Introduction and Contents

Welcome to the 2026 AGCO® Application Equipment Parts and Accessories Catalog

AGCO is continuing our mission to deliver farmer-focused solutions to sustainably feed our world. We remain committed to supporting you and your customers with a complete offering of reliable spray parts and industry-leading innovations in precision ag products.

For a digital copy of this catalog, head over to parts.agcocorp.com. You can find all we have to offer—from spray and liquid handling parts and accessories to OEM parts. We wish you a safe and productive 2026 growing season!



Application Lift System: Safely combo swap wet/dry systems themselves on your sprayer.



TeeJet Electromagnetic Flow Meter: The extra-wide flow range of 0.6-100 GPM that provides the best in versatility and reliability.



Pentair ForceField: Premium technology that protects mechanical seals against dry-run and chemical bonding issues.

Catalog Errors and Changes

Product specifications and pricing presented in this catalog are believed to be accurate at the time of publication. AGCO does, however, reserve the right to override information deemed to be in error.

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QUICK REFERENCE GUIDE

RoGator

- RG700B
- RG900B
- RG1100B
- RG1300B
- C SERIES
- RG900C
- RG1100C
- RG1300C

TerraGator

- 7300 C
- 8300 C
- 8400 C

TerraGator

- 9300C

FENDT ROGATOR

- 900 Series
- 932
- 934
- 934H
- 937
- 937H
- Tier 4 Chassis

AGCO PARTS **Genuine Starts Here.**

Genuine Parts. Genuine Service. Genuine Reliability.

Only genuine AGCO parts have the precise fit, reliability, and quality to keep your equipment operating at peak performance. From our factory-trained technicians to our industry leading parts availability, no one knows your equipment better. We don't compromise on quality or performance, and neither should you

www.AGCOpartsandservice.com

Lubricants • Filters • Electrical • Drivetrain • Brake Parts • Hydraulic System • Cooling System • Wipers • Paints • Camera Systems • Lighting • Radios Ram Mounts • Seats

To find your nearest dealer or to order, go to parts.agcocorp.com

RoGator 700B SERIES

AGCO Parts offers the industry's leading warranty with 12 months on dealer installed and over the counter parts and 6 months on labor for genuine AGCO parts installed by our AGCO dealer.

FLUIDS & LUBRICANTS CAPACITIES	
Diesel Fuel	65 gal. / 246 L
Diesel Engine Oil (A)	3 gal. / 11.5 L
Diesel Exhaust Fluid (DEF) (B)	6 gal. / 23 L
Hydraulic System (C)	54 gal. / 205 L
Cooling System (D)	6.5 gal. / 24.6 L
Wheel Drive Gear Boxes (Per Box) (E)	0.28 gal. / 1.06 L

RECOMMENDED AGCO PARTS FLUIDS & LUBRICANTS	
(A) MultiGuard Semi-Synthetic 10W-40	
2.5 gal. / 9.46 L	79035455
5 gal. / 18.9 L	79035456
55 gal. / 208 L	79035457
330 gal. / 1.249 L	79036930
(B) DEF – US	
2.5 gal. / 9.46 L	DEF2.5GALP
55 gal. / 208 L	DEF-55DRUM
275 gal./ 1.041 L	DEF275TOTE
330 gal. / 1.249 L	DEF330TOTE
(B) DEF – CANADA	
2.5 gal. / 9.46 L	DEF2.5GLPC
55 gal. / 208 Ll.	DEF55DRUMC
275 gal./ 1.041 L	DEF275TOTC
330 gal. / 1.249 L	DEF330TOTC
(C) Permatran 821XL Semi-Synthetic 10W-30	
1 qt. / 0.946 L	79037106
1 gal. / 3.78 L	79037107
2.5 gal. / 9.46 L	79037108
5 gal. / 18.9 L	79037109
30 gal. / 113.5 L	79037110
55 gal. / 208 L	79037111
330 gal. / 1.249 L	79037113
(D) AGCO Antifreeze and Coolant – US	
1 gal. / 3.78 L	79022729
55 gal. / 208 L.	79023022
(D) AGCO Antifreeze and Coolant – CANADA	
1 gal. / 3.78 L	79022730
55 gal. / 208 L	79022731
(E) Gear Lubricant / Axle Oil SAE 85W-140	
2.5 gal. / 9.46 L	79014724
55 gal. / 208 L	79022322
330 gal. / 1.249 L	79036960
Multi-Purpose Lithium II Grease	
14 oz. / 0.397 g	79014728
35 lb / 15.87 kg	79014726

FILTERS	
Fuel Filter Kit	V837091129
Fuel Water Separator Filter Element	557871D1
Release Tool Spanner Wrench For Filter	V837079717
Primary Air Filter Element	567588D1
Secondary Air Filter Element	72437627
Carbon Filter Kit	556654D1K
Cab Filter	556653D1
Fresh Air Filter Element	WR130711
Hydraulic Tank Filter Breather	AG121778
Hydraulic Pump Charge Filter	528755D1
Hydraulic Return Filter Element (2)	597302D1
Oil Filter	V836679586
Def Filter Kit	V837091530
Inline Strainer	AG524540
ELECTRICAL	
Field Start Battery – US 925CC	79018975
Field Start Battery – US 1000CC	79037038
Field Start Battery–CAN 925CC	79016110
Field Start Battery–CAN 1000CC	79037041
Starter Motor	569018D1
Alternator – Clockwise	570880D1
Alternator – Counter Clockwise	570881D1
Master Switch Key	201-2442
Ignition/Door Key	4297515M91
DRIVETRAIN	
Complete Engine	V834677818
Long Block	864677628V
Short Block	864677628X
Engine Overhaul Kit	V837091244
Turbocharger	V836773011
A/C Compressor Serpentine Belt 2014-2015	558698D1
A/C Compressor Serpentine Belt 2016	569990D1
Alternator Fan Serpentine Belt	568457D1
Fuel Injection Pump	V837074805
Fuel Injector (4)	V837079827

♻ = AGCO Reman part is available. Contact your dealer for more information.

Please note: AGCO Quick Reference Guides are for reference only. While we make every effort possible to display accurate and current information, the parts book should be consulted to verify accuracy.

BRAKE PARTS	
Gearbox Inner Brake Disc (16)	567279D1
Gearbox Outer Brake Disc (16)	567280D1
HYDRAULIC SYSTEM	
Hydraulic Pump 110CC	570002D1
Hydraulic Pump – Steering	566451D1
Hydraulic Pump – Liquid System	580126D1
Hydraulic Motor	574914D1 ♻
COOLING SYSTEM	
Air Conditioning Compressor	CH178-9570
Air Conditioning Condenser	566703D1
Radiator	566705D1
Oil Cooler	573343D1
Charge Air Cooler	566706D1
Water Pump	V836774445
Water Pump Repair Kit	V836762748
Thermostat – Water Pump	V836666334
Thermostat – Air Conditioning / Heating Auto Control	AG330219
WIPERS	
Wiper Blade	AG718290
Wiper Arm	527886D1
Wiper Motor	548782D1
PAINTS	
Challenger Yellow 2013–Present	
Aerosol	79036676
1 qt. / 0.946 L	ACP0146530
1 gal. / 3.78 L	ACP0146540
Challenger Silver Mist	
Aerosol	79028660
Tec Gray 85 2013–Present (Chassis)	
Aerosol	ACP0135180
1 qt. / 0.946 L	ACP0252110

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RoGator 700B SERIES

When applicable, accessories are listed and color coded as ★ **Good**, ★★ **Better**, and ★★★ **Best** options.

CAMERA SYSTEMS		
★	1 Camera - OverView Camera*	DMOV-RC
★	*Monitor Adaptor Cable for Above Camera	DMAC-OVC
★	*Extension Cable for Above Camera	DMOV-EC40
★★	1 Camera - AgCam Analog HD Camera System**	AG-CK1P
★★★	1 Camera - EnduraCam Camera System**	DMEC-CK1P

***Plug 'n' Play - No Adaptor Cable Required. No Extension Cable Required.*

LIGHTING		
Add on suggestions. For OE replacement lights consult your parts book.		
Grote		
T26 Near (Pendant)		GR64G11
T26 Far (Pendant)		GR64G01
Oval 2500 (Flood)		GR63J01
Oval 1200 (Flood)		GR63F81
Ag Lamp System Kit		GR01993670
See the Warning and Hazard Lights Brochure for additional product options.		
Hy-Capacity		
★	LED Flood Beam Lamp	8302240
★★	LED Spot Beam Lamp	8302241

RADIOS		
PanaPacific		
★	Panasonic: CD, MP3 – Harness PP205250 included	CQCX160U
★★	Delphi: Backup Clock, Steering Control, iPod Control, USB, WB	PP105711
★★★	Delphi: Backup Clock, Steering Control, iPod Control, USB, WB, CD, MP3, Satellite Radio, SiriusXM-Integrated, Bluetooth – Microphone and Antenna Required*	PP105715

**PP604240 - Microphone kit, adhesive tape, 7-1/2' cable OR PP603846 - Microphone Kit, instrument panel mount, 12' cable. PP802170 - Roof-mount satellite radio antenna with 12' cable OR PP802458 - Mirror-mount satellite radios antenna with 9' cable & 6' extension cable.*

RADIOS - CONTINUED		
REI**		
★	Equipped with: USB, WB, MP3 - requires harness	RE701196D6
★★	Equipped with: USB, WB, MP3, CD - requires harness	RE710439D6
★★★	Equipped with: Backup Clock, IPOD Control, USB, WB, MP3, CD, Bluetooth with integrated microphone	RE710475D6

***All radios require either a loose wire harness for a 2 speaker cab system - RE511834 OR a loose wire harness for a 4 speaker cab system - RE512202 - (May not be needed in models 2013 to current)*

RAM MOUNTS	
Tablet - Claw Mount	79037058
Tablet - Double Suction Mount	79037059
Cell Phone - XGRIP - Claw Mount	79037060
Cell Phone - XGRIP - Suction Mount	79037061
Cup Holder - Claw Mount	79037336

SEATS		
Upgrade suggestions. For OE seats consult your parts book.		
Sears		
★	Low profile AG air suspension seat – fore/aft isolator	SR40281
★★	Low profile AG air suspension seat – fore/aft & lateral isolator	SR40283
★★★	Active VRS AG air suspension seat – semi-active dampening option	SR40286

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RoGator 900B, 1100B, 1300B SERIES

AGCO Parts offers the industry's leading warranty with 12 months on dealer installed and over the counter parts and 6 months on labor for genuine AGCO parts installed by our AGCO dealer.

FLUIDS & LUBRICANTS CAPACITIES	
Diesel Fuel	65 gal. / 246 L
AGCC1X00XFXXX1001 and Later	75 gal. / 284 L
Diesel Engine Oil (A)	3 gal. / 11.5 L
AGCC1X00XFXXX1001 and Later (A)	6 gal. / 22.7 L
Diesel Exhaust Fluid (DEF) (B)	6 gal. / 22.7 L
AGCC1X00XFXXX1001 and Later (B)	15 gal. / 56.8 L
Hydraulic System (C)	54 gal. / 205 L
AGCC1X00XFXXX1001 and Later (C)	63.4 gal. / 240 L
Cooling System (D)	6.5 gal. / 24.6 L
AGCC1X00XFXXX1001 and Later (D)	6.7 gal. / 25.36 L
Wheel Drive Gear Boxes (Per Box) 85W-140 (E)	0.28 gal. / 1.06 L
AGCC1X00XFXXX1001 and Later 75W-140 (F)	0.66 gal. / 2.5 L

RECOMMENDED AGCO PARTS FLUIDS & LUBRICANTS	
(A) MultiGuard Semi-Synthetic 10W-40	
2.5 gal. / 9.46 L	79035455
5 gal. / 18.9 L	79035456
55 gal. / 208 L	79035457
330 gal. / 1.249 L	79036930
(B) DEF – US	
2.5 gal. / 9.46 L	DEF2.5GALP
55 gal. / 208 L	DEF-55DRUM
275 gal./ 1.041 L	DEF275TOTE
330 gal. / 1.249 L	DEF330TOTE
(B) DEF – CANADA	
2.5 gal. / 9.46 L	DEF2.5GLPC
55 gal. / 208 Ll.	DEF55DRUMC
275 gal./ 1.041 L	DEF275TOTC
330 gal. / 1.249 L	DEF330TOTC
(C) Permatran 821XL Semi-Synthetic 10W-30	
1 qt. / 0.946 L	79037106
1 gal. / 3.78 L	79037107
2.5 gal. / 9.46 L	79037108
5 gal. / 18.9 L	79037109
30 gal. / 113.5 L	79037110
55 gal. / 208 L	79037111
330 gal. / 1.249 L	79037113
(D) AGCO Antifreeze and Coolant – US	
1 gal. / 3.78 L	79022729
55 gal. / 208 L.	79023022
(D) AGCO Antifreeze and Coolant – CANADA	
1 gal. / 3.78 L	79022730
55 gal. / 208 L.	79022731
(E) Gear Lubricant / Axle Oil SAE 85W-140	
2.5 gal. / 9.46 L	79014724
55 gal. / 208 L	79022322
330 gal. / 1.249 L	79036960
(F) Synthetic Gear Lubricant SAE 75W-140	
1 qt. / 0.946 L	79036525
2.5 gal. / 9.46 L	79034596
Multi-Purpose Lithium II Grease	
14 oz. / 0.397 g	79014728
35 lb / 15.87 kg	79014726

FILTERS	
Fuel Filter Kit	V837091129
Fuel Water Separator Filter Element	557871D1
Primary Air Filter Element	567588D1
Secondary Air Filter Element	72437627
Carbon Filter Element	556654D1K
Cab Filter	556653D1
Particle Air Filter Element	AG718281
Hydraulic Tank Filter Breather	AG121778
Oil Filter – RG900B	V836679586
Oil Filter – RG1100B / RG1300B	V837074523
Hydraulic Pump Filter Kit – RG1300B (2)	544340D1
Hydraulic Pump Oil Filter Element – RG900B/RG1100B (2)	532370D1
Hydraulic Manifold Return Oil Filter (2)	597302D1
DEF Filter	V837091530
ELECTRICAL	
Field Start Battery – US 925CC	79018975
Field Start Battery – US 1000CC	79037038
Field Start Battery – CAN 925CC	79016110
Field Start Battery – CAN 1000CC	79037041
Starter Motor	569018D1
Alternator – Clockwise	570880D1
Alternator – Counter Clockwise	570881D1
Master Switch Key	201-2442
Ignition / Door Key	4297515M91
DRIVETRAIN	
Complete Engine – RG900B	865077815Y
Complete Engine – RG1100B / RG1300B	865277626Y
Long Block – RG900B	865077815V
Long Block – RG1100B / RG1300B	865277737V
Short Block – RG900B	865077815X
Short Block – RG1100B / RG1300B	865277737X
Engine Control Unit (ECU) Kit	V837091132
Engine Overhaul Kit – RG900B	V837091247
Engine Overhaul Kit – RG1100B / RG1300B	V837091278
Turbocharger Kit – High Pressure	V837079843
Turbocharger Kit – Low Pressure	V837079845
Alternator Fan Belt	588347D1
A/C And Water Pump Belt	564691D1
Fuel Injection Pump	V837074805
Fuel Injector (6)	V837079827
BRAKE PARTS	
Brake Rotor (2)	544669D1
Brake Caliper Piston Kit	545120D1
Brake Caliper Stator Kit – 2 Pads and Pins	544343D1
Brake Caliper Seal Kit	544344D1

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Drive Gearbox Brake Disc	572760D1
Drive Gearbox Brake Piston	544631D1
HYDRAULIC SYSTEM	
Hydraulic Pump – Front RG900B / RG1100B	531574D1 ♻
Hydraulic Pump – Rear RG900B / RG1100B	531575D1 ♻
Hydraulic Pump – Front RG1300B	568274D1 ♻
Hydraulic Pump – Rear RG1300B	568275D1 ♻
Hydraulic Motor – RG900B/RG1100B	537042D1 ♻
Hydraulic Motor – RG1300B	537043D1 ♻
Hydraulic Pump – Steering	566451D1
COOLING SYSTEM	
Air Conditioning Compressor	CH178-9570
Cooler Condenser	562382D1
Radiator	552750D1
Oil Cooler	552752D1
Charge Air Cooler	552751D1
Water Pump Kit	V837079850
Water Pump Repair Kit	V837091166
Thermostat – Water Pump -79°C Single Acting	V836015156
Thermostat - Water Pump -83°C Double Acting RG900B	V836331590
Thermostat – Water Pump -83°C Double Acting RG1100B / RG1300B	V837084949
Thermostat–Air Conditioning/ Heating Auto Control	AG330219
WIPERS	
Wiper Blade	AG718290
Wiper Arm	527886D1
Wiper Motor	526534D1
PAINTS	
Challenger Yellow 2013–Present	
Aerosol	79036676
1 qt. / 0.946 L	ACP0146530
1 gal. / 3.78 L	ACP0146540
Challenger Silver Mist	
Aerosol	79028660
Tec Gray 85 2013–Present (Chassis)	
Aerosol	ACP0135180
1 qt. / 0.946 L	ACP0252110

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RoGator 900B, 1100B, 1300B SERIES

When applicable, accessories are listed and color coded as ★ **Good**, ★★ **Better**, and ★★★ **Best** options.

CAMERA SYSTEMS		
★	1 Camera - OverView Camera*	DMOV-RC
★	*Monitor Adaptor Cable for Above Camera	DMAC-OVC
★	*Extension Cable for Above Camera	DMOV-EC40
★★	1 Camera - AgCam Analog HD Camera System**	AG-CK1P
★★★	1 Camera - EnduraCam Camera System**	DMEC-CK1P

***Plug 'n' Play - No Adaptor Cable Required. No Extension Cable Required.*

LIGHTING		
Add on suggestions. For OE replacement lights consult your parts book.		
Grote		
T26 Near (Pendant)		GR64G11
T26 Far (Pendant)		GR64G01
Oval 2500 (Flood)		GR63J01
Oval 1200 (Flood)		GR63F81
Ag Lamp System Kit		GR01993670
See the Warning and Hazard Lights Brochure for additional product options.		
Hy-Capacity		
★	LED Flood Beam Lamp	8302240
★★	LED Spot Beam Lamp	8302241

RADIOS		
PanaPacific		
★	Panasonic: CD, MP3 – Harness PP205250 included	CQCX160U
★★	Delphi: Backup Clock, Steering Control, iPod Control, USB, WB	PP105711
★★★	Delphi: Backup Clock, Steering Control, iPod Control, USB, WB, CD, MP3, Satellite Radio, SiriusXM-Integrated, Bluetooth – Microphone and Antenna Required*	PP105715

**PP604240 - Microphone kit, adhesive tape, 7-1/2' cable OR PP603846 - Microphone Kit, instrument panel mount, 12' cable. PP802170 - Roof-mount satellite radio antenna with 12' cable OR PP802458 - Mirror-mount satellite radios antenna with 9' cable & 6' extension cable.*

RADIOS - CONTINUED		
REI**		
★	Equipped with: USB, WB, MP3 - requires harness	RE701196D6
★★	Equipped with: USB, WB, MP3, CD - requires harness	RE710439D6
★★★	Equipped with: Backup Clock, IPOD Control, USB, WB, MP3, CD, Bluetooth with integrated microphone	RE710475D6

***All radios require either a loose wire harness for a 2 speaker cab system - RE511834 OR a loose wire harness for a 4 speaker cab system - RE512202 - (May not be needed in models 2013 to current)*

RAM MOUNTS	
Tablet - Claw Mount	79037058
Tablet - Double Suction Mount	79037059
Cell Phone - XGRIP - Claw Mount	79037060
Cell Phone - XGRIP - Suction Mount	79037061
Cup Holder - Claw Mount	79037336

SEATS		
Upgrade suggestions. For OE seats consult your parts book.		
Sears		
★	Low profile AG air suspension seat – fore/aft isolator	SR40281
★★	Low profile AG air suspension seat – fore/aft & lateral isolator	SR40283
★★★	Active VRS AG air suspension seat – semi-active dampening option	SR40286

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C SERIES

RG900C, RG1100C, RG1300C

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FLUIDS & LUBRICANTS CAPACITIES	
Diesel Fuel	75 gal. / 284 L
Diesel Engine Oil (A)	6 gal. / 22.7 L
Diesel Exhaust Fluid (DEF) (B)	15 gal. / 56.8 L
Hydraulic System (C)	36 gal. / 136 L
Cooling System (D)	6.7 gal. / 25.36 L
Wheel Drive Gear Boxes (Per Box) (E)	2.65 qt. / 2.5 L
RECOMMENDED AGCO PARTS FLUIDS & LUBRICANTS	
(A) MultiGuard Semi-Synthetic 10W-40	
2.5 gal. / 9.46 L	79035455
5 gal. / 18.9 L	79035456
55 gal. / 208 L	79035457
330 gal. / 1.249 L	79036930
(B) DEF – US	
2.5 gal. / 9.46 L	DEF2.5GALP
55 gal. / 208 L	DEF-55DRUM
275 gal./ 1.041 L	DEF275TOTE
330 gal. / 1.249 L	DEF330TOTE
(B) DEF – CANADA	
2.5 gal. / 9.46 L	DEF2.5GLPC
55 gal. / 208 Ll.	DEF55DRUMC
275 gal./ 1.041 L	DEF275TOTC
330 gal. / 1.249 L	DEF330TOTC
(C) Permatran 821XL Semi-Synthetic	
1 qt. / 0.946 L	79037106
1 gal. / 3.78 L	79037107
2.5 gal. / 9.46 L	79037108
5 gal. / 18.9 L	79037109
30 gal. / 113.5 L	79037110
55 gal. / 208 L	79037111
330 gal. / 1.249 L	79037113
(D) AGCO Antifreeze and Coolant – US	
1 gal. / 3.78 L	79022729
55 gal. / 208 L.	79023022
(D) AGCO Antifreeze and Coolant – CANADA	
1 gal. / 3.78 L	79022730
55 gal. / 208 L.	79022731
(E) Synthetic Gear Lubricant SAE 75W-140	
1 qt. / 0.946 L	79036525
2.5 gal. / 9.46 L	79034596
Multi-Purpose Lithium II Grease	
14 oz. / 0.397 g	79014728
35 lb / 15.87 kg	79014726
FILTERS	
Fuel Filter Kit	V837091129
Fuel Water Seperator Filter Element	557871D1
Primary Air Filter Element	567588D1
Secondary Air Filter Element	72437627
Carbon Filter Element	556654D1K
Cab Filter	556653D1
Particle Air Filter Element	AG718281
Hydraulic Tank Filter Breather	AG121778
Hydraulic Pump Oil Filter	AG133231
Hydraulic Manifold Return Oil Filter Element (2)	563588D1
Oil Filter - RG900C	V836679586
Oil Filter - RG1100C/RG1300C	V837074523
DEF Filter	V837091530
ELECTRICAL	
Field Start Battery – US 925CC	79018975
Field Start Battery – US 1000CC	79037038
Field Start Battery – CAN 925CC	79016110
Field Start Battery – CAN 1000CC	79037041
Starter Motor	569018D1
Alternator – Clockwise	570880D1
Alternator – Counter Clockwise	570881D1
Ignition/Door Key	71468224
DRIVETRAIN	
Complete Engine – RG900C	V835077815
Complete Engine – RG1100C/RG1300C	865277817Y
Long Block – RG900C	865077815V
Long Block – RG1100C/RG1300C	865277817V
Short Block – RG900C	865077815X
Short Block – RG1100C/RG1300C	865277817X
Engine Overhaul Kit – RG900C	V837091247
Engine Overhaul Kit – RG1100C/RG1300C	V837091278
Turbocharger Kit	V837079854
Alternator Fan Belt	588347D1
A/C and Water Pump Belt	564691D1
Fuel Injection Pump	V837074805
Fuel Injector (6)	V837079827
BRAKE PARTS	
Brake Rotor	544669D1
Brake Caliper Piston Kit	545120D1
Brake Caliper Stator Kit – 2 Pads and Pins	544343D1
Brake Caliper Seal Kit	544344D1
Drive Gearbox Brake Disc	572760D1
Drive Gearbox Brake Piston	544631D1
HYDRAULIC SYSTEM	
Hydraulic Pump – Steering	596491D1
Hydraulic Pump – Steering Cold Start	603595D1
Hydraulic Pump – Main Drive	586969D2
Hydraulic Motor – 80 CCM (4)	586970D1
Hydraulic Motor – 110 CCM (4)	586971D1
COOLING SYSTEM	
Air Conditioning Compressor	CH178-9570
Cooler Condensor	599369D1
Radiator	552750D1
Oil Cooler	599368D1
Charge Air Cooler	552751D1
Water Pump Kit	V837079850
Water Pump Repair Kit	V837091166
Thermostat – Water Pump -79°C Single Acting	V836015156
Thermostat – Water Pump -83°C Double Acting RG900C	V836331590
Thermostat – Water Pump -83°C Double Acting RG1100C/RG1300C	V837084949
Thermostat – Air Conditioning/ Heating Auto Control	AG330219
WIPERS	
Wiper Blade	AG718290
Wiper Arm	527886D1
Wiper Motor	526534D1
PAINTS	
Challenger Yellow 2013 – Present	
Aerosol	79036676
1 qt. / 0.946 L	ACP0146530
1 gal. / 3.78 L	ACP0146540
Challenger Silver Mist	
Aerosol	79028660
Tec Gray 85 2013–Present (Chassis)	
Aerosol	ACP0135180
1 qt. / 0.946 L	ACP0252110

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C SERIES
RG900C, RG1100C, RG1300C

When applicable, accessories are listed and color coded as ★ **Good**, ★★ **Better**, and ★★★ **Best** options.

CAMERA SYSTEMS		
★	1 Camera - OverView Camera*	DMOV-RC
★	*Monitor Adaptor Cable for Above Camera	DMAC-OVC
★	*Extension Cable for Above Camera	DMOV-EC40
★★	1 Camera - AgCam Analog HD Camera System**	AG-CK1P
★★★	1 Camera - EnduraCam Camera System**	DMEC-CK1P

***Plug 'n' Play - No Adaptor Cable Required. No Extension Cable Required.*

LIGHTING		
Add on suggestions. For OE replacement lights consult your parts book.		
Grote		
T26 Near (Pendant)		GR64G11
T26 Far (Pendant)		GR64G01
Oval 2500 (Flood)		GR63J01
Oval 1200 (Flood)		GR63F81
Ag Lamp System Kit		GR01993670
See the Warning and Hazard Lights Brochure for additional product options.		
Hy-Capacity		
★	LED Flood Beam Lamp	8302240
★★	LED Spot Beam Lamp	8302241

RADIOS		
PanaPacific		
★	Panasonic: CD, MP3 – Harness PP205250 included	CQCX160U
★★	Delphi: Backup Clock, Steering Control, iPod Control, USB, WB	PP105711
★★★	Delphi: Backup Clock, Steering Control, iPod Control, USB, WB, CD, MP3, Satellite Radio, SiriusXM-Integrated, Bluetooth – Microphone and Antenna Required*	PP105715

**PP604240 - Microphone kit, adhesive tape, 7-1/2' cable OR PP603846 - Microphone Kit, instrument panel mount, 12' cable. PP802170 - Roof-mount satellite radio antenna with 12' cable OR PP802458 - Mirror-mount satellite radios antenna with 9' cable & 6' extension cable.*

RADIOS - CONTINUED		
REI**		
★	Equipped with: USB, WB, MP3 - requires harness	RE701196D6
★★	Equipped with: USB, WB, MP3, CD - requires harness	RE710439D6
★★★	Equipped with: Backup Clock, IPOD Control, USB, WB, MP3, CD, Bluetooth with integrated microphone	RE710475D6

***All radios require either a loose wire harness for a 2 speaker cab system - RE511834 OR a loose wire harness for a 4 speaker cab system - RE512202 - (May not be needed in models 2013 to current)*

RAM MOUNTS	
Tablet - Claw Mount	79037058
Tablet - Double Suction Mount	79037059
Cell Phone - XGRIP - Claw Mount	79037060
Cell Phone - XGRIP - Suction Mount	79037061
Cup Holder - Claw Mount	79037336

SEATS		
Upgrade suggestions. For OE seats consult your parts book.		
Sears		
★	Low profile AG air suspension seat – fore/aft isolator	SR40281
★★	Low profile AG air suspension seat – fore/aft & lateral isolator	SR40283
★★★	Active VRS AG air suspension seat – semi-active dampening option	SR40286

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TerraGator® 7300C • 8300C

AGCO Parts offers the industry's leading warranty with 12 months on dealer installed and over the counter parts and 6 months on labor for genuine AGCO parts installed by our AGCO dealer.

FLUIDS & LUBRICANTS CAPACITIES	
Rear Axle (A)	6.5 gal/24.6 l
Hydraulic System (B)	13.4 gal/50.72 l
Transmission (B)	15 gal/57 l
Engine Oil (C)	6 gal/23 l
Pressure Washer Pump	11.97 fl oz/354 ml
RECOMMENDED AGCO PARTS FLUIDS & LUBRICANTS	
(A) SAE 80W-90 Gear Lubricant	
2.5 gal/9.46 l Jug	79014722B
55 gal/208 l Drum	79014723
330 gal/1,249 l Tote	79036959
(B) Permatran 821XL	
1 qt/0.946 l Bottle	79037106
1 gal/3.78 Jug	79037107
2.5 gal/9.46 l Jug	79037108
5 gal/208 l Pail	79037109
(B) Permatran 821XL Plus Extended Life	
2.5 gal/9.46 l Jug	79035449
5 gal/208 l Pail	79036407
55 gal/208 l Drum	79035450
(C) MultiGuard Semi-Synthetic SAE 10W-40	
2.5 gal/9.46 l Jug	79035455
5 gal/208 l Pail	79035456
(C) MultiGuard SAE 10W-30	
2.5 gal/9.46 l Jug	79035577
5 gal/208 l Pail	79035578
55 gal/208 l Drum	79035579
330 gal/1,249 l Tote	79037124
(C) MultiGuard SAE 15W-40	
2.5 gal/9.46 l Jug	79034597
5 gal/208 l Pail	79035353
Multi-Purpose Lithium II Grease	
14 oz/0.397 g Tube	79014728
35 lb/15.87 kg Pail	79014726
HI-Temp EP-2 Grease	
14 oz/0.397 g Tube	79014733
MOLY EP Grease	
14 oz/0.397 g Tube	79017915

FILTERS	
Fuel Filter Kit	V837091436
Engine Oil Filter	V837074523
Hydraulic Filter Assembly	ACW9211870
Hydraulic Filter – Implement	587603D1
Hydraulic Filter – Case Drain	587604D1
Hydraulic Filter – Fan Drive	V837091530
Hydraulic Breather – Fan Drive	V837079423
Hydraulic Charge Filter	V837073734
Hydraulic Steering Filter	587603D1
DEF Filter Kit	AG718281
CCV Filter	556654D1K
Filter Element	556653D1
Air Filter Element	AG718281
Cab Filter	556653D1
Cab Air Filter – Recirculation	71468247
ELECTRICAL	
FieldStart Battery – US	79018975
FieldStart Battery – CAN	79016110
Starter Motor	569018D1
Alternator	570880D1
Ignition Key	71468224
DRIVETRAIN	
Complete Engine	V835277816
Long Block	865291505V
Short Block	865291621X
Engine ECU	V837074863
Turbocharger – High Pressure Installation kit	ACP0396700
Turbocharger – Low Pressure Installation Kit	V837091237
Engine Belt – Alternator	V685122255
Engine Belt – A/C Compressor	ACW4074860
Air Compressor	V836867138
Fuel Injector (CRIN3-20)	V837079827
Fuel Injection Pump (High Pressure)	V837074805
Oil Pump	V836874208
Fuel Injection Pump (High Pressure)	V837074805 ♻
Oil Pump	V836874208
BRAKE PARTS	
Brake Service Kit	AG334925
Right Hand	534377D1
Left Hand	534378D1
HYDRAULIC SYSTEM	
Hydraulic Gear Pump	586183D1
Fan Drive	V836874997
Steering Pump – 62CC	586057D1
COOLING SYSTEM	
Radiator	568576D1
Oil Cooler	V837084028
Oil Cooler – Combo	539035D1
Water Pump Kit	V837079850
Thermostat	ACW2170510
Double Acting	V837084949
WIPERS	
Wiper Blade	AG718290
Wiper Arm	527886D1
Wiper Motor	503898D1
Wiper Motor Assembly	526534D1
PAINTS	
Challenger Yellow 2013 - present	
Aerosol	79023278
Low VOC - Quart	79023277
Challenger Silver Mist (Wheels)	
Aerosol	79037241
Tec Gray 85 (Chassis)	
Aerosol	ACP0135180
Low VOC - Quart	ACP0252110

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TerraGator® 7300C • 8300C

When applicable, accessories are listed and color coded as ★ **Good**, ★★ **Better**, and ★★★ **Best** options.

CAMERA SYSTEMS		
★	1 Camera - OverView Camera*	DMOV-RC
★	*Monitor Adaptor Cable for Above Camera	DMAC-OVC
★	*Extension Cable for Above Camera	DMOV-EC40
★★	1 Camera - AgCam Analog HD Camera System**	AG-CK1P
★★★	1 Camera - EnduraCam Camera System**	DMEC-CK1P

****Plug 'n' Play - No Adaptor Cable Required. No Extension Cable Required.**

LIGHTING	
Add on suggestions. For OE replacement lights consult your parts book.	
Grote – FOR CAB OPTION	
T26 Near (Pendant)	GR64G11
T26 Far (Pendant)	GR64G01
Oval 2500 (Flood)	GR63J01
Oval 1200 (Flood)	GR63F81
Ag Lamp System Kit	GR01993670

See the Warning and Hazard Lights Brochure for additional product options.

Hy-Capacity – FOR CAB OPTION		
★	LED Flood Beam Lamp	8302240
★★	LED Spot Beam Lamp	8302241

RADIOS		
PanaPacific		
★	Panasonic: CD, MP3 – Harness PP205250 included	CQCX160U
★★	Delphi: Backup Clock, Steering Control, iPod Control, USB, WB	PP105711
★★★	Delphi: Backup Clock, Steering Control, iPod Control, USB, WB, CD, MP3, Satellite Radio, SiriusXM-Integrated, Bluetooth – Microphone and Antenna Required*	PP105715

***PP604240 - Microphone kit, adhesive tape, 7-1/2' cable OR PP603846 - Microphone Kit, instrument panel mount, 12' cable. PP802170 - Roof-mount satellite radio antenna with 12' cable OR PP802458 - Mirror-mount satellite radios antenna with 9' cable & 6' extension cable.**

REI**		
★	Equipped with: USB, WB, MP3 – requires harness	RE701196D6
★★	Equipped with: USB, WB, MP3, CD – requires harness	RE710439D6
★★★	Equipped with: Backup Clock, IPOD Control, USB, WB, MP3, CD Bluetooth with integrated microphone	RE710475D6

****All radios require either a loose wire harness for a 2 speaker cab system - RE511834 OR a loose wire harness for a 4 speaker cab system - RE512202 - (May not be needed in models 2013 to current)**

RAM MOUNTS	
Tablet - Claw Mount	79037058
Tablet - Double Suction Mount	79037059
Cell Phone – XGRIP – Claw Mount	79037060
Cell Phone – XGRIP -– Suction Mount	79037061
Cup Holder - Claw Mount	79037336

SEATS		
Upgrade suggestions. For OE seats consult your parts book.		
Sears		
★	Low profile AG air suspension seat – fore/aft isolator	SR40281
★★	Low profile AG air suspension seat – fore/aft & lateral isolator	SR40283
★★★	Active VRS AG air suspension seat – semi-active dampening option	SR40286

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TerraGator® 8400C

AGCO Parts offers the industry's leading warranty with 12 months on dealer installed and over the counter parts and 6 months on labor for genuine AGCO parts installed by our AGCO dealer.

FLUIDS & LUBRICANTS CAPACITIES	
Rear Axle (A)	6.5 gal/24.6 l
Hydraulic System (B)	13.47 gal/51 l
Transmission (B)	15 gal/57 l
Engine Oil (C)	5.99 gal/22.7 l
Pressure Washer Pump (D)	11.97 fl oz/354 ml
RECOMMENDED AGCO PARTS FLUIDS & LUBRICANTS	
(A) SAE 80W-90 Gear Lubricant	
2.5 gal / 9.46 l Jug	79014722
55 gal/208 l Tote	79014723
330 gal/1.249 l Tote	79036959
(B) Permatran 821XL	
1 qt/0.946 l Bottle	79037114
1 gal/3.78 l Jug	79037115
2.5 gal / 9.46 l Jug	79037116
5 gal / 208 l Pail	79037117
(B) Permatran 821XL Plus Extended Life	
2.5 gal / 9.46 l Jug	79035449
5 gal / 208 l Pail	79036407
55 gal / 208 l Drum	79035450
(C) MultiGuard SAE 10W-40	
2.5 gal / 9.46 l Jug	79036580
5 gal / 208 l Pail	79036581
(C) MultiGuard SAE 10W-30	
2.5 gal/9.46 l Jug	79035577
5 gal/208 l Pail	79035578
55 gal/208 l Drum	79035579
330 gal/1,249 l Tote	79037124
(C) MultiGuard SAE 15W-40	
2.5 gal/9.46 l Jug	79035577
5 gal/208 l Pail	79035578
Multi-Purpose Lithium II Grease	
14 oz / 0.397 g Tube	79014728
35 lb / 15.87 kg Pail	79014726
HI-Temp EP-2 Grease	
14 oz / 0.397 g Tube	79014733
MOLY EP Grease	
14 oz / 0.397 g Tube	79017915

FILTERS	
Fuel Filter Kit	V837091129
Engine Oil Filter	V837074523
Hydraulic Filter Assembly	ACW9211870
Hydraulic Filter – Fan Drive	2329787
Hydraulic Breather – Fan Drive	587604D1
DEF Filter Kit	V837091530
DEF Filter	V837079423
CCV Filter	V837073734
Filter Element	587603D1
Air Filter Element	AG718281
Cab Filter Primary	556654D1K
Cab Air Filter – Recirculation	556653D1
ELECTRICAL	
FieldStart Battery – US	79018975
FieldStart Battery – CAN	79016110
Starter Motor	569018D1
Alternator	570880D1
Ignition Key	71468224
DRIVETRAIN	
Complete Engine	V835277816
Long Block	865291505V
Short Block	865291621X
Engine ECU	V837074863
Turbocharger – High Pressure Installation kit	V837091235
Turbocharger – Low Pressure Installation Kit	V837091237
Engine Belt – A/C Compressor	ACW4074860
Air Compressor	V836867138
Fuel Injector (CRIN3-20)	V837079827 ♻
Fuel Injection Pump (High Pressure)	V837074805 ♻
Oil Pump	V836874208
BRAKE PARTS	
Brake Service Kit	AG334925
Right Hand	534377D1
Left Hand	534378D1
HYDRAULIC SYSTEM	
Fan Drive	V836874997
Steering Pump –62CC	586057D1
COOLING SYSTEM	
Radiator	568576D1
Oil Cooler	V837084028
Oil Cooler – Combo	539035D1
Water Pump Kit	V837079850
Thermostat	ACW2170510
Double Acting	V837084949
WIPERS	
Wiper Blade	AG718290
Wiper Arm	527886D1
Wiper Motor	503898D1
PAINTS	
Challenger Yellow 2013 - present	
Aerosol	79023278
Low VOC - Quart	79023277
Challenger Silver Mist (Wheels)	
Aerosol	79037241
Tec Gray 85 (Chassis)	
Aerosol	ACP0135180
Low VOC - Quart	ACP0252110

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TerraGator® 8400C

When applicable, accessories are listed and color coded as ★ **Good**, ★★ **Better**, and ★★★ **Best** options.

CAMERA SYSTEMS		
★	1 Camera - OverView Camera*	DMOV-RC
★	*Monitor Adaptor Cable for Above Camera	DMAC-OVC
★	*Extension Cable for Above Camera	DMOV-EC40
★★	1 Camera - AgCam Analog HD Camera System**	AG-CK1P
★★★	1 Camera - EnduraCam Camera System**	DMEC-CK1P

***Plug 'n' Play - No Adaptor Cable Required. No Extension Cable Required.*

LIGHTING	
Add on suggestions. For OE replacement lights consult your parts book.	
Grote – FOR CAB OPTION	
T26 Near (Pendant)	GR64G11
T26 Far (Pendant)	GR64G01
Oval 2500 (Flood)	GR63J01
Oval 1200 (Flood)	GR63F81
Ag Lamp System Kit	GR01993670
See the Warning and Hazard Lights Brochure for additional product options.	

Hy-Capacity – FOR CAB OPTION		
★	LED Flood Beam Lamp	8302240
★★	LED Spot Beam Lamp	8302241

RADIOS		
PanaPacific		
★	Panasonic: CD, MP3 – Harness PP205250 included	CQCX160U
★★	Delphi: Backup Clock, Steering Control, iPod Control, USB, WB	PP105711
★★★	Delphi: Backup Clock, Steering Control, iPod Control, USB, WB, CD, MP3, Satellite Radio, SiriusXM-Integrated, Bluetooth – Microphone and Antenna Required*	PP105715

**PP604240 - Microphone kit, adhesive tape, 7-1/2' cable OR PP603846 - Microphone Kit, instrument panel mount, 12' cable. PP802170 - Roof-mount satellite radio antenna with 12' cable OR PP802458 - Mirror-mount satellite radios antenna with 9' cable & 6' extension cable.*

REI**		
★	Equipped with: USB, WB, MP3 – requires harness	RE701196D6
★★	Equipped with: USB, WB, MP3, CD – requires harness	RE710439D6
★★★	Equipped with: Backup Clock, IPOD Control, USB, WB, MP3, CD Bluetooth with integrated microphone	RE710475D6

***All radios require either a loose wire harness for a 2 speaker cab system - RE511834 OR a loose wire harness for a 4 speaker cab system - RE512202 - (May not be needed in models 2013 to current)*

RAM MOUNTS	
Tablet – Claw Mount	79037058
Tablet – Double Suction Mount	79037059
Cell Phone – XGRIP – Claw Mount	79037060
Cell Phone – XGRIP – Suction Mount	79037061
Cup Holder – Claw Mount	79037336

SEATS		
Upgrade suggestions. For OE seats consult your parts book.		
Sears		
★	Low profile AG air suspension seat – fore/aft isolator	SR40281
★★	Low profile AG air suspension seat – fore/aft & lateral isolator	SR40283
★★★	Active VRS AG air suspension seat – semi-active dampening option	SR40286

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TerraGator® 9300C

AGCO Parts offers the industry's leading warranty with 12 months on dealer installed and over the counter parts and 6 months on labor for genuine AGCO parts installed by our AGCO dealer.

FLUIDS & LUBRICANTS CAPACITIES	
Rear Axle (A)	1.2 gal / 4.7 l
Hydraulic System (B)	14 gal / 53 l
Transmission (B)	15 gal / 57 l
Engine Oil (C)	8.4 gal / 32 l
Pressure Washer Pump	11.97 fl oz / 354 ml
RECOMMENDED AGCO PARTS FLUIDS & LUBRICANTS	
(A) SAE 80W-90 Gear Lubricant/Axle Oil	
2.5 gal / 9.46 l Jug	79014722
55 gal / 208 l Tote	79014723
330 gal / 1.249 l Tote	79036959
(B) Permatran 821XL	
1 qt / 0.946 l Bottle	79037106
1 gal / 3.78 l Jug	79037107
2.5 gal / 9.46 l Jug	79037108
5 gal / 18.9 l Pail	79037109
(B) Permatran 821XL Plus Extended Life	
2.5 gal / 9.46 l Jug	79035449
5 gal / 18.9 l Pail	79036407
55 gal / 208 l Drum	79035450
(C) MultiGuard Semi-Synthetic SAE 10W-40	
2.5 gal / 9.46 l Jug	79035455
5 gal / 18.9 l Pail	79035456
(C) MultiGuard SAE 10W-30	
2.5 gal / 9.46 l Jug	79035577
5 gal / 18.9 l Pail	79035578
55 gal / 208 l Drum	79035579
330 gal / 1,249 l Tote	79037124
(E) MultiGuard SAE 15W-40	
2.5 gal / 9.46 l Jug	79034597
5 gal / 18.9 l Pail	79035353
Multi-Purpose Lithium II Grease	
14 oz / 0.397 g Tube	79014728
35 lb / 15.87 kg Pail	79014726
HI-Temp EP-2 Grease	
14 oz / 0.397 g Tube	79014733
MOLY EP Grease	
14 oz / 0.397 g Tube	79017915

FILTERS	
Fuel Filter Kit	V837091129
Engine Oil Filter	V837074523
Hydraulic Filter Assembly	ACW9211870
Hydraulic Filter – Fan Drive	V836884185
Hydraulic Breather – Fan Drive	587604D1
DEF Filter Kit	V837091530
DEF Filter	V837079423
CCV Filter V837073734	V837073734
Filter Element	587603D1
Air Filter Element	568310D1
Cab Filter Primary	556653D1
ELECTRICAL	
Field Start Battery – CCA 925	
US	79018975
CAN	79016110
Field Start Battery – CCA 1000	
US	79037038
CAN	79037041
Starter Motor	569018D1
Alternator	570880D1
Ignition Key	71468224
DRIVETRAIN	
Complete Engine	V835477814
Long Block	865491667V
Short Block	865491613X
Engine ECU	V837074863
Turbocharger – High Pressure Installation kit	V837091236
Turbocharger – Low Pressure Installation Kit	V837091238
A/C Compressor belt	604687D1
Air Compressor	V836867138
Fuel Injector (CRIN3-20)	V837079827 ♻
Fuel Injection Pump (High Pressure)	V837074805 ♻
Oil Pump	V836874208

BRAKE PARTS	
Brake Service Kit	ACP0376110
Right Hand	ACP0376060
Left Hand	ACP0376070
HYDRAULIC SYSTEM	
Fan Drive	V836874997
Steering Pump –62CC	586057D1
COOLING SYSTEM	
Radiator	560292D1
Oil Cooler	V837084028
Oil Cooler – Combo	539035D1
Water Pump Kit	V837079850
Thermostat	ACW2170510
Double Acting	V837084949
WIPERS	
Wiper Blade	AG718290
Wiper Arm	527886D1
Wiper Motor	503899D1
PAINTS	
Challenger Yellow 2013 - present	
Aerosol	79036676
Challenger Yellow 2013 - present - Low VOC	
1 qt.	ACP0146530
Tec Gray 85 (Chassis)	
Aerosol	ACP0135180
1 qt.	ACP0252110
Challenger Silver Mist (Wheels)	
Aerosol	79037241

♻ = AGCO Reman part is available. Contact your dealer for more information.

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TerraGator® 9300C

When applicable, accessories are listed and color coded as ★ **Good**, ★★ **Better**, and ★★★ **Best** options.

CAMERA SYSTEMS		
★	1 Camera - OverView Camera*	DMOV-RC
★	*Monitor Adaptor Cable for Above Camera	DMAC-OVC
★	*Extension Cable for Above Camera	DMOV-EC40
★★	1 Camera - AgCam Analog HD Camera System**	AG-CK1P
★★★	1 Camera - EnduraCam Camera System**	DMEC-CK1P

***Plug 'n' Play - No Adaptor Cable Required. No Extension Cable Required.*

LIGHTING		
Add on suggestions. For OE replacement lights consult your parts book.		
Grote – FOR CAB OPTION		
T26 Near (Pendant)		GR64G11
T26 Far (Pendant)		GR64G01
Oval 2500 (Flood)		GR63J01
Oval 1200 (Flood)		GR63F81
Ag Lamp System Kit		GR01993670
See the Warning and Hazard Lights Brochure for additional product options.		
Hy-Capacity – FOR CAB OPTION		
★	LED Flood Beam Lamp	8302240
★★	LED Spot Beam Lamp	8302241

RADIOS		
PanaPacific		
★	Panasonic: CD, MP3 – Harness PP205250 included	CQCX160U
★★	Delphi: Backup Clock, Steering Control, iPod Control, USB, WB	PP105711
★★★	Delphi: Backup Clock, Steering Control, iPod Control, USB, WB, CD, MP3, Satellite Radio, SiriusXM-Integrated, Bluetooth – Microphone and Antenna Required*	PP105715
**PP604240 - Microphone kit, adhesive tape, 7-1/2' cable OR PP603846 - Microphone Kit, instrument panel mount, 12' cable. PP802170 - Roof-mount satellite radio antenna with 12' cable OR PP802458 - Mirror-mount satellite radios antenna with 9' cable & 6' extension cable.*		
REI**		
★	Equipped with: USB, WB, MP3 – requires harness	RE701196D6
★★	Equipped with: USB, WB, MP3, CD – requires harness	RE710439D6
★★★	Equipped with: Backup Clock, IPOD Control, USB, WB, MP3, CD Bluetooth with integrated microphone	RE710475D6
***All radios require either a loose wire harness for a 2 speaker cab system - RE511834 OR a loose wire harness for a 4 speaker cab system - RE512202 - (May not be needed in models 2013 to current)*		

RAM MOUNTS	
Tablet - Claw Mount	79037058
Tablet - Double Suction Mount	79037059
Cell Phone – XGRIP – Claw Mount	79037060
Cell Phone – XGRIP -– Suction Mount	79037061
Cup Holder - Claw Mount	79037336

SEATS		
Upgrade suggestions. For OE seats consult your parts book.		
Sears		
★	Low profile AG air suspension seat – fore/aft isolator	SR40281
★★	Low profile AG air suspension seat – fore/aft & lateral isolator	SR40283
★★★	Active VRS AG air suspension seat – semi-active dampening option	SR40286

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FENDT ROGATOR

900 SERIES

932, 934, 934H, 937, 937H, Tier 4 Chassis

AGCO Parts offers the industry's leading warranty with 12 months on dealer installed and over the counter parts and 6 months on labor for genuine AGCO parts installed by our AGCO dealer.

FLUIDS & LUBRICANTS CAPACITIES*	
Please refer to Operator Manual for alternate operating.	
Rear Axle **(A)**	2.65 Quart (2.5 L)
Hydraulic System Reservoir **(B)**	36 Gal (136 L)
Engine **(C)**	6 Gal (22. L)
Engine Coolant **(D)**	6.7 Gal (25.3 L)
DEF	17.5 Gal (66.2 L)
Diesel Fuel (2 Fuel Tanks - Left Side/Right Side)	75 Gal each Side, 150 Gal Total (284 L each Side, 568 L Total)

RECOMMENDED FLUIDS & LUBRICANTS*	
(A) SAE 75W-140 Synthetic Gear Lubricant	
1 Quart (0.946 L) Bottle	79036525
2.5 Gallon (9.46 L) Jug	79034596
(B) Permatran 821XL Semi-Synthetic Transmission & Hydraulic Oil	
1 Quart (0.946 L) Bottle	79037106
1 Gallon (3.78 L) Jug	79037107
2.5 Gallon (9.46 L) Jug	79037108
5 Gallon (18.93 L) Pail	79037109
55 Gallon (208 L) Drum	79037111
330 Gallon (1 249 L) Tote	79037113
(C) MultiGuard Semi-Synthetic 10W-40 API CK-4 Diesel Engine Oil	
2.5 Gallon (9.46 L) Jug	79035455
5 Gallon (18.93 L) Pail	79035456
55 Gallon (208 L) Drum	79035457
330 Gallon (1,249 L) Tote	79036930
(D) Coolant - Extended Life Silicate & Nitrite Free	
1 Gallon (3.78 L) Jug (US)	ACP0313850
1 Gallon (3.78 L) Jug (CANADA)	ACP0313860
Multi-Purpose Lithium II Grease	
14 Ounces (414 ml)	79014728

**Recommendations may vary based on operating temperature ranges. Consult your owner's manual.*

FILTERS	
Primary Air Filter	ACP0347230
Safety Air Filter	ACP0347240
DEF Filter	ACP0594170
Fuel Prefilter Element	V837086374
Fuel Prefilter	V837086172
Main Fuel Filter	V837086099
Engine Oil Filter	V837074523
Air Filter	ACX2191600
Recirculating Air Filter	72617151
Cab Air Filter	72442541
Hydraulic Filter Element	587595D1
Hydraulic Filter	ACP0347170
ELECTRICAL	
FieldStart Battery (US)	79018975
FieldStart Battery (CANADA)	79016110
Starter Motor	ACX2313020
Alternator	ACX3499540
Ignition Key	72607610
DRIVETRAIN	
Complete Engine	ACX3296940
Long Block	865299297V
Short Block	865299138X
Engine ECU Bracket	V837084081
Turbocharger	ACP0707090
Engine Gasket Kit	ACP0707040
Engine Overhaul Kit	ACP0707060
Air Compressor	V836867138
Fuel Injector	ACP0699700
Fuel Injection Pump (High Pressure)	V837074805
Oil Pump	ACW1823780

BRAKE PARTS	
Brake Valve	ACX2696540
Seal Kit (Includes Seals & O-Rings)	544344D1
Piston Kit (Includes 2 Pistons)	545120D1
Stator Kit (Includes 2 Pads and Pins)	544343D1
COOLING SYSTEM	
Radiator	ACP0662010
Oil Cooler	V837084028
Water Pump Kit	ACP043352C
Thermostat - 80C D54	ACW2170510
Thermostat - 83C D67	ACW2170430
Oil Pressure Control Valve	ACP0701390
WIPERS	
Wiper Blade	72659325
Wiper Arm	72615410
Wiper Motor	72615409
PAINTS	
Fendt Nature Green (Sheet Metal)	
Aerosol	79037191
Quart	79037192
Fendt Terra Red (Wheels)	
Aerosol	79017752
Quart	79028814
Fendt Tec Gray 85 (Chassis)	
Aerosol	ACP0135180
Quart	ACP0252110



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FENDT ROGATOR

900 SERIES

932, 934, 934H, 937, 937H, Tier 4 Chassis

When applicable, accessories are listed and color coded as ★ **Good**, ★★ **Better**, and ★★★ **Best** options.

CAMERA SYSTEMS		
★	1 Camera - OverView Camera System	DMOV-7M-C1
★	2 Camera - OverView Camera System	DMOV-7M-C2
★	Quad Split - OverView 2 Camera System	DMOV-7MQC2
★★	1 Camera - AgCam Analog HD Camera System - 7" Monitor	AG-H7C1P
★★	1 Camera - AgCam Analog HD Camera System - 9" Monitor	AG-H9C1P
★★	Quad Split - AgCam Analog HD 2 Camera System	AG-H9QC2P
★★★	1 Camera - EnduraCam Camera System - 7" Monitor	DMEC-H7C1
★★★	1 Camera - EnduraCam Camera System - 9" Monitor	DMEC-H9C1
★★★	Quad Split - EnduraCam Camera System	DMEC-H9QC2

LIGHTING*	
Grote	
T26 Near (Pendant)	GR64G11
T26 Far (Pendant)	GR64G01
Oval 2500 (Flood)	GR63J01
Oval 1200 (Flood)	GR63F81
Ag Lamp System kit	GR01993670
Hy-Capacity	
Black Matte LED Rechargeable Handheld Shop Light, with Heavy Duty Magnetic Base	8302061

**Add on suggestions. For OE replacement lights consult your parts book.*

RADIOS*	
REI – for Cab Option: Short Depth Radio	
Equipped with: Front Aux, WB, AM/FM - 2 speaker cab	RE701189D6
Equipped with: Front Aux, WB, AM/FM - 4 speaker cab	RE701193D6

2 Speaker cab requires loose wire harness RE511834. 4 Speaker cab might require loose wire harness RE512202 in models previous to 2013.

REI**	
Equipped with: USB, WB, MP3 – requires harness	RE701196D6
Equipped with: USB, WB, MP3, CD – requires harness	RE710439D6
Equipped with: Backup Clock, IPOD Control, USB, WB, MP3, CD Bluetooth with integrated microphone	RE710475D6

***All radios require either a loose wire harness for a 2 speaker cab system - RE511834 OR a loose wire harness for a 4 speaker cab system - RE512202 - (May not be needed in models 2013 to current).*

**Add on suggestions. For OE replacement radios consult your parts book.*

RAM MOUNTS	
Tablet – Claw Mount	79037058
Tablet – Double Suction Mount	79037059
Cell Phone – XGRIP – Claw Mount	79037060
Cell Phone – XGRIP – Suction Mount	79037061
Cup Holder – Claw Mount	79037336

SEATS*	
Behind-the-back suspension seat – 700 seat top angle mounting base, black vinyl cushions	SR43097
Behind-the-back suspension seat – 3000 "Comfort" seat top angle mounting base, gray vinyl cushions	SR43093
Compact air suspension, slides, shock with 3000 Series Seat top gray cloth FAB, recline, LH & RH Armrests	SR32623

**Upgrade suggestions. For OE seats consult your parts book.*



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MASSEY FERGUSON



500R Series

MF 525R

MF 530R

QUICK REFERENCE GUIDE

Lubricants • Filters • Electrical • Drivetrain
Brake Parts • Hydraulic System • Cooling System
Wipers • Paints • Camera Systems • Lighting
Radios • RAM Mounts • Seats

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Genuine Parts. Genuine Service. Genuine Reliability.

Only genuine AGCO parts have the precise fit, reliability, and quality to keep your equipment operating at peak performance. From our factory-trained technicians to our industry leading parts availability, no one knows your equipment better. We don't compromise on quality or performance, and neither should you.

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500R SERIES

MF 525R, MF 530R

AGCO Parts offers the industry's leading warranty with 12 months on dealer installed and over the counter parts and 6 months on labor for genuine AGCO parts installed by our AGCO dealer.

FLUIDS & LUBRICANTS CAPACITIES *Please refer to Operator Manual for alternate operating*	MF 525R	MF 530R
Engine (A)	6.2 gal (23.5 L) - No Filter 6.5 gal (24.7 L) - With Filter	6.2 gal (23.5 L) - No Filter 6.5 gal (24.7 L) - With Filter
Hydraulic System (B)	52.8 gal (200 L)	
Gearbox (C)	0.3 gal (1.2 L)	
Gearbox (C)	0.3 gal (1.2 L)	
Coolant (D)	6.4 gal (24.3 L)	
DEF	26.4 gal (100 L)	
Fuel	92.5 gal (350 L)	
RECOMMENDED FLUIDS & LUBRICANTS		
(A) MultiGuard 15W-40 Diesel Engine Oil		
1 Quart (946mL) Bottle	79036406B	
1 Gallon (3.78L) Jug	79037112B	
2.5 Gallon (9.46L) Jug	79034597B	
5 Gallon (18.92L) Pail	79035353B	
55 Gallon (208.19L) Drum	79034598B	
257.5 Gallon (975L) Tote	79038710B	
(B) ISO 68 Hydraulic Oil		
5 Gallon (18.92L) Pail	79034469B	
(C) 85W-140 Gear Lubricant		
2.5 Gallon (9.46L) Jug	79014724B	
55 Gallon (208.19L) Drum	79022322B	
257.5 Gallon (975L) Tote	79036960B	
(C) 75W-140 Gear Lubricant		
1 qt/0.946 l Bottle	79036525B	
2.5 Gallon (9.46L) Jug	79034596B	
(D) Universal Antifreeze & Coolant - 50/50 Pre-Mix		
1 Gallon (3.78L) Jug - USA	79038109B	
55 Gallon (208.19L) Drum - USA	79038112B	
1 Gallon (3.78L) Jug - Canada	79038113B	
55 Gallon (208.19L) Drum - Canada	79038111B	
Multi-Purpose Lithium II Grease		
14 oz. (0.397g) Tube	79014728B	

Reman option availiable.

Please note: AGCO Quick Reference Guides are for reference only. While we make every effort possible to display accurate and current information, the parts book should be consulted to verify accuracy.

FILTERS	MF 525R	MF 530R
Primary Air Filter Element	4286473M2	
Secondary Air Filter Element	4286474M1	
Suction Filter	ACW4892670	ACW1728940
Hydraulic Return Filter Element	ACW5310400	
Breather Filter	V84876100	
Carbon Filter Element	ACX2903010	
Engine Oil Filter	V836679586	
Fuel Filter Kit	V837091436	
Fuel Pre-Filter	V837086172	
Main Fuel Filter	V837086099	
In-Tank Filter	6265682M1	
Spray Lines Filter Element	AG052351	
Fuel Tank Filter	6283613M91	
DEF Filter	ACP0594170	
ELECTRICAL	**MF 525R**	**MF 530R**
FieldStart Battery (US)	79036832	
FieldStart Battery (CANADA)	79016880	
Starter Motor	V89732200	
Alternator	ACW379231A	
Ignition Key	71468224	



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500R SERIES

MF 525R, MF 530R

AGCO Parts offers the industry's leading warranty with 12 months on dealer installed and over the counter parts and 6 months on labor for genuine AGCO parts installed by our AGCO dealer.

DRIVETRAIN	MF 525R	MF 530R
Complete Engine	ACX3681940	
Long Block	72681481	
Short Block	72681482	
Engine Gasket Kit - Long Block	ACP0406680	
Turbocharger	ACP0396720	
Engine Belt - 1020MM	ACW0825120	
Engine Belt - Air Conditioner Compressor	ACW0569260	
Engine Belt - 1080MM	ACX3617650	
Air Compressor	4286085M2	
Fuel Injector	V837079827	
Fuel Injection Pump (High Pressure)	V837074805	
Oil Pump	ACW1799230	
Oil Sump	V836347308	

BRAKE PARTS	MF 525R	MF 530R
Brake Valve	ACX2175200	

HYDRAULIC SYSTEM	MF 525R	MF 530R
Hydraulic Reservoir	ACW6845370	
Hydrostatic Pump	ACW3376480	
Hydraulic Motor	ACW3679840	

COOLING SYSTEM	MF 525R	MF 530R
Oil Cooler	V837086334	ACW035140A
Water Pump Kit	ACP055583C	
Thermostat - 83C D67	ACW2170430	
Thermostat - 80C D54	ACW2170510	
Radiator	ACW034119B	

WIPERS	MF 525R	MF 530R
Wiper Blade	4295433M1	
Wiper Arm	4295432M2	
Wiper Motor	4294850M2	

PAINTS	MF 525R	MF 530R
MF-50 Red 2013 - Present (Front Hood)		
Aerosol	79036675	
1 qt/ 0.946 L	ACP0146510	
Tec Grey 85 (Chassis)		
Aerosol	ACP0135180	
1 qt/ 0.946 L	ACP0252110	
90% Gloss Black (Cab/Boom/Sheet Metal)		
Aerosol	598209D1	

Reman option availiable.

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MASSEY FERGUSON

500R SERIES

MF 525R, MF 530R

When applicable, accessories are listed and color coded as ★ **Good**, ★★ **Better**, and ★★★ **Best** options.

CAMERA SYSTEMS		
★	1 Camera – OverView Camera System	DMOV-7M-C1
★	2 Camera – OverView Camera System	DMOV-7M-C2
★	Quad Split – OverView 2 Camera System	DMOV-7MQC2
★★	1 Camera – AgCam Analog HD Camera System – 7" Monitor	AG-H7C1P
★★	1 Camera – AgCam Analog HD Camera System – 9" Monitor	AG-H9C1P
★★	Quad Split – AgCam Analog HD 2 Camera System	AG-H9QC2P
★★★	1 Camera – EnduraCam Camera System – 7" Monitor	DMEC-H7C1
★★★	1 Camera – EnduraCam Camera System – 9" Monitor	DMEC-H9C1
★★★	Quad Split – EnduraCam Camera System	DMEC-H9QC2

LIGHTING	
Add on suggestions. For OE replacement lights consult your parts book.	
Grote	
T26 Near (pendant)	GR64G11
T26 Far (pendant)	GR64G01
Oval 2500 (Flood)	GR64W81
Oval 1200 (Flood)	GR64W41
Ag Lamp System Kit	GR01993670
See the Warning and Hazard Lights Brochure for additional product options.	
Hy-Capacity	
Black Matte LED Rechargeable Handheld Shop Light, with Heavy Duty Magnetic Base	8302061

RADIOS	
REI - for Cab Option - Short Depth Radio	
Equipped with: AM/FM WB Stereo Radio, 2/75" Shallow Depth Chassis	RE710831
Requires loose wire harness RE512202	
REI*	
Equipped with: AM/FM/MP3 with USB - No Bluetooth	RE710738
Equipped with: AM/FM/CD/DVD Stereo Radio with Bluetooth	RE710767

**All radios require a loose wire harness RE512202
(May not be needed in models 2013 to current)

RAM MOUNTS	
Tablet - Claw Mount	79037058
Tablet - Double Suction Mount	79037059
Cell Phone - XGRIP - Claw Mount	79037060
Cell Phone - XGRIP - Suction Mount	79037061
Cup Holder - Claw Mount	79037336

SEATS	
Upgrade suggestions. For OE seats consult your parts book.	
Sears	
Behind-the-back suspension seat - 3000 "Comfort" seat top angle mounting base , gray vinyl cushions	SR43093

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DP36631

NEW LEADER

Because precision agriculture can only be as precise as your spreader.



Anti-Slab Kit
Chains Down, Lime Position

Disc Fin Kit
AGCO Part #AG428767

Don't let damaged or worn out fins stand in your way. Protect the integrity of your spread pattern with the New Leader fin kit: 4 right fins, 4 left fins, and all necessary hardware.

Anti-Slab Kit
AGCO Part #AG429682 (31")

Prevent lime and gypsum from slabbing off the rear of the conveyor with this easy-to-install anti-slab kit from New Leader.

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800.363.1771

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15/25-Gallon Spot Sprayers



For easy spot spraying around structures and fence rows.

Features:

- 15-Gallon polyethylene tank
- 12V DC pump, 1 GPM
- Replacement drain fitting with cap

Part	Description
G8014	15-Gallon Spot Sprayer
ACP0493140	25-Gallon Spot Sprayer

Shurflo Spot Sprayers



An affordable compact sprayer that's great for lawn care, small trees, and shrubs. Powered by a 12-volt battery (not included), the Shurflo® model 8000 1.4 GPM pump can deliver up to 60 PSI. The tank and all the plumbing connectors are corrosion resistant for years of trouble-free service. The durable poly spray gun features an adjustable cone spray nozzle. An optional 10' fused wiring kit with battery clips is also available.

Note: *Picture shown is of AG056157—25-gallon spot sprayer. See "8000 Series" offering in the Pumps section of this catalog.*

Part	Description
AG056158	Spot Sprayer 15 Gallon (Yellow Tank)
AG056157	Spot Sprayer 25 Gallon (Yellow Tank)
AG056159	Fused Wiring Kit
AG053341	Spot Sprayer Tank Only (White) - 14 Gallon with Sump
AG053331	Spot Sprayer Tank Only (White) - 25 Gallon Without Sump

3-Point Mounted Sprayer with Boom & 12V Pump

Another great tool for your Massey Ferguson Sub-Compact or Compact/ Utility Tractor.



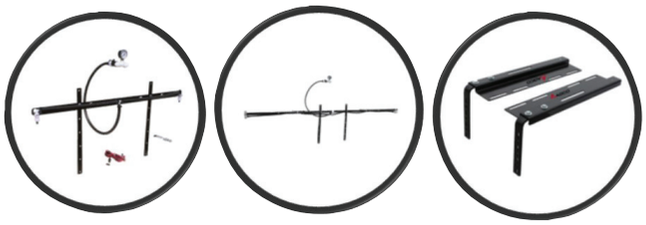
Features:

- 2 GPM
- Three nozzles
- 10' coverage
- Break-away folding boom
- Includes remote switch
- Includes pressure control and gauge
- Includes hand gun + 15' hose
- 6-roller pump or 12V options

Note: *For other roller pump options and pump repair parts/kits, see "1502 Series Roller Pumps" offering in the Pumps section of this catalog.*

Part	Description
ACP0493220	40-Gal. 3PT Sprayer, Roller Pump
ACP0493230	60-Gal. 3PT Sprayer, Roller Pump
ACP0551790	40-Gal. 3PT Sprayer, 12V Pump
ACP0493240	60-Gal. 3PT Sprayer, 12V Pump

AGCO Sprayer Parts & Accessories



For easy spot spraying around structures and fence rows.

Note: ***Must upgrade at min. to AG711461, 1.8 GPM pump, before adding boom accessories. AG715319 replacement is Shurflo 8000-343-236 1.2 GPM pump. OEM tank comes with 1.0 GPM Shurflo 8000-541-236. Seek more information on the 8000 Series Shurflo pump in the Pumps section of this catalog.***

Part	Description
AG715319	1.2 GPM 12V Pump to Replace Spot Sprayer Pump
AG711461	1.8 GPM 12V Pump for Tow-Behind / 3PT / Boom Sprayers
AG007590	1502 Series Roller Pump (See Pump Section for Repair Parts)
AG054221	Replacement FloodJet Tips for All Booms (See TeeJet FloodJet)
ACP0493150	Bracket for Boom & ATV Sprayer
ACP0493160	Boom, 7'W Pattern for Spot Sprayer
ACP0493170	Boom, 10'W Folding for Spot/3PT Sprayer
ACP0493250	Sprayer Wand & Hose for Spot/ATV/Trailer Sprayers

25-Gallon ATV Sprayers



Features: Comes with boom/brackets, 2.2 GPM 12V pump. Two boom options available.

Part	Description
ACP0493180	ATV Sprayer, 25-Gal. 7' Pattern Fxd. Boom
ACP0493190	ATV Sprayer, 25-Gal. 10' Folding Boom

40/60-Gallon RTV Mounted Sprayers



Scout fields and hit your food plots, test plots, pastures and small acreage applications all from one seat.

Features: Height-adjustable skid frame. 80" folding boom/nozzles. Rubber bumpers ensure snug fit over RTV tailgate. Uses 12V pump. Adjustable relief w/gauge.

Part	Description
ACP0493200	RTV Sprayer, 40-Gal. 80" Coverage
ACP0493210	RTV Sprayer, 60-Gal. 80" Coverage

3-Point Mounted Poly Spin Spreaders



Seeding pasture, lawns, cover crops, food plots, spreading dry fertilizer. What is your Massey Ferguson doing this weekend?

Features: Heavy-duty poly hopper; category 1, 3PT hitch; bottom drop spinner; manual controls; 540 RPM PTO

Part	Description
ACP0492960	3PT Spreader, 550-Lb.
ACP0492970	3PT Spreader, 800-Lb.
ACP0492980	3PT Spreader, 1,000-Lb.

Spin Spreader Parts

Part	Description
ACP0492990	Hopper for 550-Lb. 3PT Spreader, Poly
ACP0493000	Hopper for 800-Lb. 3PT Spreader, Poly
ACP0493010	Hopper for 1,000-Lb. 3PT Spreader, Poly
ACP0493020	Agitator Lower, for 3PT Spreaders
ACP0493030	Selector for 3PT Spreaders
ACP0493040	Hitch Pin for 3PT Spreaders
ACP0493050	Seed Disc, Upper, for 3PT Spreaders
ACP0493060	Spreader Disc Lower Dist, 3PT Spreaders
ACP0493070	Vane, Stainless, for 3PT Spreaders
ACP0493080	Spreader Disc, Stainless, for 3PT Spreaders
ACP0493090	Indicator for 3PT Spreaders
ACP0493100	Snap Ring for 3PT Spreaders
ACP0493110	Adj. Lever for 3PT Spreaders
ACP0493120	Adj. Handle, Rubber, for 3PT Spreaders
ACP0493130	Gearbox for 3PT Spreaders

1-Liter Handheld Sprayer



Features:
- Lightweight and easy to use
- Action piston top pump
- Adjustable spray tip
- One-hand sprayer
- Easy fill
- Durable ergonomic design

Note: *Order on Promo 224.*

Part	Description
G8010	1-Liter Handheld Sprayer

16-Liter Backpack Sprayer



Features:
- Lightweight and easy to use
- Four spray tips
- Large opening lid
- Padded straps
- Carry handle

Note: *Order on Promo 224.*

Part	Description
G8012	16-Liter Backpack Sprayer

8-Liter Handheld Sprayer



Features:
- Lightweight and easy to use
- Handle action piston pump
- Single conical spray tip
- Easy-to-use spot spray wand
- Large mouth for easy filling
- Pressure relief valve
- Ergonomic handle

Note: *Order on Promo 224.*

Part	Description
G8011	8-Liter Handheld Sprayer

Model 43 Spray Guns

GunJet®



Designed and built for heavy-duty service. For cleaning equipment and spot spraying in fields, orchards, and nurseries. Inlet is 1/2" and operating response is instant with drip-free shutoff. Available in brass (wt. 3 lbs.) or aluminum (wt. 2 lbs.). As trigger is drawn back, spray pattern begins as a wide-angle cone and narrows to a straight stream when trigger is fully opened. Trigger locks for continuous spraying and a knurled adjustment ring stops trigger at desired position. Length 22".

Notes: *43L for pressures up to 200 PSI. 43H for pressures up to 800 PSI.*

OPERATING DATA — NO. 43L and 43H GunJet SERIES

GunJet NO.	ORIFICE DISC NO.	PERFORMANCE	Liquid Pressure in pounds per square inch (p.s.i.)									
			40 PSI		100 PSI		200 PSI		400 PSI		800 PSI	
			Setting		Setting		Setting		Setting		Setting	
			A	C	A	C	A	C	A	C	A	C
43L-2 43H-2	D2	Capacity — GPM	.29	.30	.45	.47	.64	.66	.90	.94	1.3	1.3
		Spray angle	20°	—	25°	—	20°	—	17°	—	14°	—
		Max. Throw in Feet	10	32	10	33	10	34	10½	35	11	35
43L-4 43H-4	D4	Capacity — GPM	.60	.61	.92	.94	1.3	1.3	1.8	1.9	2.6	2.7
		Spray angle	22°	—	26°	—	24°	—	20°	—	19°	—
		Max. Throw in Feet	10	36	10	36	10½	37	11	39	11	40
43L-6 43H-6	D6	Capacity — GPM	1.2	1.3	1.9	2.0	2.7	2.9	3.8	4.1	5.3	5.8
		Spray angle	38°	—	41°	—	38°	—	33°	—	30°	—
		Max. Throw in Feet	10	44	10	45	10½	46	11	48	11	50
43L-8 43H-8	D8	Capacity — GPM	2.0	2.5	3.1	3.4	4.4	4.8	6.2	6.8	8.8	9.6
		Spray angle	48°	—	50°	—	48°	—	42°	—	36°	—
		Max. Throw in Feet	10	45	10	46	10½	47	11	49	11	51
43L-10 43H-10	D10	Capacity — GPM	2.6	3.2	4.1	5.0	5.8	7.1	8.2	10	10.2	14.1
		Spray angle	50°	—	55°	—	51°	—	45°	—	40°	—
		Max. Throw in Feet	10	46	10½	49	11	50	11½	52	12	54

Part	Description
AG002516	Spray Gun, 43L-4 Aluminum
AG001572	Spray Gun, 43L-6 Aluminum
AG001570	Spray Gun, 43L-6 Brass
AG001569	Spray Gun, 43H-6 Brass
AG005489	1/2" Swivel for #43 Gun

Model 50800 Spray Gun



The Model 50800 spray gun is a lightweight spray gun designed for use with backpack, canister, or other low-pressure sprayers. The trigger jet is made of molded polypropylene for excellent chemical resistance and durability.

Features:

- Available in 15" poly or 21" aluminum extensions
- Available with 38720PP-X18 adjustable ConeJet Spray Tips
- Trigger lock permits locking gun in an open position for continuous flow
- Maximum operating pressure: 100 PSI
- 1/4" or 3/8" hose barb inlets
- Poly strainer located in handle to prevent plugging

Part	Description
AG426644	15" Extension, 1/4" Hose Barb Ext, Poly
AG426645	15" Extension, 3/8" Hose Barb Ext, Poly
AG426671	21" Extension, 1/4" Hose Barb Ext, Aluminum
AG426672	21" Extension, 3/8" Hose Barb Ext, Aluminum

Model 23 Spray Guns and Accessories



The Model 23 guns are lightweight (1 lb.), which makes them ideal for spot spraying and high-pressure washing. Shutoff is at the orifice for drip-free operation. 23L models are for pressures up to 250 PSI; 23H models are for pressures from 250 to 1,000 PSI. Nozzle orifices sold separately.

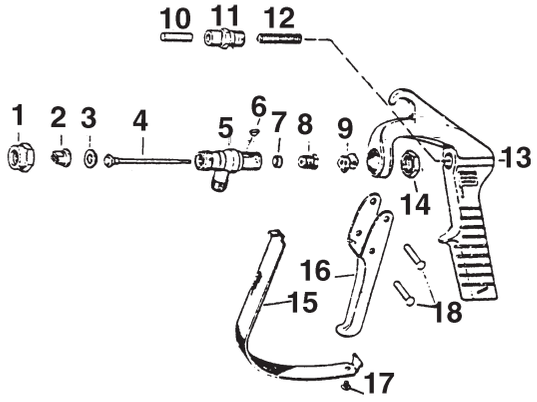
Part	Description
AG001554	Spray Gun 23H
AG001556	Spray Gun 23L

Model 23 Spray Gun Repair Kits

Note: *Repair kits include spring, cup packing, and orifice seat.*

Part	Description
AG005474	Repair Kit 23L
AG005475	Repair Kit 23H

Model 23L Repair Parts



Notes: *Items 3, 4, 7, and 12 included in repair kit. Items 15, 16, and 17 not listed.*

Part	Description
AG001613	(1) Nozzle Cap - Brass
AG001817	(3) Valve Seat
AG001810	(4) Main Stem Assembly Brass

Model 23 Spray Guns with Extensions



Part	Description
AG005495	Spray Gun 23L-8"
AG006270	Spray Gun 23L-18"
AG001558	Spray Gun 23L-24"
AG705133	Spray Gun 23L-36"
AG001559	Spray Gun 23L-48"

Extension Stems for Model 23

Part	Description
AG005788	8" Stem
AG005566	18" Stem
AG005565	24" Stem
AG005787	36" Stem

Tubes for Model 23 Spray Guns

Part	Description
AG005763	8" Tube
AG002572	18" Tube
AG001660	24" Tube
AG006132	36" Tube
AG002613	48" Tube

Wand Gaskets for Model 23 Spray Guns

Part	Description
AG001670	Nylon Gasket
AG052978	Teflon® Gasket

Model 30 Spray Guns



Nylon gun is designed to withstand impact and rough usage. Shutoff occurs behind spray tip to prevent dripping. Maximum flow is 5 GPM, maximum temperature is 200°F, and maximum pressure is 250 PSI.

Note: *Repair kit includes valve seat, stem sub-assembly, spring, and gasket.*

Part	Description
AG009021	Spray Gun Only, 1/4"(F) NPT Inlet
AG009082	Spray Gun with 8" Extension
AG009083	Spray Gun with 18" Extension
AG009084	Spray Gun with 24" Extension
AG008725	Repair Kit

Model 6466 Trigger Valves



Same as Model 4688 with extra-long trigger but less lock.

Part	Description
AG002587	Valve Trigger

30° ConeJet® Adjustable Spray Tips



Features:
- Provides adjustable spray from solid stream to a hollow cone spray pattern
- Made of polypropylene material for excellent chemical resistance
- Fits any 11/16"-16 TeeJet male thread bodies
- 30° offset from horizontal incorporated into main tip body

Part	Description
AG426495	Nozzle ConeJet - X8
AG426496	Nozzle ConeJet - X12
AG426497	Nozzle ConeJet - X18
AG426498	Nozzle ConeJet - X26

ConeJet Adjustable Poly Spray Tips



Get fingertip control of four spray patterns.
- Finely atomized cone spray
- Narrow angle cone spray
- Full cone spray
- Solid stream spray

Notes: *11/16"-16(F) inlet TeeJet thread maximum PSI 150.*

Part	Description
AG054130	ConeJet Tip, Gray, Size 8, Viton®
AG050304	ConeJet Tip, Brown, Size 12
AG050305	ConeJet Tip, Orange, Size 18

ConeJet Adjustable Brass Spray Tips



Get fingertip control of four spray patterns.
- Finely atomized cone spray
- Narrow angle cone spray
- Full cone spray
- Solid stream spray

Note: *Nozzle has 11/16" cap connection to fit most TeeJet guns.*

Part	Description
AG844524	Brass Cone Tip Size 1
AG845053	Brass Cone Tip Size 2
AG005647	Brass Cone Tip Size 3
AG001375	Brass Cone Tip Size 8
AG050010	Brass Cone Tip Size 12
AG053544	Brass Cone Tip Size 22
AG845065	Brass Cone Tip Size 26

D-Disc Orifices



Note: *D-disc orifices are interchangeable. See Spray Tips section for complete selection of Orifice Discs.*

Part	Description
AG001520	D2 Orifice Disc
AG001523	D4 Orifice Disc
AG001525	D6 Orifice Disc
AG001527	D8 Orifice Disc
AG001528	D10 Orifice Disc

Brass Swivels



Part	Description
AG002208	Swivel, 1/4" (F) NPT x 1/4" (F) NPT
AG005373	Swivel, 1/4" (F) NPS x 3/8" (F) NPT
AG007501	Swivel, 1/4" (F) NPS x 3/8" Hose Barb
AG516010	Swivel, 1/4" (M) NPT x 3/8" Hose Barb

Swivel



Brass 3/4" garden hose thread swivel provides leak-proof connection at pressures up to 800 PSI.

Part	Description
AG001915	Swivel, 3/4" GHT

Rubber-Covered Brass Handle



Part	Description
AG001669	Handle, 1/4" (M) x 1/4" (F) NPS Inlet
AG001671	Handle, 1/4" (M) x 3/4" (F) GHT Inlet

Lawn Spray Gun



Features:
- Interchangeable nozzle tips are color coded for easy identification of nozzle tip size; nozzle sold separately
- Nozzle tips provide a 45° full cone "showerhead" spray pattern
- Convenient trigger lock for continuous spraying

Options Available:
- Hose shank swivel for inlet connection and extension wand and adapters for low-volume and spot spraying
- Maximum operating pressure of 200 PSI
- Made of nylon with Viton® O-rings and stainless steel springs

Notes: *Please specify lawn gun number and nozzle number. Order nozzle tip separately.*

Nozzle Tip No.	Nozzle Tip Color	Capacity (GPM) at Various Pressures*						
		2 PSI	4 PSI	6 PSI	8 PSI	10 PSI	15 PSI	20 PSI
No. AG051115	Gray	1.4	1.9	2.3	2.6	2.9	3.4	4.0
No. AG051116	Black	2.0	2.7	3.2	3.6	4.1	4.9	5.6
No. AG051117	Red	2.3	3.1	3.7	4.3	4.7	5.6	6.4

Part	Description
AG051114	Lawn Spray Gun, Less Nozzle
AG051115	Nozzle Tip, Gray
AG051116	Nozzle Tip, Black
AG051117	Nozzle Tip, Red

Swivel for Lawn Gun

Allows operator to concentrate on application without hose interference. 3/4" (M) NPT connection with 1/2" hose shank. Maximum pressure 150 PSI.

Part	Description
AG051118	Swivel

Adapter for Lawn Gun

Replaces shower nozzle to allow extension wand or standard TeeJet tip to be attached directly to lawn spray gun. 3/4" (F) garden hose thread inlet with 11/16"-16 TeeJet thread outlet. Maximum pressure: 150 PSI.

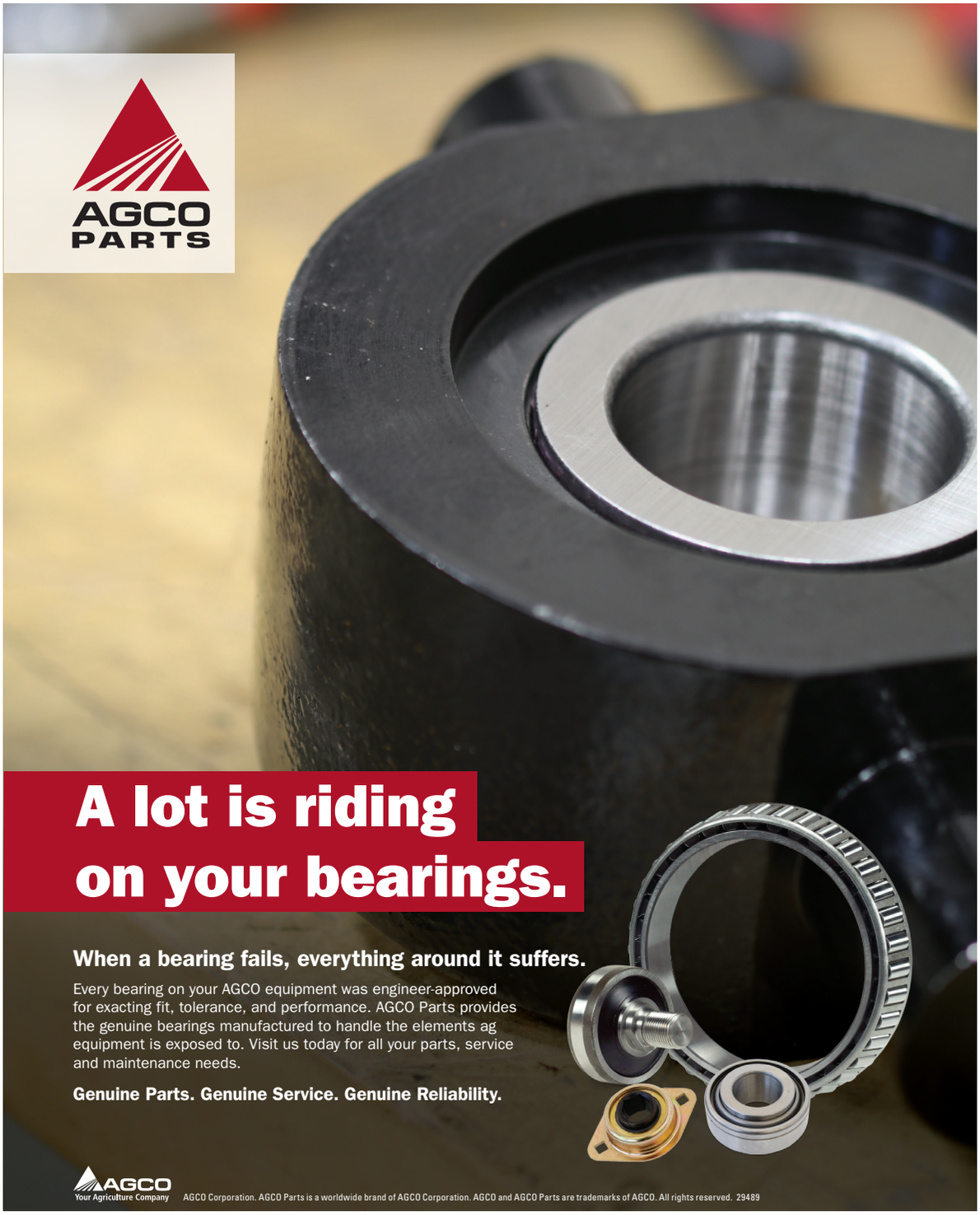
Part	Description
AG051119	Lawn Gun Adapter

Extension Wand for Lawn Gun



For low-volume and spot spraying applications. Available in both 15" and 24" lengths, the extension fits on adapter and has 11/16"-16 (F) TeeJet thread outlet to accept all interchangeable TeeJet tips. Maximum pressure: 150 PSI.

Part	Description
AG051120	15" Wand
AG051121	24" Wand
AG051416	Adapter Straight
AG052104	Adapter 45 Degree



To find your nearest dealer or to order, go to parts.agcocorp.com

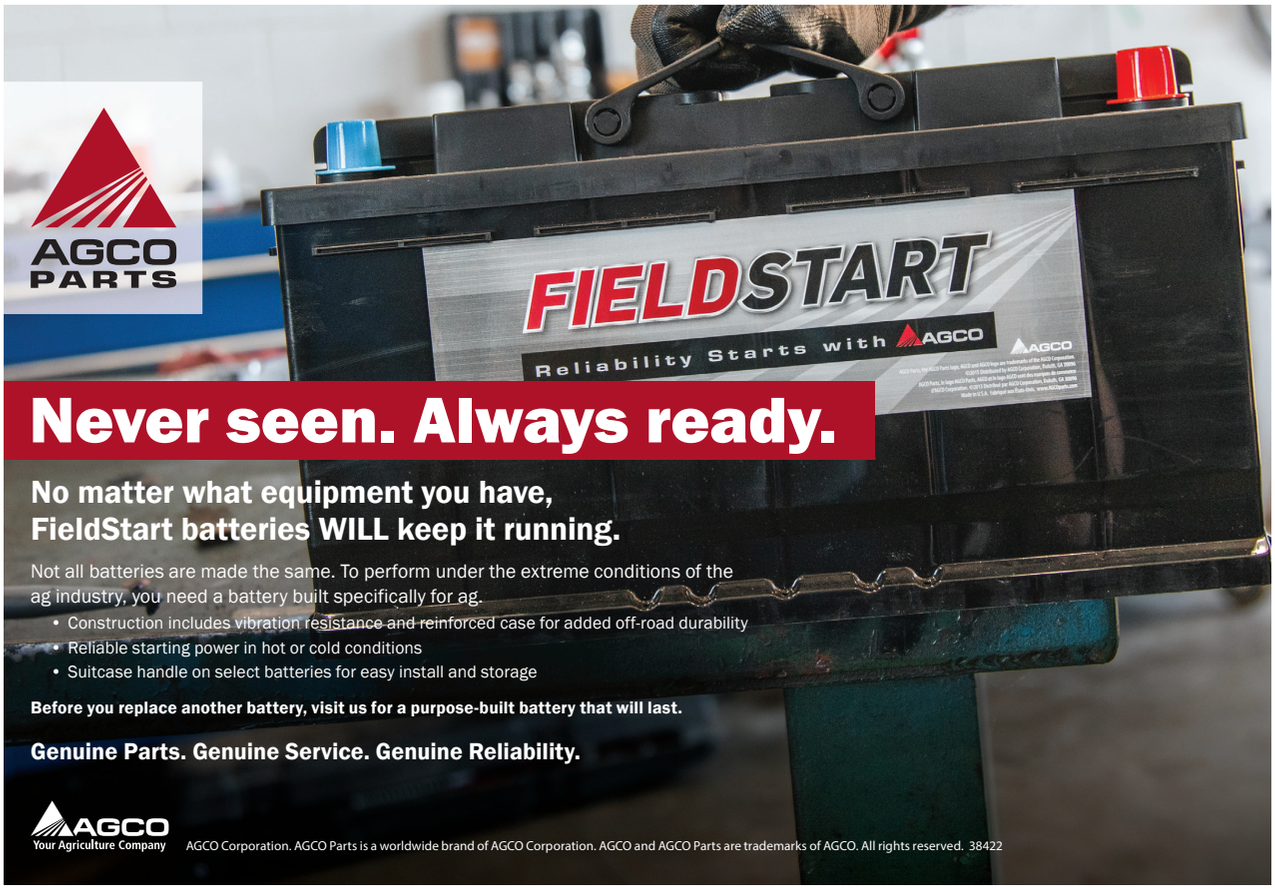

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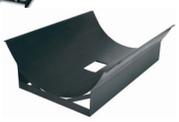


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For OEM Crop Care Tanks for AGCO Application and Seeding Equipment, refer to parts books.

Free-Standing Horizontal Bulk Storage Tanks



Ace Roto-Mold
A DIVISION OF DEN HARTOG INDUSTRIES, INC.

Free-standing tanks are selected when transportable (non-D.O.T. regulated) containment is required for indoor or outdoor applications. Tanks are equipped with molded-in legs, to support the tank, and band locators for tie-down. Tanks are manufactured from medium- or high-density polyethylene with UV inhibitors and designed for containment of liquids of up to 1.7 specific gravity. Tank walls are translucent for level viewing and equipped with gallon indicators. Internal baffles come standard on single tanks larger than 1,610 gallons. There is an optional baffle kit available for 1,065-gallon tanks.

Notes: *Dimensions in inches (diameter x length or L x W x H for elliptical-style tanks). The use of steel bands and hoops is required for warranty consideration on tanks of 735 gallons and larger. Additional freight charges may apply. Have your dealer contact AGCO customer service to provide a freight quote estimate. Bands, hoops, and skids sold separately.*

Hoop/Skid Pairing Key	Part	Gallon	Wt.	W"	L"	H"	Lid ø"	Sump	Fitting
	AG053338 **	15	11	14	30		5	Yes	None
	AG053674 **	25	15	16	34		5	Yes	None
1	AG053339 **	35	16	18	34		5	No	None
2	AG053675 **	65	32	24	39		5	No	1"
	AG053282 **	70	35	24	39		5	No	1"
	AG053381	125	52	32	40		5	No	1"
	AG053340	165	70	32	54		8	No	1"
3	AG053400	225	85	38	52		8	No	1"
3	AG427376	325	106	38	72		8	No	2"
4	AG053344	335	116	44	56		12	No	2"
5	AG427377	510	162	57	80	39	16	No	2"
6	AG053343	535	160	48	78	54	16	No	2"
7	AG057467	735	250	48	103		16	No	2"
8	AG053598	925	290	62	81		16	Yes	2"
8	AG053596	925	290	62	81		16	No	2"
9	AG059796	1,005	340	48	130		16	No	2"
10	AG427378	1,010	340	48	130		16	No	2"
11	AG427379	1,035	290	78	90	52	16	No	2"
12A	AG054916	1,065	340	56	105		16	Yes	2"
12B	AG054915	1,065	340	56	105		16	No	2"
13A	AG427380	1,300	425	62	114		16	Yes	2"
13B	AG427381	1,300	425	62	114		16	No	2"
14	AG428663 *	1,610	530	78	139	58	16	No	2"
15A	AG428664	1,610	530	78	139	58	16	Center	2"
15B	AG427317	1,610	530	78	139	58	16	End	2"
16	AG427382	1,750	616	62	147		16	Yes	2"
16	AG427383	1,750	616	62	147		16	No	2"
17A	AG053676 †	1,800	580	62	149		16	Yes	2"
17B	AG053677 †	1,800	580	62	149		16	No	2"
18A	AG426297	2,350	920	88	146	63	16	No	2"
19	AG060258	2,600	850	62	212		16	Yes	2"
19	AG060257	2,600	850	62	212		16	No	2"
18B	AG427228	2,750	1,150	88	146	70	16	No	2"
20	AG060780 †	3,200	1,100	88	172	74	16	Yes	2"
18C	AG426471	3,250	1,208	88	146	79	16	No	3"
21	AG428601	3,750	1,422	88	146	91	16	No	3"
22A	ACP0438060	4,200	1,648	92	195	80	16	No	3"
22B	ACP0438070	4,200	1,648	92	195	80	16	Center	3"
22C	ACP0438080	4,200	1,648	92	195	80	16	End	3"
23	AG428599	4,250	1,617	88	146	101	16	No	3"

* Flat Bottom † Two Tanks ** Can Be Shipped via UPS

Instructions
Step 1: Select tank
Step 2: Select the tank's corresponding band and hoop by matching the pairing key number on the left
Step 3: Select skids and misc. items using the same method. These items are found on the next page.

Example:
Step 1: 1,065 Gal w/ Sump (key 12A)
Step 2: Using 12—AG054917
Step 3: Skid 12A—AG054919 (optional): Baffle Kit—AG427389

Bands, Hoops, and Skids for Free-Standing Horizontal Tanks



The use of steel bands and hoops is required for warranty consideration.
Note: *Additional freight charges may apply.*

Bands and Hoops

Tank Pairing Key		Part	Gallon	Qty.
Bands	1	AG053678	35	Need 2
	2	AG053679	65	Need 2
	3	AG053681	225/325	Need 2
	4	AG053682	335	Need 2
	6	AG053683	535	Need 2
Hoops	5	AG427386	510	Set of 3
	7	AG057476	735	Set of 3
	8	AG053597	925	Set of 2
	9	AG059793	1,005	Set of 4
	10	AG427387	1,010	Set of 4
	11	AG427388	1,035	Set of 3
	12	AG054917	1,065	Set of 3
	13	AG427384	1,300	Set of 3
	14	AG427390	1,610	Set of 4
	15	AG428665	1,610	Set of 4
	16	AG427385	1,750	Set of 4
	17	AG053685	1,800	Set of 4
	18A	AG426299	2,350	Set of 4
	19	AG060259	2,600	Set of 6
	18B	AG427392	2,750	Set of 4
	20	AG060778	3,200	Set of 4
	18C	AG426082	3,250	Set of 4
	21	AG428602	3,750	Set of 4
	22	ACP0438120	4,200	Set of 5
	22	ACP0438130	4,200*	Set of 5
	23	AG428600	4,250	Set of 4

*w/feet

Skids and Miscellaneous

Tank Pairing Key		Part	Gallon
Skids	8	AG053684	925
	10	AG427393	1,010
	12A	AG054919	1,065 w/Sump
	12B	AG054918	1,065 w/o Sump
	13	AG427394	1,300
	15B	AG427395	1,610 End Sump
	15A	AG428666	1,610 Center Sump
	16	AG427396	1,750
	17A	AG053686	1,800 w/ Sump
	17B	AG427397	1,800 w/o Sump
	18	AG426298	2,350/2,750/3,250
	19	AG060638	2,600
	20	AG060779	3,200
	22A	ACP0438090	4,200 w/o Sump
	22C	ACP0438100	4,200 End Sump
	22B	ACP0438110	4,200 Center Sump
Baffle Kit			
	12	AG427389	1,065 (Optional)
Ladder			
	18	AG426529	3,250

Note: *Ladder is also available for 3,750- and 4,250-gallon tank.*

Ace Roto-Mold Lids



Part	Size	Description
AG053313	16"	Hinged, Vented Lid
AG053313	16"	Hinged, Non-Vented Lid
AG053628	5"	Spin-on, Vented Lid
AG053313	8"	Threaded, Vented Lid & Ring
AG053664	12"	Threaded, (Inductor) Non-Vented Lid and Ring
AG053416	16"	Threaded, Vented Lid & Ring
AG053583	4"	Breather, for 16" Lid
AG051217	18"	Lanyard, for 8" Lid and 16" Non-Hinged Lid

Hypro ProCap Tank Lids



Easily replaces an old or lost lid. Female-Threaded Lid has spring-type breather and standard threads to fit most tanks. Male-Threaded Lids feature a Labyrinth Breather and are specially designed for direct and simple installation of the Sotera® closed filling system receptacle. 180° Hinged Tank Lids have a bullet-type breather and feature DuraLok® Technology, a unique twist-and-lock closing system. These lids come standard with a locking hasp for added security.

Part	Size	Description
AG427611	8"	Male-Threaded Tank Lid and Ring
AG428399	16"	Male-Threaded Tank Lid and Ring
AG334922	12"	180° Hinged Tank Lid

Solar Tank Lids



Part	Size
AG007302	5"

Vertical Bulk Storage Tanks



Ace Roto-Mold manufactures a complete line of quality storage containers to meet the growing needs of tomorrow. Tank features include: deep tie-downs, molded-in gallonage markings, large 16" vented lids (800 Gal. and up), FDA approval, and ultraviolet inhibitors added to protect tanks from sunlight. Designed for containment of liquids of up to 2.0 specific gravity for tanks up to 625 Gal.; 1.7 specific gravity for tanks 800 Gal. and larger, except the 10,500 vertical tank, which is 1.6 specific gravity, and the 2,800-lb., 10,500-gallon tank, which is 1.8 specific gravity.

Notes: *Designed for material up to 14 Lbs. per gallon. 3-year warranty. Tanks shown with (**) can ship UPS. Additional freight charges may apply.*

Stand Pairing	Part	Gallon	Wt. (lbs.)	Dia.	Ht.	Fitting	Lid
1	AG427203 **	20	13	16"	28"	3/4"	8"
1	AG057483 **	25	12	18"	30"	3/4"	5"
1	AG057482 **	40	17	18"	43"	3/4"	5"
1	AG427204 **	55	22	20"	47"	1"	5"
1	AG053498 **	65	25	23"	42"	1"	5"
1	AG427205 **	75	28	23"	50"	1"	7"
2	AG053687 **	100	36	28"	45"	1"	7"
2	AG427206 **	105	38	23"	65"	1"	7"
2	AG053252	110	40	32"	41"	2" Top	5"
2	AG427207	135	45	28"	59"	1"	8"
4	AG054426	160	56	28"	68"	1"	8"
2	AG053251	175	54	31"	61"	1-1/2"	8"
2	AG427208	180	48	40"	45"	2" Top	5"
3	AG054572	210	56	40"	49"	2" Top	5"
3	AG060900 †	210	52	40"	42"		
3	AG053218	225	65	31"	76"	1-1/2"	8"
5	AG053688	265	74	31"	88"	1-1/2"	8"
	AG427364	295	74	42"	55"	2"	16"
	AG053689	300	73	42"	55"	2"	8"
6	AG053458	300	86	35"	81"	2"	8"

Vertical Bulk Storage Tanks Continued on Next Page ** Can Be Shipped via UPS † Open-Top

Stands for Vertical and Open-top Vertical Tanks



Stands for vertical and open-top vertical tanks.

Notes: *Dimensions are in inches (diameter x height). Additional freight charges may apply.*

Tank Pairing Key	Part	Gallon	Wt. (lbs.)	Dia.	Ht.
1	AG427368 **	1,500 Max Capacity	175	31-1/2" ID	24"
2	AG427369	3,000 Max Capacity	165	52"	36"
3	AG427370	4,000 Max Capacity	201	52"	36"
4	AG427371	160	83	30"	26"
5	AG427372	265	89	33"	26"
6	AG427373	300	114	37"	38"

** Can Be Shipped via UPS

Instructions
Step 1: Select tank
Step 2: Select the tank's corresponding stand by matching the pairing key number on the left

Example:
Step 1: 160 Gal Vertical – **(4)**
Step 2: Pairs with – **(4)** AG427371

To find your nearest dealer or to order, go to parts.agcocorp.com

Vertical Bulk Storage Tanks, Continued

Part	Gallon	Wt. (lbs.)	Dia.	Ht.	Fitting	Lid
AG427366 †	325	115	60" W x 96" L x 24" H Rectangle			
AG060899 †	360	115	48"	48"		
AG427209	405	90	52"	48"	2"	8"
AG427365	420	102	42"	75"	2"	16"
AG053250	425	101	42"	75"	2"	8"
AG053662	500	118	46"	77"	2"	8"
AG060898 ††	500	150	56"	62"		
AG427210	505	118	46"	80"	2"	16"
AG053219	550	116	52"	66"	2"	8"
AG053457	600	130	46"	91"	2"	16"
AG055852	625	100	64"	50"	2"	8"
AG427211	800	175	46"	118"	2"	16"
AG056055	850	182	54"	94"	2"	8"
AG427212	900	220	46"	132"	2"	16"
AG053585	1,000	250	64"	81"	2"	16"
AG060896 ††	1,000	277	74"	64"		
AG053220	1,050	190	86"	54"	2"	16"
AG057481	1,200	275	64"	97"	2"	16"
AG060895 †	1,200	200	86"	54"		
AG060894 †	1,350	217	86"	62"		
AG053291	1,500	335	64"	115"	2"	16"
AG053221	1,500	250	86"	69"	2"	16"
AG060893 †	1,500	240	86"	68"		
AG427213	1,525	350	64"	122"	2"	16"
AG053222	1,650	276	86"	74"	2"	16"
AG060892 †	1,700	317	90"	66"		
AG053223	2,000	375	90"	84"	2"	16"
AG056058	2,000	465	64"	156"	2"	16"
AG427214	2,150	417	102"	71"	2"	16"
AG060891 †	2,200	365	90"	85"		
ACP0438040	2,500	445	96"	92"	2"	16"
AG053224	2,500	420	90"	103"	2"	16"
AG060890 †	2,700	480	90"	103"		
AG053225	3,000	550	90"	120"	2"	16"
ACP0438050	3,000	582	96"	109"	2"	16"
AG427215	3,100	550	102"	103"	2"	16"
AG427215 †	3,300	550	102"	105"		
AG427216	3,400	585	102"	107"	2"	16"
AG060889 †	3,700	625	96"	128"		
AG057480	4,000	900	96"	140"	2"	16"
AG057479	4,200	950	96"	148"	2"	16"
AG053226	5,150	1,350	102"	161"	3"	16"
AG054425	6,250	1,550	102"	194"	3"	16"
AG060888 †	6,800	1,525	120"	144"		
AG057478	7,000	1,750	142"	125"	3"	16"
AG059795	7,800	1,900	120"	176"	3"	16"
AG427217	8,000	1,930	120"	180"	3"	16"
AG427218	9,150	2,200	120"	203"	3"	16"
AG055311	10,500	2,500	142"	177"	3"	16"
AG430369	10,500	2,800	142"	177"	3"	16"
AG430370	12,500	3,402	142"	204.75"	3"	16"
AG430371	15,500	4,000	142"	242.5"	3"	16"

† Open-Top †† Open-Top w/Bolt on Top

Gusseted-Top Vertical Tank



Gusseted-top vertical tanks are free standing with a flat bottom for indoor or outdoor installations. Tanks are manufactured from medium-density polyethylene with UV inhibitors and designed for containment of liquids of up to 1.5 specific gravity. Tank walls are translucent for level viewing and equipped with gallon indicators.

Notes: *Dimensions in inches (diameter x height). All tanks have 2" fittings and 16" lids. Additional freight charges may apply.*

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Part	Gallon	Wt. (lbs.)	Dia.	Ht.
AG057637	1,050	175	86"	50"
AG057638	1,350	207	86"	62"
AG057640	1,650	255	86"	74"

To find your nearest dealer or to order, go to parts.agcocorp.com

Pallet Paks



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Pallet Pak units are designed for light-duty (non-D.O.T. regulated) indoor or outdoor applications. The base of the pallet frame is designed for forklift transportability. The rectangular pallet paks have a metal frame and plastic base. The vertical paks have poly bases. The tanks are manufactured from medium-density polyethylene with UV inhibitors and are designed for containment of liquids of up to 1.7 specific gravity. Tank walls are translucent for level viewing and equipped with gallon indicators.

Note: *Additional freight charges may apply.*

Part	Gallon	W	L	H	Lid	Fitting	Wt. (lbs.)
AG427374	150	27"	43"	47"	7"	2"	201
AG060883 **	150 (x2)	51"	43"	47"	7"	2"	356
AG060882	300	51"	43"	47"	7"	2"	316
AG060881 *	110	33"	40"	44"	5"	2" Top	68
AG060880 *	210	41" Diameter		52"	5"	2" Top	84
AG427375 †	150	24"	40"	42"			80
AG056224 †	300	48"	40"	42"			120
AG053252 †	110	32"	41"	40"			40
AG054572 †	210	40"	49"	56"			56

† Tank Only ** Two Tanks in One Frame * Round

Round Horizontal Bulk Storage Tanks



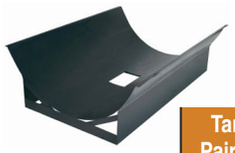
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Round horizontal tanks are selected when transportable (non-D.O.T. regulated) containment is required for indoor or outdoor applications. Tanks require skids and bands to support the round bottom. All tanks are equipped with drain-out sumps. Tanks are manufactured from medium-density polyethylene with UV inhibitors and designed for containment of liquids of up to 1.7 specific gravity. Tank walls are translucent for level viewing and equipped with gallon indicators.

Notes: *3-year warranty. Items shown with (**) can ship UPS. Additional freight charges may apply.*

Cradle/Band Pairing	Part	Gallon	Wt. (lbs.)	Dia.	L	Fitting	Lid
1	AG053332 **	25	12	23"	20"	3/4"	5"
2	AG053333 **	55	23	23"	38"	3/4"	5"
3	AG427405 **	75	31	24"	47"	3/4"	5"
4	AG053334 **	95	40	24"	54"	1-1/4"	5"
5	AG053254	110	40	30"	44"	1-1/4"	8"
6	AG053253	150	48	30"	57"	3/4" x 1-1/4"	8"
7	AG060383	150	48	32"	52"	3/4" x 1-1/4"	8"
8	AG053335	200	64	32"	68"	3/4" x 1-1/4"	8"
9	AG053357	200	64	38"	51"	3/4" x 1-1/4"	8"
10	AG053336	300	88	38"	76"	3/4" x 1-1/4"	8"
11	AG053337	500	122	48"	79"	3/4" x 1-1/4"	8"

Cradles and Bands for Round Horizontal Tanks



Notes: *Items shown with (**) can ship UPS. Additional freight charges may apply.*

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Tank Pairing	Part	Gallon	Dia.	Wt. (lbs.)
1	AG053665 **	25		20
2	AG053467 **	55		24
3	AG427406 **	75		36
4	AG053354 **	95		38
5	AG053666 **	110		40
6	AG060387 **	150	30"	57
7	AG053667	150	32"	56
8	AG053668	200	32"	110
9	AG053669	200	38"	85
10	AG053366	300		145
11	AG053466	500		170

Instructions
Step 1: Select tank
Step 2: Select the tank's corresponding cradle and band by matching the pairing key number on the left

Example:
Step 1: 95 Gal AG053354 – **(4)**
Step 2: Pairs with – **(4)** AG053354

Elliptical Tanks



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Elliptical tanks can be selected for stationary or transportable (non-D.O.T. regulated) applications both indoors and outdoors. The elliptical tank lowers the center of gravity to enhance stability and visibility. The tanks feature a standard 2-1/2" collection sump on the bottom for full drainage. An 8-1/2" deep sump option is available on five sizes. Sump is located directly under the lid on standard tanks, but a center sump option is available on tanks from 500-1,250 gallons. Sump is located directly under the lid on standard tanks; sump option is available on 1,600-gallon deep (6") sump tanks. These tanks require the bottom to be fully supported with a cradle for use. The tanks are manufactured from medium-density polyethylene with UV stabilizers and are designed for containment of liquids of up to 1.7 specific gravity. Tank walls are translucent for level viewing and equipped with gallon indicators.

Note: *Additional freight charges may apply.*

Cradle Pairing	Part	Gallon	Wt. (lbs.)	W	L	H	Lid
1	AG726396	200	82	41"	66"	26"	8"
2	AG726395	300	112	48"	70"	30"	8"
3	AG060645	400	127	57"	70"	36"	8"
4	ACW7274970	500	163	57"	82"	36"	8"
4	AG427398 **	500	163	57"	82"	36"	8"
4	AG428775 **	500	163	57"	82"	36"	16"
5	AG430372 **	600	187	64"	84"	46"	16"
6	AG726393	750	220	69"	89"	42"	16"
6	AG427399 **	750	220	69"	89"	42"	16"
7	AG427400	850	246	69"	89"	46"	16"
7	AG427401 **	850	246	69"	89"	46"	16"
8	AG726392	1,000	285	78"	90"	49"	16"
8	AG427402 **	1,000	285	78"	90"	49"	16"
9	AG428868 **	1,250	400	78"	92"	60"	16"
10	AG427315	1,600	439	78"	138"	49"	16"
10	AG427403 **	1,600	439	78"	138"	49"	16"

**Deep Sump

Cradles for Elliptical Tanks

Cradle Pairing	Part	Gallon	Wt. (lbs.)
1	AG726391	200	140
2	AG726390	300	155
3	AG060648	400	190
4	AG726389	500	202
5	AG726388	750	451
6	AG427404	850	453
7	AG726387	1,000	515
8	AG726387	1,250	520
9	AG427316	1,600	578

Instructions
Step 1: Select tank
Step 2: Select the tank's corresponding cradle by matching the pairing key number on the left

Example:
Step 1: 500 Gal AG427398 – **(4)**
Step 2: Pairs with – **(4)** AG726389

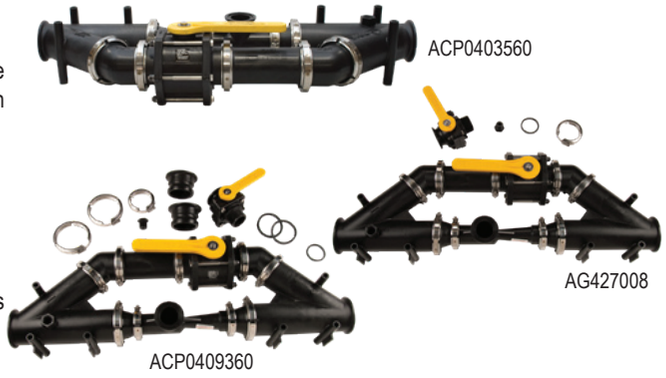
Manifold Inductor System



Manifold inductor system draws wettable powders from inductor tank for thorough chemical mixing.

Features:

- Installed after pump; suction completely empties inductor tank
- Keeps pump free of chemicals
- 2" and 3" full port flow
- Easy installation with manifold connections
- Tank not included



Part	Description
AG426520	Chemical Inductor System 2" Hose Barb Adapters
AG428351	Chemical Inductor System 2" Full Port Male Adapter x Male Adapter (Assembly Required)
AG427008	MIS300A 3" Inductor Assembly
ACP0403560	MIS300 3" Full Port Inductor System
ACP0409360	MIS300AA 3" Full Port Inductor System A X A Connections

Inductor Tanks and Stands



Inductor tanks are selected as supply tanks for application systems and when a more complete drainage of stored liquids is required in indoor or outdoor applications. Tanks require stands to support the conical bottoms. Tanks are manufactured from medium-density polyethylene with UV inhibitors and designed for containment of liquids of up to 1.7 specific gravity. Tank walls are translucent for level viewing and equipped with gallon indicators.

Notes: *Additional freight charges may apply. Stands found on next page.*

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Stand Pairing	Part	Gallon	Description	Dia.	H	Lid	Fitting
1	AG053670	15	Standard Fitting	19"	24"	12"	2"
2	AG427420	15	Full Drain, Boss Fitting	19"	27"	12"	1-1/2"
	AG427421	15	Side Mount	19"	24"	12"	2"
3	AG053499	30	Standard Fitting	24"	30"	12"	2"
4	AG427422	30	Full Drain, Boss Fitting	24"	33"	12"	1-1/2"
	AG428871	35	Full Drain w/Poly Stand	25"	43"	12"	
5 6	AG053672	40	Full Drain, Boss Fitting	30"	34"	12"	2"
3	AG053288	55	Standard Fitting	24"	42"	12"	2"
4	AG427423	55	Full Drain, Boss Fitting	24"	46"	12"	1-1/2"
5	AG427424	60	Full Drain, Boss Fitting	30"	38"	16"	2"
	AG428872	60	Full Drain w/Poly Stand	25"	55"	12"	
	AG053275	85	BH Standard Fitting	30"	43"	12"	2"
5	AG060901	110	Full Drain, Female NPT Fitting	30"	51"	12"	2"

Stands for Inductor Tanks

Tank Pairing	Part	Gallon	Dia.
1	AG053671	15	
2	AG427425	15 Full	
3	AG053500	30, 55	24"
4	AG427426	30, 55 Full	24"
5	AG053276	40, 60, 85, 110	30"
6	AG427427 **	40	

** UPS Shippable, 4" Shorter

Instructions

Step 1: Select tank

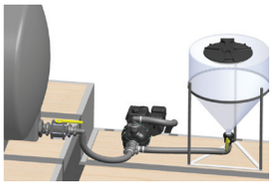
Step 2: Select the tank's corresponding stand by matching the pairing key number on the left

Example:

Step 1: 30 Gal AG427422 – **(4)**

Step 2: Pairs with – **(4)** AG427426

Chemical Induction vs. Chemical Eduction



Chemical Induction:

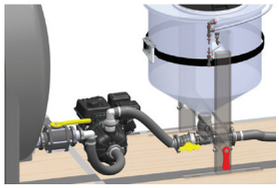
How It Works:

Chemical concentrate is pulled from the tank directly into the transfer and then pushed onto the sprayer. Induction requires you to turn the freshwater off and open the tank valve to drain the tank.

Considerations:

- Flowable powders are prone to clogging the inlet of the pump.
- Abrasive or corrosive chemicals are running through the transfer pump. That can cause premature wear.

Chemical Eduction (Cleanload System):



How It Works:

The chemical eductor located under the eductor tank pulls liquid from the hopper, mixing into a jetted stream of water just prior to pushing out to the sprayer.

Considerations:

- The jetted stream provides the proper mixing of chemicals.
- Extends the life of transfer pumps by educting abrasive and corrosive chemicals downstream from the pump.

Hypro® Cleanload™ Chemical Eductor Onboard Sprayer Systems



The Hypro Cleanload is a self-contained eduction system that allows the operator to mix liquid and dry chemicals safely and quickly. The Cleanload is available in three different hopper capacities to suit a variety of applications:

- 4.5-gallon version provides convenient loading capabilities in a compact configuration
- 5.5-gallon version is the most compact full-feature model and will hold a full 20-35 pounds of dry material

All models feature a 316 stainless steel Venturi with eduction rates as fast as 1 gallon per second.

Notes: *Suction lance kit includes: 6' suction hose, 3' lance and O-ring sealed coupler. Allows for remote loading of liquid chemical and wettable powders without lifting containers.*

Part	Description
534932D1	4.5-Gal. (No Inlet Ball Valve, Bottle Rinse, or Suction Lance)
ACX3712070	7-Gal. Cleanload (w/Bottle Rinse, No Inlet Ball Valve or Suction Lance)
ACP0435420	ProClean™ Valve Assy w/HF Nozzle Upgrade
ACX4028770	Suction Lance Kit



GatorGuide

For onboard OEM-certified chemical eductor kits for RoGator and TerraGator, head to your dealer and grab a copy of AGCO's Field Install Kits & Accessories Catalog!

Hypro® Cleanload™ Max Chemical Eductor Nurse Trailer Systems



Maximize sprayer uptime. Cleanload Max 40 and 60 gal eduction system is an ideal solution for mixing and loading large amounts of liquid and dry chemical quickly and ahead of time. Cleanload Max can be stacked to have multiple chemistries measured and ready to load.

- Safe batch mixing and loading of liquid and dry chemicals
- 2" or 3" bypass eductor plumbing system allows for direct filling of sprayer tank when not educting chemicals.
- Extends the life of transfer pumps by educting abrasive and corrosive chemicals downstream of the pump.
- 40- or 60-gallon, full draining, cone-bottomed tank for a 20:1 ratio with 800- or 1,200-gallon sprayers.

40 Gallon	60 Gallon	Description
ACP0508420	ACP0508450	Cleanload Max, 2" Onboard System
ACP0508430	ACP0508460	Cleanload Max, 2" Transfer System
ACP0508440	ACP0508470	Cleanload Max, 3" Transfer System



Cleanload Max is compatible with the Chem-Blade CLM knife system.



CycloRinse and ProClean II Push Valve (ACP0435420) provides fast and effective rinsing of both liquid and dry chemicals and helps prevent cross-contamination of chemicals.



Cleanload Max was designed to be used as a stand-alone unit or with other Cleanload units and auxiliary components to fit your application needs.

Cone-Bottom Tanks



Cone-bottom tanks are selected when a more complete drainage of stored chemical is required in indoor or outdoor installations. Tanks require stands to support the conical bottoms. Tanks are manufactured from medium- or high-density polyethylene with UV inhibitors. Tank walls are translucent for level viewing and equipped with gallon indicators.

Notes: *3-year warranty. Additional freight charges may apply.*

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Stand Pairing	Part	Gallon	Angle	Dia.	H	Lid	Fitting
1	AG427407	150 *	45°	36"	51"	12"	2"
2	AG053361	200 *	45°	42"	55"	12"	2"
2	AG427408	300	45°	42"	67"	16"	2"
3	AG427409	345 *	45°	52"	58"	12"	2"
2	AG054427	350 *	45°	42"	81"	12"	2"
3	AG053260	500 *	45°	52"	81"	12"	2"
4	AG055312	1,000	45°	64"	98"	16"	2"
5	AG427410	1,200	15°	90"	62"	16"	2"
4	AG059043	1,490	45°	64"	132"	16"	2"
6	AG054428	1,600	30°	90"	85"	16"	2"
7	AG053227	1,700	15°	86"	85"	16"	2"
5	AG427411	2,500	15°	90"	111"	16"	2"
6	AG427412	2,600	30°	90"	123"	16"	2"
8	AG053349	2,600	45°	86"	146"	16"	2"
5	AG053229	3,000	15°	90"	128"	16"	2"
9	AG427413	4,600	15°	102"	155"	16"	2"
9	AG427414	4,900	15°	102"	159"	16"	2"
10	AG427415	6,900	15°	122"	168"	16"	2"
10	AG427416	8,250	15°	122"	195"	16"	2"

*Indicates flat top. All other listed cone-bottom tanks are dome top.

Cradles for Cone-Bottom Tanks

Tank Pairing	Part	Gallon	Angle
1	AG427417	150	45°
2	AG053362	200/300/350	45°
3	AG053261	345/500	45°
4	AG055310	1,000/1,490	45°
5	AG053230	1,200/2,500/3,000	15°
6	AG054430	1,600/2,600	30°
7	AG053228	1,700	15°
8	AG053350	2,600	45°
9	AG427418	4,600/4,900	15°
10	AG427419	6,900/8,250	15°

Instructions
Step 1: Select tank
Step 2: Select the tank's corresponding cradle by matching the pairing key number on the left

Example:
Step 1: 1,490 Gal AG059043 – **(4)**
Step 2: Pairs with – **(4)** AG055310

Cone-Bottom Rinse Tanks



Rinse tanks are manufactured from medium-density polyethylene with UV inhibitors and designed for containment of liquids of up to 1.7 specific gravity. Tank walls are translucent for level viewing and equipped with gallon indicators. All tanks have 1-1/4" fittings.

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Part	Gallon	W	L	H	Lid
AG053663	4	11"	11"	14"	8"
AG060632	5	11"	11"	19"	8"

Tractor-Mounted Tanks



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Tractor-mounted tanks are designed as portable (non-D.O.T. regulated) applicator tanks. Tanks require the bottom to be fully supported with a cradle for use. Gallon indicators are included and the tank walls are translucent for level viewing. Ends of tanks feature fitting flats to facilitate a variety of installation options. Bottoms of tanks feature a collection sump for full drainage. Tanks are manufactured from medium-density polyethylene with UV inhibitors and designed for containment of liquids of up to 1.7 specific gravity.

Notes: *All tanks have 3/4" and 1-1/4" fittings. All tanks are white in color unless otherwise specified. Picture shown is 250-gallon teardrop tank (AG427441) with cradle (AG427443). Additional freight charges may apply.*

Cradle Pairing	Part	Gallon	Description	W	L	H	Lid
	AG427440	300	Oval	31"	49"	56"	16"
1	AG427441	250	Teardrop	36"	52"	45"	12"
1	AG428998	250	Teardrop, Yellow	36"	52"	45"	12"
2	AG427442	300	Teardrop	36"	62"	45"	12"
3	AG060887	200	Cut-Away Applicator	24"	55"	46"	8"
4	AG060886	250	Cut-Away Applicator	24"	61"	51"	8"

Cradles for Tractor-Mounted Tanks

Tank Pairing	Part	Gallon	Description
1	AG427443	250	Teardrop
2	AG427444	300	Teardrop
3	AG060885	200	Cut-Away
4	AG060884	250	Cut-Away

Crop Care Tanks



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Crop care tanks are designed for OEM sprayer applications that contain chemicals rated for contact with polyethylene. Three hoop recesses are provided around the tank to facilitate installation and anchoring. Wide-bottom tanks are available with either a box-style or sloped-style sump on the bottom for withdrawal. Narrow-bottom tanks are cut out on each side to facilitate narrow track widths and are available only with a sloped-style sump. Tanks are furnished with polyethylene baffles for fluid control and a 5-gallon rinse tank. The tanks are manufactured from high-density polyethylene with UV stabilizers and are designed for liquids of up to 1.9 specific gravity. Tanks are shipped on returnable pallets. Fittings are shipped loose.

Notes: *All tanks have 16" lids and 2" fittings. Hoops are 2-3/8" pipes. Additional freight charges may apply.*

1	AG427428	1,000	Sloped Sump	58"	115"	47"
1	AG427429	1,000	Narrow Bottom w/Sloped Sump	58"	115"	51"
1	AG427430	1,000	Box Sump	58"	115"	47"
2	AG427431	1,250	Sloped Sump	58"	115"	57"
2	AG427432	1,250	Narrow Bottom w/Sloped Sump	58"	115"	61"
2	AG427433	1,250	Box Sump	58"	115"	57"
3	AG427434	1,500	Sloped Sump	58"	115"	66"
3	AG427435	1,500	Narrow Bottom w/Sloped Sump	58"	115"	70"
3	AG427436	1,500	Box Sump	58"	115"	66"

Hoops for Crop Care Tanks

Tank Pairing	Part	Gallon	Set Of
1	AG427437	1,000	3
2	AG427438	1,250	3
3	AG427439	1,500	5

Instructions
Step 1: Select tank
Step 2: Select the tank's corresponding cradle or hoop by matching the pairing key number on the left

Example:
Step 1: 250 Gal AG427431 **(2)**
Step 2: Pairs with – **(2)** AG427438

Cubetainer™ Stackable Tanks



Convert a stationary system into a portable storage system for point-of-use dispensing with either caster wheels or the addition of a forklift/ pallet jack pallet base.

- Constructed from Virgin High Density FDA-compliant polyethylene resin.
- Standard footprint with all sizes, making them stackable in any combination—No conversion brackets needed, for lower cost!
- Convenient center fill.
- Translucent tank and molded-in and inked level markers allow for visual level inspection without the need for external site gauges.

Part	Gallon
ACP0525570	120
ACP0525580	180
ACP0525590	260

Slimtainer™ with Stand and Drip Tray



Slimtainers™ are designed with space in mind. These stackable space-saving systems maximize valuable floor space in shops where a narrower footprint is required. Like our stackable Cubetainer systems, the Slimtainers™ will provide safe and efficient storage for a variety of bulk Class IIIB fluids, including oils, lubricants, hydraulic fluids, ATF and antifreeze—all within the narrowest tank footprint on the market! Stackable tanks are cleaner and more reliable than traditional oil drums and allow you to buy in bulk to reduce your total fluid expenses!

Part	Gallon	W	L	H
ACP0525600	120	64.5"	23"	56"
ACP0525610	120/120	64.5"	23"	84"

Cubetainer™ Pump Kit Options



Side Mount



Top Mount



Wall Mount

Pump Kits Include:

- 3:1 pump
- 50' hose reel
- Electronic non-preset meter dispensing nozzle
- Air filter regulator

Part	Description
ACP0525580	Top Mount
ACP0525590	Wall Mount
ACP0546850	1" Pump Inlet Plumbing Kit
ACP0546820	Side Mount Tank Bracket
ACP0546830	Universal Pump Bracket
ACP0546840	Universal Hose Reel Bracket

Cubetainer™ Stackable Tank Gravity Feed Systems

Complete stackable systems that can be ordered with one simple part number. Gravity Feed Systems include stackable tanks, stand with 24" legs, drip tray kit, brass spring valves and the gravity feed hose accessory package to complete all connections. Additional stacked combinations can be configured as long as combined stacked height is 82" or less from the stand base (not including the stand legs) to the top of the tank.

Double Stack Gravity Feed Systems

Part	Stack (Gallon)	Total Gallon	L	W	H
ACP0525450	80/80	160	36"	36"	65"
ACP0525500	80/120	200	36"	36"	74"
ACP0525520	120/120	240	36"	36"	83"
ACP0525550	120/180	300	36"	36"	95"
ACP0525560	180/180	360	36"	36"	108"

Triple Stack Gravity Feed Systems

Part	Stack (Gallon)	Total Gallon	L	W	H
ACP0525440	60/60/60	180	36"	36"	70"
ACP0525490	60/60/120	240	36"	36"	82"
ACP0525540	60/60/180	300	36"	36"	95"
ACP0525460	80/80/80	240	36"	36"	83"
ACP0525530	120/120/120	360	36"	36"	108"

Quadruple Stack Gravity Feed Systems

Part	Stack (Gallon)	Total Gallon	L	W	H
ACP0525430	60/60/60/60	240	36"	36"	83"
ACP0525470	80/80/80/80	320	36"	36"	100"

Pickup Tanks



Ace Roto-Mold
A DIVISION OF DEN HARTOG INDUSTRIES, INC.

Pickup tanks are selected as applicator tanks or when transportable (non-D.O.T. regulated) containment is required. Tanks are designed to fit most pickup trucks. Tanks are manufactured from medium-density polyethylene with UV inhibitors and designed for containment of liquids of up to 1.7 specific gravity. Tank walls are translucent for level viewing and equipped with gallon indicators. The distinct shape of the 205- and 305-gallon low-profile tanks allows for full use of truck bed space and improved rear vision.

- 205-gallon tanks fit in the following trucks: Ford Ranger, Dodge Dakota, Chevrolet Colorado, GMC Canyon, Toyota Tacoma, and Nissan Frontier.
- 305-gallon tanks fit in the following trucks: Ford F-150/250/350, Lincoln Mark LT, Dodge Ram 1500/2500/3500, Chevrolet Silverado 1500/2500/3500, GMC Sierra 1500/2500/3500, and Toyota Tundra.

Notes: *3-year warranty. All tanks have 2" fittings. Additional freight charges may apply.*

Part	Gallon	Dia.	L	H	Lid
AG053215	200	52"	30"		8"
AG427445	205	52"	52"	26"	7"
AG427446	305	60"	58"	30"	7"
AG053216	350	62"	34"		8"
AG053217	450	62"	41"		8"



Volumetric Vessels by Custom Roto Mold

Designed for accurate transfer of chemicals. Poly tanks have 2" top fill, 1-1/2" outlet, and 3/4" top vent.

Part	Gallon	Stand	W	H	Grad
AG055271	7.5		7.5"	54"	1/4 Gal.
AG056185	15	AG056182	10"	60"	1/2 Gal.
AG056184	30	AG056181	14.5"	58"	1/2 Gal.

Safety Tanks



FDA-approved, 9-gallon, fresh-water poly tank has a top recess with a hinged lid for storage of gloves, goggles, etc. A 3/4" spigot is also available. Molded inserts make mounting easy. Tank can ship UPS.

Part	Description
AG713677	Safety Tank
AG053014	Replacement Tank

Rectangular Poly Tanks



Ace Roto-Mold
A DIVISION OF DEN HARTOG INDUSTRIES, INC.

These tanks are the ideal size for many applications.

Note: *Additional freight charges may apply.*

Part	Description	Gallon	W	L	H	Lid	Fitting
AG060874	Rectangle	5	10"	22"	8"	5"	
AG060875	w/Pump Mount	6	12"	15"	8"	2"	
AG427447	Loaf	8	12"	16"	17"	5"	
AG053653	Rectangle	12	14"	12"	18"	5"	
AG054146	Rectangle	16	14"	21"	14"	5"	
AG427448	Loaf	19	12"	16"	28"	5"	
AG053651	Rectangle	20	11"	15"	31"	5"	1/2"
AG060673	Rectangle	26	18"	25"	19"	8"	3/4"
542854D1	Rectangle	45	18"	37"	22"	5"	
AG060879	Rectangle	50	19"	38"	23"	8"	1"
AG053649	Rectangle	55	18"	18"	45"	5"	1"
AG060878	Rectangle	68	26"	42"	17"	6"	1"
AG057717	Rectangle	80	18"	27"	44"	5"	1"
AG060214	Rectangle	100	27"	43"	29"	5"	1"
AG060877	Rectangle	150	36"	48"	29"	8"	1"
AG060876	Rectangle	200	36"	48"	38"	8"	1"
AG426546	Upright Rectangle	250	29"	62"	42"	16"	1-1/2"

AGCO PROTECTION

Extended Service Contracts



Extended Service Contracts for all AGCO brands.

Quality equipment isn't cheap. Protect your investment from the unexpected with our AGCO Protection Extended Service Contracts. Available for new and pre-owned equipment, with three options to choose from.

BASIC	975 APPROX PARTS COVERED
ENHANCED	1300 APPROX PARTS COVERED
ULTIMATE	3000 APPROX PARTS COVERED

Extended Service Contracts are backed by the financial strength of AGCO Corporation.

AGCO Your Agriculture Company

AGCO Protection is for a predetermined time frame and usage from the date of purchase if out of base warranty on date of purchase, or from the date the base warranty ends if under base warranty on date of purchase, whichever occurs first. Deductible may apply. Coverage is limited. Restrictions apply. Please see a participating dealer for restrictions and a full listing of the components covered by AGCO Protection plans. AGCO Corporation. AGCO is a trademark of AGCO. All rights reserved. 36858_F

Pest Control Operator (PCO) Tanks



Ace Roto-Mold
A DIVISION OF DEN HARTOG INDUSTRIES, INC.

PCO (Pest Control Operator) tanks can be selected for stationary or transportable (non-D.O.T. regulated) applications both indoors and outdoors. The tanks have a rounded bottom for best fluid drainage and a 2" deep sump option is also available. PCO tanks must be securely anchored for use in transportable applications and galvanized steel bands are available for this purpose. 300-gallon tank comes with an internal baffle for support and fluid control. The tanks are manufactured from medium-density polyethylene with UV inhibitors and designed for containment of liquids of up to 1.7 specific gravity. Tanks of 100 gallons and under have 1" fitting; 150- to 200-gallon tanks have 1-1/4" fitting; 300-gallon tank has 2" fitting.

Notes: *35-gallon straps are stainless steel; all others are powder-coated steel. Strap sets include two straps; customer supplies the 1/2" bolt to secure. Additional freight charges may apply.*

Strap Pairing	Part	Gallon	W	L	H	Lid
1	AG427449 †	35	16"	35"	21"	5"
2	AG726676 *†	50	19"	38"	23"	8"
2	AG726675	50	19"	38"	23"	8"
3	AG726674 *†	100	30"	38"	29"	8"
3	AG726673 †	100	30"	38"	29"	8"
4	AG427450 *	150	37"	48"	29"	12"
4	AG427451	150	37"	48"	29"	12"
5	AG726672 *	200	37"	48"	38"	12"
5	AG726677	200	37"	48"	38"	12"
6	AG427452 *	300	37"	69"	40"	16"
6	AG427453	300	37"	69"	40"	16"

* With Sump † UPS Shippable

PCO Strap Sets

Tank Pairing	Part	Gallon
1	AG427454 **†	35
2	AG427455	50
3	AG427456 †	100
4	AG427457 †	150
5	AG427458 †	200
6	AG427459 †	300

** Stainless Steel † UPS Shippable

Instructions
Step 1: Select tank
Step 2: Select the tank's corresponding strap set by matching the pairing key number on the left
Example:
Step 1: 150 Gal AG427451 **(4)**
Step 2: Pairs with – **(4)** AG427457



GatorGuide

Achieve greater freight savings with truckload tank orders! (A truckload is generally 20,000 gallons of tank volume.) See your dealer to arrange freight.

To find your nearest dealer or to order, go to parts.agcocorp.com


Helping Farmers
REDUCE OPERATING STRESS
FENDT
RAVEN
Raven's Path to Autonomy is your journey to more efficiency.
Including the next level of tech in your operation today prepares you for driverless ag, while also helping you get more done every day.
The best part?
Raven's autonomous tech gives you the tools you need to effortlessly spray. It makes your sprayer more effective by automatically taking on the hardest parts of operating. It starts with basic rate monitors, grows through individual nozzle controls, and expands into environment-based sensing technology that takes stress out of the equation. With our Operator Assisted Autonomy technology, you can drive without worrying about damaging your crops or your equipment:
VSN® Visual Guidance System automatically protects your crops by using a camera to steer around your planting, from four inches to full canopy.
AutoBoom® XRT consistently keeps your booms at the right height by sensing ground and crop and adjusting accordingly.
If you're running a connected operation but want more freedom to monitor your success in real-time, Operator Assisted Autonomy will take you to that next level on your Path to Autonomy journey. See how this technology equips and prepares you for a fully autonomous farming future by visiting www.pathtoautonomy.com.
RAVEN



Viper 4+® Field Computer



The Viper 4+ integrates with Raven's full line of products into one networked platform that offers a capacitive touch screen and an intuitive, tablet-style interface with swiping features and horizontal or vertical orientation. Customize your Viper 4+ by user and machine—it works with equipment of every brand. Easy job setup, fewer touches, and greater efficiency allow for extraordinary data management capabilities.

Features and Benefits:

- Customization by user and machine
- Horizontal or vertical orientation
- Sleek design with 12.1" responsive touch screen and intuitive, tablet-like interface and state-of-the-art rugged magnesium alloy enclosure
- Dustproof for tough environments
- Four camera inputs for monitoring bin levels, blind spots, roadway operation and more
- Customizable user interface
- Set up machine and product profiles
- ISOBUS compatible
- Wireless over-the-air software updates
- VT with task controller capabilities
- On-screen implement location with section status

Part	Description
524334D1	RAM Mount Arm
71408379	RAM Mount Ball
AG428841	Cable/Adapter Viper Pro to Viper 4+
ACW6683110	Raven Viper 4+, Multi Variable Rate and ISO Section Control Unlocks

Raven CR7™ Field Computer



The CR7 is a 7" lightweight field computer with customizable in-job layouts.

Raven CR7 Displays (Displays Come with RAM Mount)

Display Only	w/500S GPS	Description
AG430290	AG429802	Base - No Unlocks

Raven CR7 Display Unlocks

Part	Description
AG430029	Universal Terminal (UT) Unlock for ISO Content
AG429996	Task Controller (TC) Unlock (Requires AG430029 First)
AG429997	Single Product Unlock
AG429998	Multi-Product Unlock (Requires AG429997 First)
AG429999	Combo VRA Unlock (=AG429997+AG429998)

Raven CR7 Accessories

Part	Description
AG429894	Cable: Console CR7 Auxiliary I/O
AG429895	Cable: External Receiver to CR7
ACP0518100	Cable: GPS Out / RTK In
AG430032	CR7 to 500S Cable (Included in Above Kits w/500S)

Raven 700S Receiver



A fully scalable GNSS smart antenna and high-performance dual frequency GL1DE™ receiver to enhance the performance of your precision operations.

Part	Description
Kits	
ACW857594A	SBAS Kit
ACW857635A	GS Pro Kit
AG430261	RTK Kit
Upgrades	
AG430265	SBAS to GS
AG430266	SBAS to RTK
Cables and Brackets	
AG430005	20' 600S/700S Cable
AG430124	CR7 600S/700S Cable
AG430268	700S to 8P Deutsch DT CBL
AG430267	700S Mounting Bracket
Antennas	
AG430262	SBAS Antenna
AG430263	GS Antenna
AG430264	RTK Antenna

Fuse Guide RS1 Kits



Combines autosteer, GPS, and Slingshot® into one intuitive, easy-to-use unit. Incredible accuracy at both high and low speeds with quick line acquire improves efficiency and gives you the power to cover more acres in a day. The unit is designed with a simple setup and integrated help guides, enhanced further by Slingshot—providing remote support, file transfer, OTA software updates and fleet management and logistics.

Features and Benefits:

- Enhanced steering performance in a wide range of terrain
- Enhanced 3D compensation for rugged terrain
- Fully-scalable GPS solution
- Remote service support (OTA updates, remote service, telematics)
- Multiple methods of system connectivity (Cellular, Wi-Fi, Ethernet)
- Serial GPS output (NMEA 0183) or simulated radar output
- Compatible with ISOBUS 11783 curvature messages for both ISO steer ready and Raven aftermarket steering controllers

Part	Cell Antenna	Modem	Accuracy Unlock	Steering Unlock
AG429824	NO	NO	NO	NO
AG429825	NO	NO	NO	YES
AG429826	NO	NO	GS	NO
AG429828	NO	NO	GS	YES
AG429827	NO	NO	RTK	NO
AG429829	NO	NO	RTK	YES
AG429818	NO	YES	NO	NO
AG429823	NO	YES	NO	NO
AG429820	NO	YES	GS	NO
AG429819	NO	YES	RTK	NO
AG429822	NO	YES	RTK	YES
AG429814	YES	YES	NO	NO
611303D2	YES	YES	SBAS	YES
AG429813	YES	YES	GS	NO
611306D2	YES	YES	GS	YES
AG429816	YES	YES	RTK	NO
AG429817	YES	YES	TRK	YES
International RS1 Kits for Canadian Market				
AG430081	NO	YES	NO	NO
AG430082	NO	YES	NO	YES
AG430079	YES	YES	NO	YES
608779D2	YES	YES	GS	YES
AG430078	YES	YES	RTK	YES

RS1 Installation Kits

Part	Description
AG429808	RoGator C & TerraGator C Series
AG429803	RoGator 1300B
AG429805	RoGator All Other B Series
AG430274	RoGator A Series
AG429809	TerraGator 8400B
AG429807	TerraGator 73/83/93 B Series
AG429804	TerraGator 73/83/93
AG429806	Massey/Challenger MT600C/D/E
AG429810	Kit, Roof, RS1, AGCO Tractors
AG429811	Kit, Roof, RS1, AGCO Applicators

Add-On RS1 Unlocks and Upgrades*

See Dealer for additional unlocks and receiver accuracy upgrades.

Features and Benefits:

- Enhanced steering performance in a wide range of terrain
- Enhanced 3D compensation for rugged terrain
- Wide temperature range for inertial sensors (-40 to 70 deg. C)
- Simplified field calibration procedure
- Fully scalable GPS solution
- Enhanced diagnostics and health tests
- Remote service support (OTA updates, remote service, telematics)
- Multiple methods of system connectivity (cellular, Wi-Fi, Ethernet)
- Serial GPS output (NMEA 0183) or radar output
- Compatible with ISOBUS 11783 curvature messages for both ISO steer-ready and Raven aftermarket

**All RS1 unlocks and upgrades must be activated by filling out the information within the wufoo form found at https://oneagcoportal.wufoo.com/forms/k1cmzl4r1seqfyy/. This will result in the creation of a Slingshot account that can be used for upgrade renewal purposes.*



SC1—Steering Control Solution

SC1™, coupled with a Raven field computer and GPS solution of your choice, is designed to provide cutting-edge, hands-free machine steering. Incredible accuracy at both high and low speeds with quick line acquire improves efficiency and gives you the power to cover more acres in a day. With functionality and user interface similar to the RS1, the unit is designed with a simple setup and integrated help guides. The compact ECU can easily be installed in the cab and out of sight. Compatible with Viper® 4/Viper® 4+ with or without internal GPS, and CR7™ and CR12™ field computers.

Features and Benefits:

- Utilizes external Raven/third-party GPS/GNSS system
- Single product node footprint with temperature-compensated interials
- Similar steering performance—enhancing benefits, functionality and user interface to RS1
- Installs in cab—out of sight
- Direct interface for ISO valve
- Machine-specific tune sets
- Compatible with Viper® 4/Viper® 4+, CR7™ and CR12™ field computers
- Can upgrade to Slingshot® with additional hardware or GPS/GNSS solution
- Compatible with ISOBUS 11783 curvature messages for both ISO steer-ready and Raven aftermarket steering controllers
- Ability to configure third-party radio on field computer; tested and supported solutions include 450/900 MHz AG715 radios

SC1—Steering Control Kits

Part	Description
AG429934	Kit SC1 RoGator C
AG429935	Kit, SC1, RoGator B
AG429936	Kit, SC1, RoGator B Series, MY 15
AG430273	Kit, SC1/HDU Steering-Ready Install, RoGator A Series
AG429968	Kit, Install, SC1, TerraGator, 7300/8300/9300 B Series, MY15
AG429969	Kit, Install, SC1, TerraGator, 8400B, MY16+
AG429970	Kit, Install, SC1, TerraGator, 8400B, MY15
AG429971	Kit, Install, SC1, TerraGator, 7300/8300/9300 B Series, MY16+
AG430555	Kit, Fuse Starfire Receiver Guidance Completion Kit, Fendt Rogator 900
ACP0806840	Kit, Fendt 1000 Series VarioGuide, CR12/VIPER 4
Coming Soon	Kit, Fendt 1000 Series VarioGuide, CR7

Fuse Vision™ Row Guidance System





Fuse Vision™ transforms machine guidance through emerged crops. This patent-pending innovation utilizes a non-contact stereo vision camera to navigate crop rows, allowing the operator to focus on all other aspects of effective application control. Minimizing crop damage, covering more acres in a day, and essentially providing an easier machine operation leads to a quick return on investment to maximize yield profitability.

Features and Benefits:

- Enhanced machine control for sprayer efficacy
- Reduces operator fatigue and crop damage
- Uses state-of-the-art image sensor and processing technologies to deliver quick response rate and better control
- Fuse Vision™ mode to fall back to GPS when minimum confidence internal is not met
- Live video row overlays in ROS platform
- In-field calibration
- ISO UT user interface, custom control widgets
- Slingshot® telematics and software update support
- Navigates emerged corn, soybeans, cotton, and sorghum
- Crop height range 4 inches to approx. 90% canopy
- Row spacing 30-40 inches
- Weed coverage <30%

Performance:

- Vehicle speeds up to 20 mph
- Grades up to 4 degrees
- Cross winds up to 15 mph

Note: *See your local AGCO Application dealer for more information on upgrading your new or used application or row crop machine with Visual Row Guidance.*

Fuse Vision Row Guidance Installation Kits

Part	Description
AG430221	RoGator A/B Series
AG430222	RoGator C Series (Prior to July 2021)
AG430500**	RoGator C Series Model Year 2022
ACW956744A	Fuse / Fendt Vision Camera
AG430556	Fendt/Challenger Tractors
ACP0833280	V4+ to NT01 VSN Video Splitter Harness

** For MY22 C-Series RoGators and beyond. Includes Vision Camera and all necessary componentry to complete install. See Parts Books for install components on Fendt Rogator.

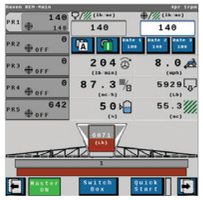
Fuse Rate Control Module (RCM)



The Fuse Rate Control Module is your solution for every season. The RCM is an ISOBUS product controller that can control up to five products in one ECU for both liquid and dry applications. AGCO is excited to offer ISO implement kits using the RCM. These kits extend ISO capability and seamless implement control (via various AGCO, aftermarket, and other OEM terminals) to several non-ISO implements that otherwise would require a separate electronic system and display. Depending on the implement, the RCM kit provides rate and section control and as-applied coverage data recording. Recorded data from the RCM can also be wirelessly transferred using Task Doc Pro.

RCM Product Kit Features:

- Compatible with most ISOBUS displays, including:
  - Fendt Vario Terminal
  - Challenger Accuterminal
  - Massey Ferguson FieldStar 5
  - Raven Viper 4(+)
  - CR7
  - CR12
  - Cnh Pro700/Intelliview IV
  - JD 2630/Gen4 Displays
- Intuitive user interface and diagnostic features
- Easily navigate and manage multiple products, tallies, and sensor data
- Diagnostic features:
  - Tests/reading available to easily calibrate, tune and troubleshoot system
  - Tri-colored LED indicators reflecting power, system and connectivity status
- Customizable user interface provides flexibility to control specific product details
- Unmatched machine/implement transferability:
  - Saves up to eight machine profiles
  - Moves between machines/implements w/o resetting configurations
  - Integrated magnet mount option attaches easily to any metal frame
- Dynamically configure run screen based on operator preferences to show most relevant data during operation



Application Control Benefits:

- Bulletproof—design emphasizes quality, durability, confidence in application accuracy
- Advanced diagnostics and tests enable ease of system calibration/tuning/troubleshooting
- Advanced control algorithms provide unparalleled rate control and simplified tuning
- ISOBUS compatible for use with ISOBUS universal terminal and task controllers
- Setup wizard guides operator through setup and calibration process with integrated help content

Fuse OptiPulse™ Control System

Fuse OptiPulse™ is the most accurate nozzle control system in the industry. Up to 3.5 times more accurate out of the tip than comparable systems; Fuse OptiPulse™ offers complete consistency across the boom—reducing drift and increasing application quality. Additionally, individual nozzle control and turn compensation eliminate skips and overlaps.

Key Benefits:

- Optimizable operating range of selectable PWM frequency, from 5-20 Hz.
- Enhanced diagnostics with simplified LED light and blockage detection per nozzle.
- Robust cabling offers increased durability, power reduction and diagnostic abilities.

The OptiPulse Advantage:

- Up to 3.5 times more accurate out of the tip than comparable systems.
- Consistency across the boom ensures precise droplet coverage, optimizing input costs.
- Raven's legacy of performance and support means less downtime and more acres covered in a day.
- Scalable platform sets up your operation for years of success.

Note: *See your local AGCO Application dealer for more information on upgrading your new or used RoGator with OptiPulse Control. Kits come boxed with the required number of left-hand nozzle bodies. Some positions may need to be swapped out with right-hand nozzle bodies from dealer inventory.*

Fendt OptiPulse Control Aftermarket Install Kits / RCM Upgrades

Fuse OptiPulse Control is the most accurate nozzle control system in the industry. Up to 3.5 times more accurate out of the tip than comparable systems, OptiPulse boasts consistent spray droplet control across the boom, enhancing drift control and application quality. Additionally, enjoy individual nozzle control and turn compensation offered with Fuse OptiPulse Control HD, eliminating skips and overlaps.

Key Benefits:

- Optimizable operating range of selectable PWM frequency, from 5-20 Hz
- Enhanced diagnostics with simplified LED light and blockage detection per nozzle
- Robust cabling offers increased durability, power reduction and diagnostic abilities

The OptiPulse Advantage:

- Up to 3.5 times more accurate out of the tip than comparable systems
- Consistency across the boom ensures precise droplet coverage, optimizing input costs
- AGCO's legacy of performance and support means less downtime and more acres covered in a day

Kit Guide Legend

- Fendt Rogator 900 Series
- Fendt Rogator with Millennium Boom
- Massey Ferguson 500 Series
- RoGator C Series
- RoGator A/B

Nozzle Count Reference

(Count varies between On vs. Off-Center booms. Use as a rule of thumb.)

	90′	100′	120′	132′
20″	54	60	72	80
19″		63	75	83
15″	71	79	95	107
10″			143	

* Kits come boxed with required number of LH nozzle bodies already. Some positions may need to be replaced with RH bodies.

** 20" spaced kits on Fendt Rogator 900 series configured with Fendt OptiPulse out of the factory can be upgraded to Fuse OptiTwin high flow configuration. Upgrade kits include all parts needed to complete upgrade install. If upgrading from OptiStop, contact Fuse Advisor Hotline.

*** High Flow Kits for C-Series still ship with Wilger Nozzle Bodies. These kits do not contain harnessing for ProStop-E. See Parts Books for ProStop-E replacement harnessing.

These options are available through the factory as an AGCO designed harness solution; however, if Nozzle Control Ready is used from the factory, these Raven harness designed kits can be used to dealer install an OptiPulse system.

‡ FTRG OptiTwin kits ship with OptiTwin Zip Valve and OptiTwin Nozzle Bodies. Nozzles on Fendt Rogators with 15" Spacing are oriented On-Center. Product recovery and in-feed Flanges in the center pipe cross interfere with the OptiTwin nozzle assembly; therefore, factory center pipe and product recovery hose will need to be replaced with components below. These parts **will not be** included in Batavia OptiTwin kits, and need to be ordered separately. ***See 15" OptiTwin Nozzle Bar Modification.***

Fuse OptiPulse Control Installation Kits*

	90′	100′	120′	132′
20″ OptiPulse		Factory Option Available		
	AG430526	ACP0695980¶	ACP0695990¶	ACP0696000¶
	AG430383	AG430382	AG430381	AG430380
	AG430576	AG430451	AG430450	
		AG430577	AG430573	
20″ High Flow / OptiTwin***		Upgrades From Fendt OptiPulse**		
		AG430533 ‡	AG430534 ‡	AG430535 ‡
	AG430379	AG430378	AG430377	AG430405
19″ OptiPulse		AG430528	AG430530	AG430532
		AG430386	AG430385	AG430384
		AG430452		
15″ OptiPulse	AG430525	AG430527	AG430529	Call
		AG430388	AG430387	
		AG430492		
15″ High Flow / OptiTwin***		AG430541 + AG430543 ‡	AG430531 + AG430536 ‡	
			AG430426	
10″ OptiPulse			AG430574	
			AG430461	

Fuse OptiPulse Control Upgrades**

Part	Description
AG430390	OptiPulse to OptiPulse HD Upgrade *(Also works for upgrading Hawkeye 2 RCMs)*
AG430547	RCM Sprayer to OptiPulse Upgrade
AG430548	RCM Sprayer to OptiPulse HD Upgrade

** After placing the order, these RS1 unlocks, upgrades, and Satellite GS Subscriptions must be activated by filling out the information within the Fuse GTM form for Raven, found on the dealer portal at the Fuse Upgrades and Subscriptions Page.

Fendt OptiPulse Control Wear and Service Parts

OptiPulse Miscellaneous Parts

Part Number		Description
AG429154		Raven Service Tool—Incl. Converter, 4-Pin Dt Plug & Receptacle, 9-Pin Dt Plug (Rev B Only), and Terminator
AG430489		OptiPulse Universal Nozzle Tool
ACP0707520		OptiPulse Harness Repair Kit, 8 Pin Ampseal
ACP0646350 *		Section Control Remote 2.0*
AG430560 **		Fendt Rogator OptiPulse / OptiTwin System Service Kit
AG430403		OptiPulse Diagnostic Kit (Incl. shown quantities below)
ACP0707530	1	Diagnostic Cable, 19 Pin Boom Signal Breakout (-105 Cable)
AG430493	1	NCV CAN Diagnostic/Rescue Cable (-109 Cable)
ACP0793140	2	Jumper, 19 Pin, CAN In/Out
ACP0793150	2	Jumper, 8 Pin Ampseal, CAN In/Out
ACP0793160	1	Cable, Diag. 8 Pin NCV Signal Breakout (-104 Cable)
ACP0806160	1	Triple H Bypass Repair Harness (up to 20") (-160 Cable)

* Section Remote Control 2.0 incompatible with Fendt Rogator 900 liquid systems. Only compatible with RoGator C-Series.
** Contains Item #1 and ACP0576950 below, as well as AG430489, ACP0793150, and ACP0806160 above.

5-Way Nozzle Bodies*

Part Number	Description
AG429830	LH 1" 5-Way EPDM
558675D1	RH 1" 5-Way EPDM

*NCV Not included.



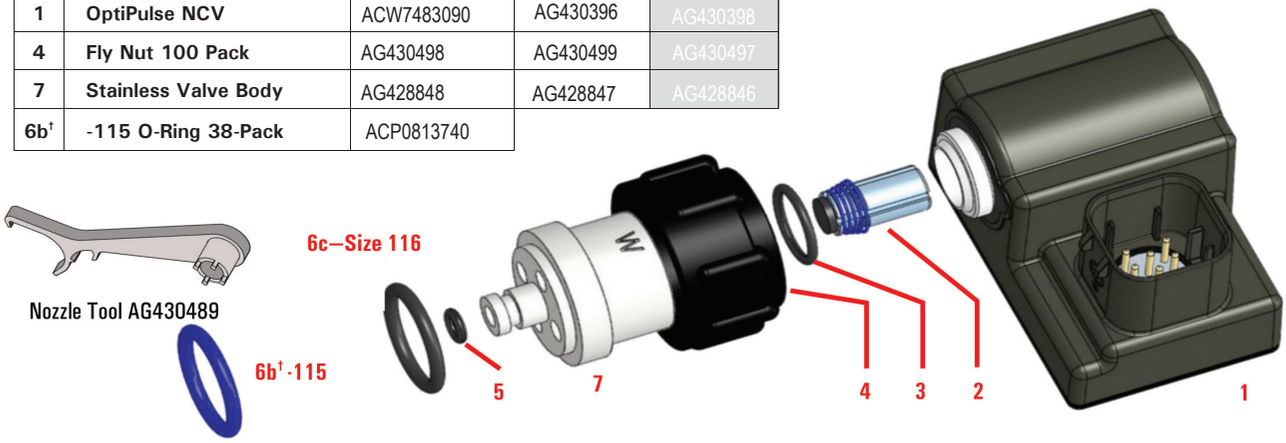
Fuse OptiPulse Kit NCV Service Components

Ref	Description	Single QTY	Bulk QTY (100)	Bulk Qty (100) Severe Duty	NCV2 Maintenance Kit** (Also Includes AG430489)
2-6c	NCV Service Kit, TeeJet**	ACP0578620	ACP0578660 *	ACP0578700 *	AG430401
2-5,6b	NCV Service Kit, Fendt†/OptiTwin†	ACP0578650	N/A	ACP0578710 *	AG430400
2-6c	NCV Service Kit, Wilger	ACP0578640	ACP0578680 *	ACP0578720 *	AG430399

* Bulk Kits do not include Fly Nut (Item #4).
** Each OptiPulse Install Kit is shipped with NCV2 Maintenance kit, which also includes 12V Relay (x2), 15 AMP mini fuse (x2).
† Current Fendt Rogator OEM factory install uses O-Ring item 6b. Order O-Ring Pack 6b below for OEM factory specification and install.

Fuse OptiPulse NCV Valve Components

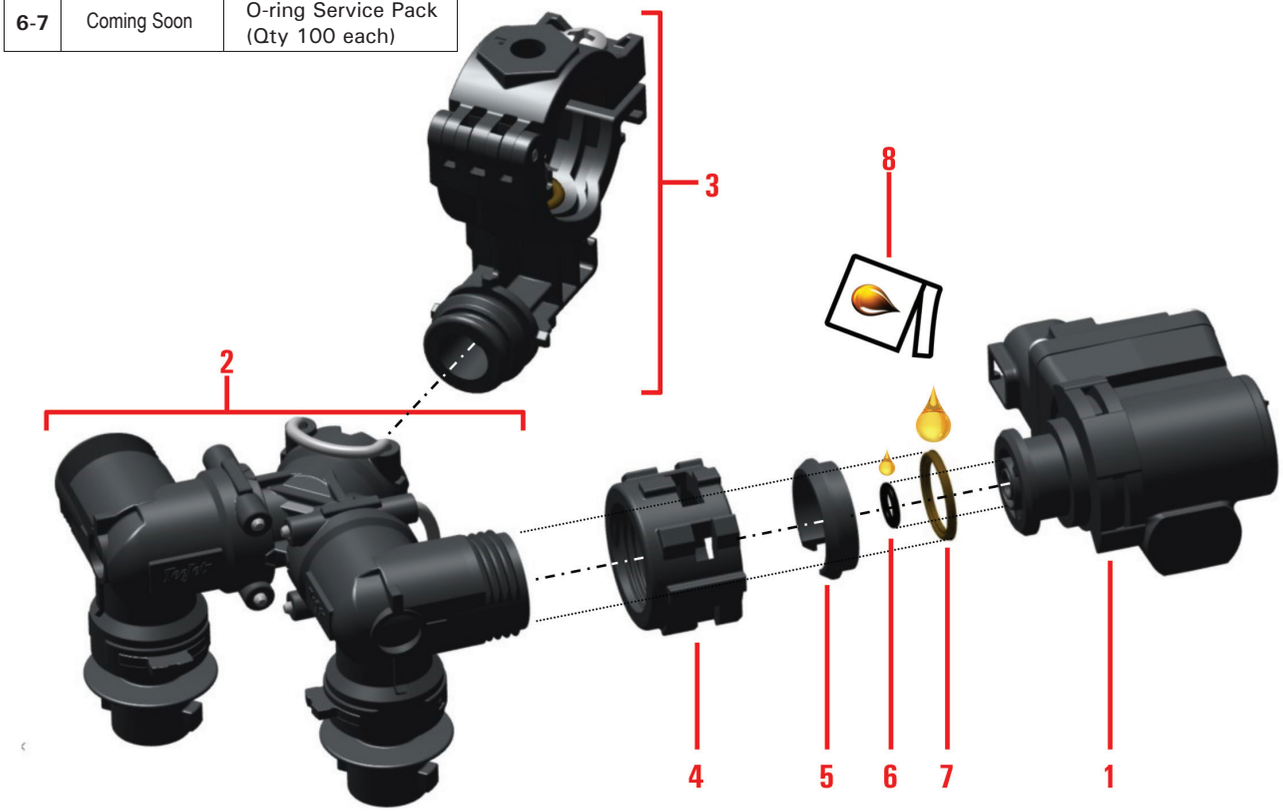
Ref	Description	Fendt	Wilger	TeeJet**
1	**OptiPulse NCV**	ACW7483090	AG430396	AG430398
4	**Fly Nut 100 Pack**	AG430498	AG430499	AG430497
7	**Stainless Valve Body**	AG428848	AG428847	AG428846
6b†	**-115 O-Ring 38-Pack**	ACP0813740		



To find your nearest dealer or to order, go to parts.agcocorp.com

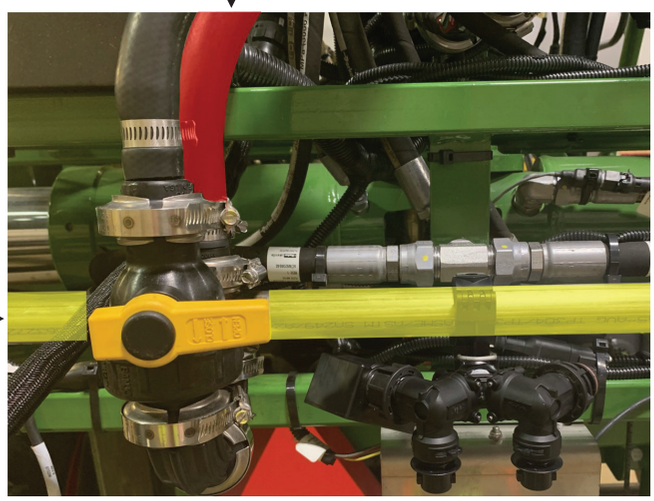
OptiTwin Service Parts

OptiTwin Nozzle Parts		
Ref	**Part Number**	**Description**
1	ACP0665400	OptiTwin Zip Valve
2,3	AG430491	OptiTwin Nozzle Body (Assembled)
3	ACX2621990	OptiTwin Nozzle Body Replacement Nozzle Clamp
4-8	AG430572	Nozzle Nut Service Kit (Qty 1)
6-7	Coming Soon	O-ring Service Pack (Qty 100 each)



15" OptiTwin Nozzle Bar Modification	
Part Number	**Description**
ACX3340990 ‡	1"ID Hose (15" Cut Needed to Complete Proper Install)
ACX3711840 ‡	Center Nozzle Bar for 15" On-Center OptiTwin Configuration

‡ Nozzles on Fendt Rogators with 15" Spacing are oriented On-Center. Product recovery and in-feed Flanges in the center pipe cross interfere with the OptiTwin nozzle assembly, therefore factory center pipe and Product Recover Hose will need to be replaced with components below. These parts **will not be** included in the Batavia OptiTwin kits, and will need to be ordered



Old Wilger Hawkeye Kit Nozzle Body Serviceable Components

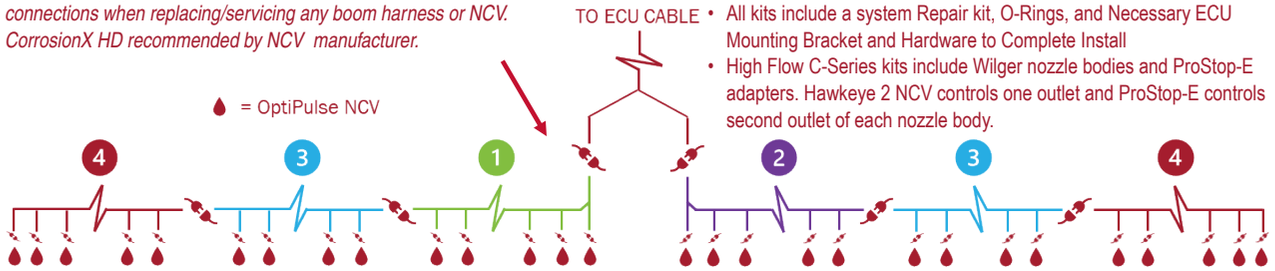
C-Series ONLY Hawkeye High Flow Nozzle Body Assemblies

Center Section	Boom Section	Ref.	Part	Description
		A	AG430167	Plug
		B	AG430163	Center Inlet Body
		C	AG430162	End Nozzle Body
		D	AG430165	Wilger -> TeeJet
		E	AG430159	Wing Section Saddle
		F	AG430164	Wing Through Body
		G	AG430166	Wilger -> eStop

Fendt OptiPulse Control / OptiTwin Harnessing

Be sure to apply aerosol dielectric anti-corrosion inhibitor to electrical connections when replacing/servicing any boom harness or NCV. CorrosionX HD recommended by NCV manufacturer.

- Not All Connections Shown
- All kits include a system Repair kit, O-Rings, and Necessary ECU Mounting Bracket and Hardware to Complete Install
- High Flow C-Series kits include Wilger nozzle bodies and ProStop-E adapters. Hawkeye 2 NCV controls one outlet and ProStop-E controls second outlet of each nozzle body.



OptiPulse Replacement Boom Cabling for Rogator A/B/C Series and Fendt Rogator**

Ref.	Section	All Numbers Start with "ACP"	90'x15"	90'x20"	100'x15"	100'x19"	100'x20"	120'x10"	120'x15"	120'x19"	120'x20"	132'x19"	132'x20"
1	Inner L		0617350	0617390	0617350	0696160	0617390	0696120	0617420 *	0646360	0617460	0646360	0646400
2	Inner R		0617360		0617360	0696170		0696130	0617430 *	0646370		0646370	
3	Mid		0617370	0617400	0617370	0696180	0617400	0696140	0617440 *	0646380	0617470	0696100	0646410
4	Outer		Call	0696200	0617380	0696190	0617410	0696150	0617450 *	0646390	0617480	0696110	0646420

Fuse OptiTwin Boom Cabling for Fendt Rogator**

(ALL #s start with 'ACP')			Inner L	Inner R	Mid	Outer
Section	Power	Tree L/R	1	2	3	4
100'x15"	0826590	0826600	0843540	0843530	0843510	0843520
120'x15"			0826610	0826620	0826630	0826640

** These tables show serviceable harnessing for aftermarket installed kits. If Fendt Rogator 900 came fitted from factory with PWM technology, use Parts Book to reference Boom Harnessing, **NOT THESE TABLES!**

Fuse OptiPulse Diagnostic LED Reference

LED Indicator	Rate	Color	State
Flashing	1 Hz	Green	NCV2 ready to apply
		Yellow	NCV2 missing calibration or an active DTC
		Red	Lost communication between RCM-Sprayer ECU and NCV2 or NCV2 has less than 9V high current power
		Blue	NCV2 has not claimed a CAN address or no CAN communication received by the NCV2
	4 Hz	Green	NCV2 commanded to apply
		Blue	NCV2 CAN channel errors
	5 Hz	Red	NCV2 in bootloader mode
Solid	-	Blue	CAN pass-through disabled
		White	NCV2 is selected on the UT NCV2 info page
Off	-	-	No power

OptiTwin Zip Valve Diagnostic LED Reference

Opening actuator voids OptiTwin zip valve warranty!

LED Indicator	Rate	Color	State
Flashing	0.8 Hz	Green	Device in secondary open state.
	2.8 Hz	Red	Device in error state.
Alternating	2.8 Hz	Red / Green	Device in signal error state.
Solid	-	Green	Device in primary open state.
		Red	Device in the closed state.

Hawkeye Gen 1 Service Parts / Diagnostic LED Reference

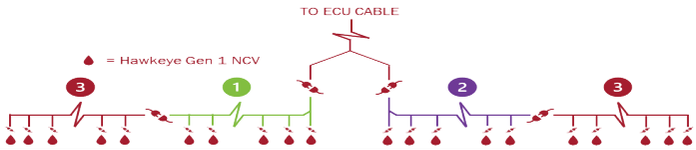


Hawkeye Gen 1 Service Parts

Part Number	Description
AG428784	Hypro/Arag Hawkeye Gen 1 NCV
AG428785	Wilger Hawkeye Gen 1 NCV
AG429154	Raven Service Tool
ACP0696220	Boom Harness Diagnostic Cable

Hawkeye Gen 1 NCV Maintenance Kits

Description	Hypro/Arag	Wilger
Standard	AG428825	AG428827
Severe Duty 100 Pack	ACP0578710	ACP0578720
Standard Duty 100 Pack	AG430009	
Fly Nut 100 Pack	AG430498	AG430499



Hawkeye Gen 1 Replacement Boom Cabling

Ref.	Section	90'x15"	90'x20"	100'x15"	100'x20"	120'x15"	120'x20"
1	Primary Left	AG430142	AG430128	AG430142	AG430128	No Longer Available	AG430098
2	Primary Right	AG430149		AG430149			
3	Secondary L/R	Call	AG430130	AG430144	AG430129	AG430139	ACP0380950

LED Indicator	Rate	Color	State
Flashing	1 Hz	Green	Ready. If in actuating mode, the NCV is ready but requires calibration.
		Blue	Actuating Mode (Auto)
		Red	Loading New Software
		Amber	Alarm Active
	5 Hz	Amber	No ISOBUS Communication
Alternating	1 Hz	Blue / Green	Actuating Mode (Manual)
		Green/ Magenta	Not Calibrated – Switch Input High
		Red/Magenta	Not Calibrated – Switch Input has not changed
		Amber/Red	No ECU Detected or Invalid ISO Name
		Amber/Green	Ready – Warning Alarm Active
		Amber/Blue	Actuating Mode – Warning Alarm Active
Solid	-	Any	NCV Failure

Fendt OptiStop Control Aftermarket Install Kits

Fuse OptiStop Control is the aftermarket solution to the factory-built Nozzle Control Ready (NCR) option. When NCR is ordered from the factory it includes all of the plumbing with the proper spaced holes drilled in the stainless steel pipe. It does not contain the nozzle body, nozzle control or any of the electrical to provide the control. The below kits allow a dealer stock unit to be ordered as NCR and then fit the proper control solution at the dealership once the unit is retailed to a customer.

OptiStop provides consistent spray droplet control across the boom based on the nozzles selected. Additionally, enjoy 35/36 section control based on the nozzle spacing to eliminate skips and overlaps. This is the most accurate base level control system on the market offered at the most cost effective price.

Key Benefits:

- 35-section control for 10" & 15" nozzle spacing
- 36-section control for 20" nozzle spacing
- Cost-effective base pricing
- Simple ball valve operation, no nozzle body check valves that continue to dribble product
- Fast 0.3-second cycle time from On/Off
- Minimal repair costs

Kit Guide Legend
Fendt Rogator 900 Series
RoGator C Series

Nozzle Count Reference
(Count varies between On vs. Off-Center booms. Use as a rule of thumb.)

	90′	100′	120′
20″	54	60	72
15″	71	79	95
10″	107	119	143

Fuse OptiStop Control Installation Kits*

	90′	100′	120′
20″ Hypro		ACP0886300	ACP0886280
	594113D1	594116D1	594119D1
15″ Hypro		ACP0886310	ACP0886290
	594112D1	594115D1	594118D1
10″ Hypro	564111D1	594114D1	594117D1

*OptiStop kits ship with the necessary nozzle body count, control valves and jumper cables. Includes boom harness and section control module for product control.

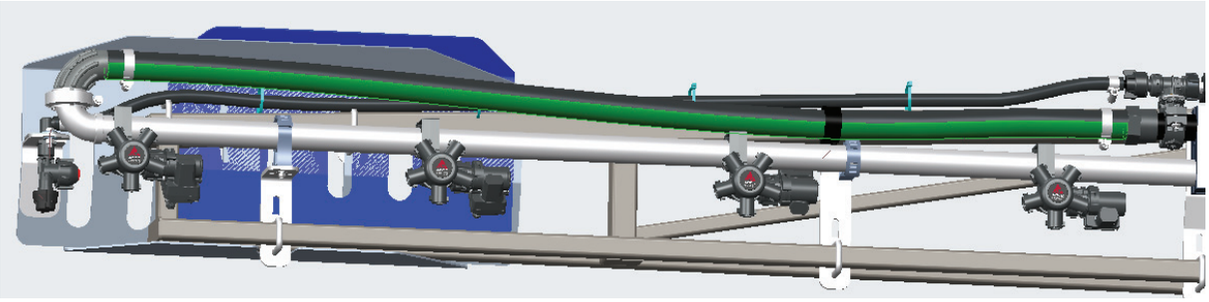
15” Nozzle Spacing Boom Extension Kits

15” Nozzle Spacing Boom Extension Kits | To better align with today’s practices and the desire to stay on planter tracks, an extension kit has been developed that will extend the boom plumbing and allow for 97 nozzles instead of 95 on a 120’x15” configuration. Kits are available for Opti-Stop, OptiPulse and OptiTwin configurations.

15″ Nozzle Spacing Boom Extension Kits*

	OptiStop	OptiPulse	OptiTwin
15″ Extension Kit	ACP0886250	ACP0886260	ACP0886270

*Boom extension kits ship with a 6 hole stainless steel pipe, longer return line hose (green), longer fence row hose (black), new boom pipe protection plate (light blue), nozzle bodies and cables if necessary.



To find your nearest dealer or to order, go to parts.agcocorp.com

CapstanAG PinPoint III Envelop

Pinpoint III is an ISOBUS rate and swath control system. This gives your sprayer the ability to vary the application rate out of each nozzle and shut them off individually, saving the operator time and money, providing the perfect spray every pass. ISOBUS integrated rate and section control with market-leading performance.

Features and Benefits:

- Highest flow capability in the market
- Compatible with Spot-Spray cameras
- Individual nozzle overlap and turn compensation
- Easy drop-nozzle setup for sidedress
- Preset boom profiles
- Programmable variable flow by nozzle
- Smart phone software updates and system controls
- Supports custom nozzle spacing
- Use your existing ISOBUS display!



How to Order:
Choose your Chassis Kit
+

PinPoint III	Chassis Kits
Fendt	ACP0984410
RG-C Series	ACP0984400
RG-B Series	ACP0984420

PinPoint III Boom Kits with 5-way Nozzle bodies and Valve Assemblies

10″ Spacing	15″ Spacing	19″ Spacing	20″ Spacing	Description
ACP0984260	ACP0984270		ACP0984280	90' Steel Boom
ACP0984290	ACP0984300	ACP0984310	ACP0984320	100' Steel Boom
ACP0984360	ACP0984330	ACP0984340	ACP0984350	120' Steel Boom
			ACP0984370	120' Aluminum Boom
		ACP0984390	ACP0984380	132' Aluminum Boom

Already have a PinPoint II system on your sprayer?

Upgrade to PinPoint III Envelop

PinPoint II to PinPoint III Upgrade

RG C-Series PPII to PPIII Upgrade	ACP0984430

PinPoint III Valves Assemblies

W/ LH AGCO Nozzle Body	W/ RH AGCO Nozzle Body
ACP0984450	ACP0984440







Spitfire Valve Components

Ref.	Hypro/Arag	Component
1	ACP0984460	24 Series Spitfire Coil Assy (Blue Wire)
2	ACP0984470	Spitfire Plunger Assy—Standard Spring
	ACP0984480	Spitfire Plunger 10-pack
3	ACP0984490	O-Ring, Inner
4	ACP0984500	Orifice Disk Assembly, Arag/Hypro
5	ACP0984510	O-Ring, Spoke
	ACP0984520	O-Ring, Spoke 10-pack
6	ACP0984530	U-Clip, universal
7	ACP0984540	Flynut, Arag/Hypro

Fuse OptiHeight™

Raven's latest advancement in boom control is Fuse OptiHeight™. Industry-leading radar sensor technology uses simultaneous ground and canopy detection to maintain optimal spray height for maximum product efficacy. Pressure-based control allows for smooth movement and quicker reaction time while center rack stability technology with optional dampers gives the operator complete control, maximizing boom life.





Notes: *See your local AGCO Application dealer for more information on upgrading your new or used AGCO liquid application system or TerraGator C-Series AirMax Precision system with Fuse OptiHeight automatic boom height control.*

OptiHeight | Industry-leading radar sensor technology uses simultaneous ground and canopy detection to maintain optimal spray height for maximum product efficacy. Pressure-based control allows for smooth movement and quicker reaction time while center rack stability technology with optional dampers gives the operator complete control, maximizing boom life.

Fuse / Fendt OptiHeight Features and Benefits:

- Full boom management solution maintains optimal spray height for maximum efficacy
- Radar sensor technology
- Simultaneous ground and canopy detection
- Enables a larger maximum distance measurement, not affected by temperature or spray drift
- Five non-contact sensors come standard with the option of adding additional two sensors
- ISOBUS compliant

Product Technical Details:

- Additional two-sensor upgrade available. All standard kits include five radar sensors
- Includes OptiHeight unlock. AutoFold and AutoYaw are non-aftermarket/OEM integration only
- Small tree | spring and shock installed vertically. Top of spring connects to rod end; rod end bolts to mast weldment
- Large tree | spring and shock installed at an angle. Top of spring sits over retaining cup.

Fuse OptiHeight Kits

Fendt Rogator 900		RoGator C-Series		RoGator A/B-Series		Boom Information		
Install Kits*	Hyd. Cartridge Kit*	Incl. Hyd.	Excl. Hyd.	Incl. Hyd.	Excl. Hyd.	Tree	Width	Boom
-	-	AG430036	AG430040	AG430429	AG430432	Small Tree	90′/100′	Steel
AG430552	ACX2762950 *	AG430027	AG430039	AG430428	AG430431	Large Tree	90′/100′	Steel
AG430553		AG430028	AG430041	AG430430	AG430433	Large Tree	120′	Steel
-	-	AG430038	AG430043	-	-	Small Tree	120′/132′	Alum.
AG430554	ACX2762950 *	AG430037	AG430042	-	-	Large Tree	120′/132′	Alum.

* **IMPORTANT!** Install Kits for Fendt Rogator 900 are vendor ship and are not OEM kits released by Jackson manufacturing. See machine parts books for service parts on OptiHeight installed from the factory.

FUSE OptiHeight — TerraGator Liquid*

Part Number	Description
AG430522	80′ Steel Boom Kit, TerraGator C-Series, With Hydraulics
AG430523	80′ Steel Boom Kit, TerraGator C-Series, No Hydraulics

*Machines have to come from the factory with Auto-Fold installed for these OptiHeight kits to be compatible with TerraGator C-Series liquid systems.

AutoBoom TerraGator AirMax Precision

Part Number	Description
594923D1	AutoBoom Install Kit, AirMax Precision for TerraGator C Series



Recon SpreadSense® by Intelligent Ag Solutions

The industry's first blockage monitor for AirMax and other pneumatic boom dry application systems. Utilizing the same acoustic technology developed for other Recon monitoring systems, Recon SpreadSense provides reliable real-time blockage detection. Using a simple adhesive, the acoustic sensors are easy to install on the back of each deflector, so there is no disruption to product flow. The acoustic sensors listen to the material flow and send sound pulses through auditory tubes, similar to a stethoscope. The data is collected by the Electronic Control Unit (ECU), which displays the information on an iPad® in the cab. If there's a blockage or disruption anywhere in the system, you'll know. Ensure even distribution of product across your floater, and increase your efficiency by not having to visually detect flow issues. iPad sold separately.

Recon SpreadSense Machine Kits

Part	Description
AG430208	Airmax R1/R2 for RoGator C + Fendt RG
AG430183	Airmax 180 for RoGators
AG430184	Airmax Precision / AMP 2 for TerraGators
AG430185	Air Spreader for TerraGators
AG430186	Flex-Air for Case Titan
AG430435	Salford S6700
AG430459	Salford RA 885—90'
AG430291	JD AB485

ECUs

Part	Description
AG430191	ECU, 4-Port Final Assembly
AG430192	ECU Hose Clamp Mount
AG430193	ECU Threaded Mount

System Kit Service Parts

Part	Description
AG430197	Sealing Plug Assembly, Deutsch DTP 2 Pin Connector
AG430198	Sealing Plug Assembly, Deutsch DTM 2 Pin Connector
AG430199	Sealing Plug Assembly, Deutsch DT 4 Pin Connector, Can Term
AG430200	Tubing Clamp Assembly, 5/16" OD Tube
AG430201	Hose Clamp, 2.25" to 4.25"
AG430202	U-Bolt, Square, 2.5", Zinc-Plated Steel
AG430203	Harness, Gateway, ECU, Workswitch Power and CAN
AG430204	Harness, Split Power and CAN
AG430205	Harness, Tractor - ACM
AG430206	3.5" Tablet Mount Arm
ACP0275670	Rail Attachment for Tablet Mount

Features and Benefits:

- Supports the following systems:
  - AGCO AirMax Precision 1 and 2 on TerraGators
  - AGCO AirMax R1 / R1 on RoGators
  - CNH Flex-Air
  - JD AB485
- Reduce operator stress and maximize acres covered
- Ensure proper application quality and desired coverage
- Reduce risk of need for reapplication
- Increase farmer customer satisfaction
- Listed Salford systems

Notes: *All Kits come complete. See your local AGCO Application dealer for more information on upgrading your new or used AirMax and other pneumatic boom systems.*

HOW IT WORKS



Sensors

Part	Description
AG430187	Sensor Assembly
AG430189	Santoprene Tube, 50"
AG430460	Newer Thick Tubing
AG430190	Adhesive Disk

Harnesses

Part	Description
AG430194	Harness, ECU, 10'
AG430195	Harness, ECU, 20'
AG430196	Power Harness, C Series

Gateway Kit Service Parts

Part	Description
ACP0594960	Gateway 260*
AG430494	GW260 Cab Harness 1 and GW260 Cab Harness 2
AG430495	GW260 Cab Harness 1 and GW260 Cab Harness 2
AG430210	Male SMA Cap
AG430211	Antenna, 4G Cell/2.4 GHz/433 MHz
AG430212	2.5" Diameter U-Bolt with Saddle Clamp
AG430214	Bracket, GW300 Antenna, 1.5"-5" U-Bolt

*If replacing a Gateway 300 with a Gateway 260, Gateway harnesses AG430494 and AG430495 above will be required for installation.

Agro Link

Wireless agronomic data collection that's loyal to only one brand. Yours. Having to navigate multiple data collection technology platforms, depending on your different machines, isn't fun. It isn't efficient, either. Different file types. Multiple data points. No way to aggregate them. It's like your agronomic data is controlling you, not the other way around.

Agro Link is a centralized, universal data exchange platform that facilitates wireless data movement between your cloud storage, equipment telematics systems and almost any farm management information system (FMIS). Bring all that data from your entire fleet under ***one central hub.***

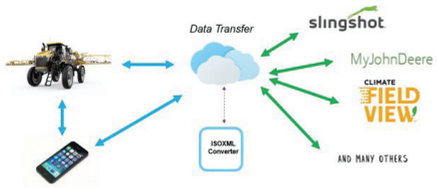


Features and Benefits:

- **Shared Data**—Mixed fleet friendly
  - Manage prescription formats and move data between cloud storage, equipment telematics and your FMIS
  - Allows the sharing of data with multiple FMISs, other OEM and aftermarket solutions, as well as trusted advisors.
  - Storage and transfer of all data under one file type
- **Better Data**—Eliminate the many challenges associated with importing/exporting prescriptions
  - Streamlines the **collection** of as-applied, as-planted and yield data
  - Facilitates the **transfer** of prescription files to equipment in the field
  - **Centrally organizes** and shares files, so you can focus on managing your business
  - Easily **convert** an ISO XML file to a shapefile or vice versa
- **Data Storage**—Aggregates and stores data from multiple FMISs
- **Secure Access**—Lets you control access using a FarmLock share, set up a page to manage custom sends and auto workflows

Agro Link Ordering Instructions | All Agro Link Orders must be purchased and activated through the Fuse Upgrades and Subscriptions website. (Located on the dealer portal under the "AGCO Technologies" menu on the "Fuse" page.) Wireless data transmission requires TaskDoc Pro Subscription and Data Plan via VDO3/4 for AGCO machine-side.

AGRO Link Subscription Features	Grower	Site License
	AG430182	AG430181
Mixed Fleet	✓	✓
Data Integration Needs	✓	✓
Task Doc Interface	✓	✓
Data Storage	✓	✓
Coordinator | Catalog, Organize, and Share Data	✓	✓
Editor | Index, Clean and Publish Agronomic Data	✓	✓
Director | Automate Data Movement Across Systems		✓
Admin | System-Wide Administration		✓
Dealer /Agronomist Managing Multiple Cust. Accounts		✓
Custom Applicator/Ag Retailer		✓
Farm Data Consultant / Farm Manager		✓
Machines Per Subscription	4	10+



For assistance on making the right selection or for technical assistance, email fusesupport@agcocorp.com.

Raven Slingshot

Raven Slingshot | Built for Go Time. Slingshot service combines wireless connectivity and RTK corrections with instant cloud-based data transfer, data management, and data security; along with asset and personnel management. Slingshot turns your operation into a logistics monster. Go Time will never see you coming. Head over to ravenslingshot.com for more information, to see the latest coverage map, and to explore the latest and greatest features that come with Slingshot service.

Bronze Package

Tap into Slingshot's foundational data management features to move your operation to a new chapter of clarity and control. Upgrade your subscription any time you're ready.

- Slingshot account via API access
- Fleet View Basic
- As-Applied Transfer
- RX Map Transfer

Silver Package

Step up to high-power precision with Slingshot's best-of-class connectivity, RTK correction and data transfer and our powerful logistics feature set, backed by the finest Raven field computer.

- Includes all features of Bronze
- Job Generator
- Correction Streaming

Gold Package

Unleash the full spectrum of performance and control with Slingshot's complete logistics feature set. Perfect for the large or growing operation with multiple business units, or for the leader who's focused on total efficiency and higher profits.

- Includes all features of Silver
- Job Sync—Coverage Sharing
- Job Sync—Live Web View
- Fleet Analytics

Raven Slingshot Subscriptions through AGCO Parts*

Subscription	Bronze	Silver	Gold
1-Year Subscription	AG430437	AG430441	AG430445
3-Year Subscription	AG430438	AG430442	AG430446
4-Year Subscription	AG430439	AG430443	AG430447
5-Year Subscription	AG430440	AG430444	AG430448
1-Year Upgrade from Silver to Gold		AG430449	

*After placing an order for Raven Slingshot via a Parts Order through AGCO Solutions Online, take the RS1 or FieldHub 2.0 barcode number and head over to the Raven Slingshot Device and Subscription Activation page at https://bit.ly/3oO3Ews. You'll go to this same page to activate a new device.

Additionally, for those selling a Slingshot subscription onto an account that already has an active subscription, it is important to know that the subscription duration purchased will be added onto the customer's account. This eliminates the inconvenience of being sure to go in at the time the current subscription expires to avoid a lapse in service. If the customer has 6 months left, and purchases a 5-year subscription, they will then have a total of five-and-a-half years of subscription time pre-paid.

For AGCO machines that come from the factory with 1-Year Silver, those devices can be upgraded to a 1-Year Gold subscription via the above-mentioned upgrade at a reduced price, thereby preventing the value of the 1-Year Silver subscription from being lost. In this case, **do not** order any of the Gold subscriptions until the initial included Silver subscription is upgraded first!

Raven Slingshot Field Hub 2.1

The core of the Slingshot experience is the Field Hub. A small device that fits neatly into the cab of your vehicle, the hub connects your precision ag hardware to the Internet with ease. It also has an optional Wi-Fi version that allows other devices in the cab to enjoy high speeds on one data plan. Get up to 4G LTE speeds on major phone networks in North America and around the world. It connects your operator, managers and Slingshot support to each other via the Internet and puts a complete web experience **on your Raven field computer.**



Slingshot Field Hubs Hardware and Unlocks

Part	Description
AG430549	Kit, Field Hub 2.1 Global GSM+CDMA, Wi-Fi
ACX2304400	Replacement Field Hub 2.1 Global GSM+VZW, Wi-Fi
AG430458	Hub 2.1 Viper 4+ Mounting Bracket
AG430540	Slingshot Steering Corrections Unlock

Legacy Technology Service Parts

Topcon AGI-3 Roof Mount Brackets

Part	Description
72571412	AGCO Guidance Ready Roof Mount Plate Only
A--0000034	AGCO Guidance Ready Roof Mount Plate with Hardware
ACP0049580	SP Windrower Roof Mount Bracket
ACP0049520	Universal Mounting Bracket

Miscellaneous Topcon Components

Part	Description
ACP0049390	CAN Extension Cable
ACP0049370	CAN Tee
ACP0049380	CAN Terminator

CAN SmarTrax™ 3D

These kits are for the new series of valves. These kits will work only with hydraulic steer kits using this format: **117-4001-xxx.** All kits other than those for the original Cruizer will require an AG727393 CAN power tee and terminator kit if no CAN system is already present.

Note: **Optional Rotary Wheel Angle Sensor kit available for RG900/1100/1300 (part AG428584)*

Part	Description
AG428306	Controller Kit, CAN SmarTrax w/3D for Viper Pro/Envizio Pro
AG428318	Install Kit, RoGator 1254
AG428322	Install Kit, RoGator 64/74 Series (Excluding 664), SS (JIC Fittings)
AG428328	Install Kit, RoGator 84/86 Series, SS (Flat Face O-Ring Fittings)
AG428548	Install Kit, RoGator RG900/1100/1300 (Requires Steering Node AG428587)*
AG428321	Install Kit, TerraGator 1603/1803/1804
AG428317	Install Kit, TerraGator 6X03/8X03/8X04/8X44/9X03/TG9300 (GEN 1 only)
AG427711	Install Kit, TerraGator 6X03/82XX/TG7300/TG8300/TG8400 2009 & Newer (GEN 1 only)
AG428325	Install Kit, SpraCoupe 7X5X, 7X60

CAN SmarTrax™ 3D Upgrades

Part	Description
AG428301	Kit, SmarTrax 3D node upgrade, Viper Pro/Envizio Pro
AG427709	Authorization Code, SmarTrax 3D

AES-25 Electric Steering Replacement Parts



The AES-25 is an easy-to-install, transferrable electric steering option.

Note: *Complete Topcon systems are no longer available from AGCO.*

Part	Description
A--0000053	Electric Steer Junction Box Mounting Bracket
ACP0049560	AES-25 Harness for System 150
ACP0049350	Anti-Rotation Bracket, Front (Challenger 500B, MF 54xx/64xx/74xx/84xx, AGCO RT)
ACP0049360	Anti-Rotation Bracket, Rear (Challenger 500B, MF 54xx/64xx/74xx/84xx, AGCO RT)
ACP0049400	Anti-Rotation Bracket (Challenger 600C, MF 86xx, AGCO DT)
ACP0049450	Adaptor Shaft (Challenger 500B, MF 54xx/64xx/74xx/84xx, AGCO RT)
ACP0049470	Adaptor Shaft (Challenger 600C, MF 86xx, AGCO DT)
ACP0049480	Spline Adapter
ACP0049570	Harness for System 150/350 SP Windrower

Raven Cruizer II Service Parts



Weather-Resistant Cables

Part	Description
AG428264	Cable, Expander Port B/D and CAN
AG428265	Cable, Expander Port A/C
AG610620	Cable, 15' TNC(M) to TNC(M)
AG428396	Cable, Adapter Boom Sense
AG428545	Cable, Power
AG428487	Cable, Port Expander with Speed Output

Gen I Cables and Components

Part	Description
AG427469	Cable, Port Exp (Port Expander Only)
AG427254	Cable, Adapt Boom Sense (Boom Sense Only)
AG427255	Cable, Port Exp with Speed Output
AG427248	Cable, Interface (Tilt Sensor/Boom Sense, SmarTrax)
AG427674	Cable, Interface with Speed (SmartBoom)
AG428266	Cable, Adapter CAN
AG427256	Cable, 20' TNC(M) to BNC(M) (Helix to Cruizer)
AG427251	Mount, Vacuum RAM with Ball
AG427253	Power Cable, 12V
AG726295	Patch Antenna
ACW2433900	Helix (MBA-3) Antenna
AG427283	Helix (MBA-3) Antenna Kit
AG427700	Kit, Tilt with Cruizer Cable

Gen II Cables

Part	Description
AG429887	Cable, Cruizer II (Chassis Cable Interface)
AG429890	Cable, Cruizer II (Steering Only Systems)

Replacement Parts for Envizio Pro II®



Part	Description
AG427256	Antenna Cable
522500D1	4GB USB Flash Drive
AG147266	Kit, Mounting, RAM Vesa Plate
567261D1	Antenna Mounting Plate
AG427283	MBA-3 Antenna Kit
AG427721	Envizio Pro Boom Speed / Single Product Node Mounting Bracket
AG726295	Patch Antenna
AG147266	Kit, Mounting, RAM Vesa Plate

Software for Envizio Pro II®

Part	Description
AG427116	Envizio Pro II Single Product Variable Rate Key
AG428260	Envizio Pro II RTK Authorization Key

AccuBoom Service Parts

Part	Description
519172D1	Single Product Node, Servo/PWM
AG727396	Dual Product Node
AG126233	Boom Speed Node
AG428063	AccuBoom Control Node with Remote Section Control
523389D1	AccuBoom Combo Node
AG426332	CAN AccuBoom Control Node (2008 and Older)
523389D1	CAN AccuBoom/Boom Sense Node (2009 and Newer)
AG427696	CAN PowerGlide Plus Node
516512D1	CAN UltraGlide Node
553688D1	CAN SmarTrax 3D Node

Auto-Guide® 3000 Replacement Parts



Part	Description
ACZ000035C	AGI-4 Topdock Receiver, WAAS. To Upgrade, Choose Correct Inserts.
ACZ0001720	AGI-4 Mounting Kit
ACZ000034C	AGI-4 Wiring Harness
ACZ000038B	AGI-4 Decimeter Snap-in Module (OmniSTAR)
ACP0517370	Decimeter Snap-in Module
	AGI-4 RTK Snap-in Module, 915 MHz Radio. No Modem. (See Fuse 20-07PMB for More Details.)
ACZ000174A	RTK Antenna Kit UHF (Cable, TNC Adapter and Antenna)
1	72486959—Antenna Cable
2	72653935—TNC-TNC Adapter
3	ACZ0002770—Antenna, 900 MHz (880-960 Range)
4	ACZ0002760—Antenna, Gainflex, 440-470 MHz, TNC
ACZ000132B	Whip Antenna Kit 900 MHz (Cable, Adapter & Antenna)
ACZ000175A	RTK Antenna Kit FH 915 MHz (Cable, Adapter & Antenna)
72653935	TNC-TNC Adapter
72486939	Null Modem Adapter
ACZ0002770	Antenna GSM 440-470 MHz

HiPer AG RTK Portable Base Station Parts



The Auto-Guide 3000 system uses the HiPer AG RTK mobile base station. Easy to set up and fast to lock in, the HiPer AG provides growers with high accuracy that some operations need and the high accuracy repeatability that can be saved and used over time.

Part	Description
72571577	Cable - Power Outlet to Power Supply
72571582	Cable - Power Supply with 48" SAE Connector
72571583	Cable - HiPer Power Receiver to SAE
72571584	Cable - HiPer Power Alligator Clips to SAE
72571585	Cable - HiPer Power Cigar Plug (Type A) to SAE
72571620	Cable - Power Extension SAE to SAE
72571474	Cable - Receiver to Serial DB9
72486939	Adapter - Null Modem DB9 M-M
72451225	HiPer AG Tripod

AccuBoom Service Parts

Part	Description
519172D1	Single Product Node, Servo/PWM
AG727396	Dual Product Node
AG126233	Boom Speed Node
AG428063	AccuBoom Control Node with Remote Section Control
523389D1	AccuBoom Combo Node
AG426332	CAN AccuBoom Control Node (2008 and Older)
523389D1	CAN AccuBoom/Boom Sense Node (2009 and Newer)
AG427696	CAN PowerGlide Plus Node
516512D1	CAN UltraGlide Node
553688D1	CAN SmarTrax 3D Node



Topcon System 110/150/350 Service Parts

Part	Description
71408378	Console RAM Mount for 110/150
ACZ0000440	SGR-1 Receiver for 110
ACZ0000930	SGR-1 Mounting Base 110
72571820	Visor Kit for Console for 110/150
A - - 0000048	Harness, Power / CAN for 110/150
A - - 0000049	Harness, Remote Master Detect for 110-150
A - - 0005025	Harness, SGR-1 Receiver to Console for 110
A - - 0000046	Lightbar for System 110
72571376	Harness, AGI-3 Topdock to Cab for 150/350
ACP0049420	Harness, X30 Power for 350
ACZ0004170	Harness, X30 to GX-45 Adapt for 350
ACP0049530	Harness, X30 Power / Comms for 350
Direct Interface Steering Replacement Parts	
549679D1	Harness, Challenger MT700C/800C/900C
ACP0049410	Harness, System 150 Console to AGI-3 Power/Comms
ACP0049430	Harness, SRT Power Adapter
ACP0049440	Harness, System 350 AGCO Comms Adapter
ACP0049460	Harness, AGCO LRT Power
ACP0049490	Harness, Roof, CH MT700C/800C, Non-AutoGuide Ready
ACP0049510	System 150 AGI-3 Suit Challenger C Series
ACP0049550	Harness, Interface Sys. 150 AGI-3 to CH MT700B/800B
A - - 0004935	Harness, AGCO LRT/SRT Tractor
AGS170	Falcon II Service Parts



Falcon II Service Parts

Part	Description
AG799814	Computer Falcon II Remanufactured
526172D1	Falcon II Plus Server Replacement Hard Drive
AG522992	Monitor, Falcon II
AG799815	Monitor, Falcon II – REMAN
AG423571	Monitor Harness
AG423570	Keypad Harness
AG122317	Keypad
AG523326	Floppy Drive - USB Harness Connection
AG261218	Floppy Drive USB Cable
AG523433	Floppy Drive Door
AG523407	Keyboard PS2
AG519463	Falcon Control Node



Raven 600S Service Parts

Part	Description
AG429857	Mounting Bracket, 600S
AG430005	Cable 20FT Raven 600S

RAVEN

Raven has a control system to handle your liquid, granular, or NH_3 needs. From one product to five, one boom to 10—Raven has a system for you! To determine the system components you require, follow steps 1–5 below.

STEP 1 RAVEN CONSOLES

Console	Product Control	Boom Control	Printer—GPS Compatible	Chemical Injection	Granular Spread	Carrier Control/NH_3
SCS 5000	5	10	yes	yes	yes	yes
SCS 4400	5	10	yes	yes	yes	yes
SCS 660	1	6*	yes (opt.)		yes	yes
SCS 661	1	10*	yes		yes	yes
SCS 450	1	6	yes (opt.)			yes
SCS 440	1	3	yes (opt.)			yes
SCS 330	1	3				yes

* Boom switch not on console—requires separate boom switch box

STEP 2 DETERMINE FLOW RATE REQUIREMENTS

$$GPM = \frac{GPA \times \text{Speed in MPH} \times \text{Boom Width in Inches}}{5940}$$

(ounces may be substituted for gallons)

STEP 3 CHOOSE A FLOWMETER (Poly, Stainless Steel or Cast Iron)

RFM 15	.3–15 GPM	Poly	150 PSI	1½" (F) NPT/M200 Flanged
RFM 60P	1–60 GPM	Poly	150 PSI	1½" (F) NPT/M200 Flanged
RFM 60S	1–60 GPM	S.S.	500 PSI	1½" (F) NPT
RFM 100	5–100 GPM	Poly	150 PSI	2" (F) NPT/M220 Flanged
RFM 200P	15–200 GPM	Poly	90 PSI	3" (F) NPT
RFM 200A	15–200 GPM	C.I.	300 PSI	3" (F) NPT
RFM 400	25–400 GPM	Poly	90 PSI	4" (F) NPT
Magmeter 200	3–200 GPM	Poly	150 PSI	M220 Flanged
Encoder	Granular (lbs.)	—	—	1" Shaft Coupler

STEP 4 SELECT A VALVE CONTROL P=Poly S.S.=Stainless Steel C.S.=Carbon Steel

Valve	3/4"	1"	1-1/2"	2"	3"
Control, Ball Type	S.S.	C.S.	—	—	—
Control, Butterfly Type	P	P	P	S.S.	S.S.
On/Off, Ball Type	S.S.	C.S.	P	P	—
On/Off, Butterfly Type	—	—	—	S.S.	S.S.

STEP 5 SELECT A SPEED SENSOR

Radar—Raven, DICKEY-john, or Magnavox Wheel Drive (magnets) Drive Shaft (magnets) Speedometer Transducer

Switch Pro



Switch Pro provides a reliable control system when teamed up with Envizio Pro or Viper Pro field computers. Switch Pro combines the technology of several devices into one easy-to-use console, including: single product control (liquid or NH_3), 10-boom section control, a speed-sense control and AccuBoom boom section control. Switch Pro eliminates consoles from your cab, providing more room with less clutter. Switch Pro is ideal for users who want to upgrade existing Raven 440, 450, or 4400 controllers. Switch Pro easily upgrades current wiring of 440, 450, or 4400 consoles to either Envizio Pro or Viper Pro. AccuBoom benefits the operator by turning boom sections on and off to prevent over-spraying and skips while entering or leaving point rows or no-spray zones. This hands-off control feature greatly reduces user stress and saves chemical cost.

Notes: *Envizio Pro must be updated to version 1.40 or higher. Viper Pro must be updated to version 2.51B or higher.*

Part	Description
AG427624	Kit, 4400 Cable System & Envizio Pro/Viper Pro
AG427625	Kit, 440/450 Cable System & Envizio Pro/Viper Pro
AG428175	Kit, Switch Pro with Envizio Pro Mounting Bracket (No Cables)
AG427621	Switch Pro Console, 10 Section
AG427626	Combo Cable to 440/450
AG427623	Combo Cable to 4400
AG427631	Mounting Bracket, Switch Pro to Envizio Pro

SCS 5000 Console



Specifications:

- Dimensions: 9 x 8 x 3
- Display: LCD, 320 x 240 graphics transflective, 4.7" diagonal
- Software: SCS 5000 Software Version 1.53
- Power: Range of 9-15 VDC, reverse polarity, overvoltage and load-dump protected
- Typical operational current: 350mA (4.8 Watts)
- Ports: Single rearmount 37-Pin AMP connector providing CANBus connection and one serial (DB9) communication
- Keypad: 23 membrane keys and 1 toggle increase/decrease switch
- Operating Temp: -40°C to +70°C
- Housing: Dustproof, shock resistant, polycarbonate/ABS blend with internal RF shielding

Features:

- Five-product All CAN controller
- Control various product types: liquid, dry, NH_3, or injection
- Upgrade software remotely via serial port
- Program flash updateable
- 10-boom compatibility
- Capable of monitoring pressure, fan RPM, and BIN level signals
- Multiple audible alarms for system monitoring
- Easy-to-read, backlit ¼ VGA display
- Ground-speed-compensated automatic rate control
- Can be integrated with a Raven Viper or other variable-rate systems in the market
- CAN (Raven only) interface today will plug and play
- Raven injection
- AutoBoom boom height control

Part	Description
518447D1	SCS 5000 Console
AG332488	Cable Null Modem - Needed for Software Upgrade
AG427144	Cable Fan Sensor Extension

SCS 4400 Console



Sprayer controller with 3- to 10-boom control. The unit offers two programmable pre-set rates. The SCS 4400+ is GPS compatible. This console can be used for liquid and/or granular application.

Part	Description
AG428571	Console SCS 4400
AG726592	Console Cable 3'
AG428512	Flow Control Cable 3-Section
AG427306	Flow Control Cable 1-Section
AG726588	Flow Control Cable 12' 10 Boom

SCS 660 and 661 Carrier or Granular Control



Designed for either liquid or granular single-product automatic control. Console has non-volatile memory, printer output, and two-way communication for uploading and downloading GPS information. One simple programming step allows you to choose between liquid or granular control features. Liquid control features are similar to the SCS 440. Granular features include off rate, flow, left and right shaft, and bin level alarms, fan RPM, and spreader constant (density). The 661 can control up to 10 booms. Additional boom switch console required.

Part	Description
AG521590	SCS 660 Console with Serial Interface
AG055685	Power Cable
AG716268	Console Cable - 3' - 660 Controller Only
AG716496	Flow Control Cable 21' - Granular 660 Controller
AG716266	Flow Control Cable - 24' - Liquid 660 Controller
AG708785	Flow Meter Cable Only, 6'
AG708709	Flow Meter Cable Only, 12'
AG608979	Speed Sensor Extension Cable, 12'
AG708726	Speed Sensor Extension Cable, 24'

SCS 450 Carrier Control



Automatic control of one chemical for liquid, NH_3, or granular applications. Serial interface console has single 28-character display screen, pressure display, non-volatile memory, printer output and two-way communication for uploading and downloading GPS (optional) information. Standard features include single product control with three-boom control (SCS 440) or six-boom control (SCS 450), volume in tank, total area, total volume, field area, field volume, speed, volume per minute, data lock, audible and visual alarms, control valve delay, four-way programmable valve, low flow rate setting, two preset application rates, print menu, manual control, self-test speed, and time.

Note: *Non-serial interface consoles have two windows—not the single 28-character display window.*

Part	Description
AG716205	SCS 450 Console with Serial Interface
AG708786	Console Cable, 10', SCS 330/440
AG059739	Console Cable, 10', SCS 450
AG708920	Flow Control Cable, 12', SCS 330/440
AG708735	Flow Control Extension Cable, 12', SCS 330/440
AG008713	Flow Control Extension Cable, 24', SCS 330/440
AG834329	Flow Control Cable, 12', SCS 450
AG711492	Flow Control Extension Cable, 12', SCS 450
AG712967	Flow Control Extension Cable, 24', SCS 450
AG708785	Flow Meter Cable Only, 6'
AG708709	Flow Meter Cable Only, 12'
AG608979	Speed Sensor Extension Cable, 12'
AG708726	Speed Sensor Extension Cable, 24'

Pressure Transducer for SCS 440 or SCS 450

Designed as an optional feature for the SCS 440 or SCS 450 consoles, Rev. B consoles or later with serial interface, approximately 2000 model year or later. The addition of a pressure transducer will allow the operator to monitor spraying pressure.

Part	Description
AG428121	Pressure Transducer
AG059593	Pressure Transducer Console Cable 36"
AG059594	Pressure Transducer Console Cable 120"
AG726437	Pressure Transducer Cable Sensor End 6'
AG059595	Pressure Transducer Sensor Cable 144"
AG726438	Pressure Transducer Cable Sensor End 37'
AG726439	Pressure Transducer Cable 44' Sensor End

Raven Control Cables

Part	Description
AG708786	Console Cable, 10', SCS 330/440
AG059739	Console Cable, 10', SCS 450
AG428511	NH_3 Flow Cable, 12', SCS 440 3-Section
AG708735	Flow Control Extension Cable, 12', SCS 330/440
AG008713	Flow Control Extension Cable, 24', SCS 330/440
AG834329	Flow Control Cable, 12', SCS 450
AG708785	Flow Meter Cable Only, 6'
AG708709	Flow Meter Cable Only, 12'
AG608979	Speed Sensor Extension Cable, 12'
AG708726	Speed Sensor Extension Cable, 24'

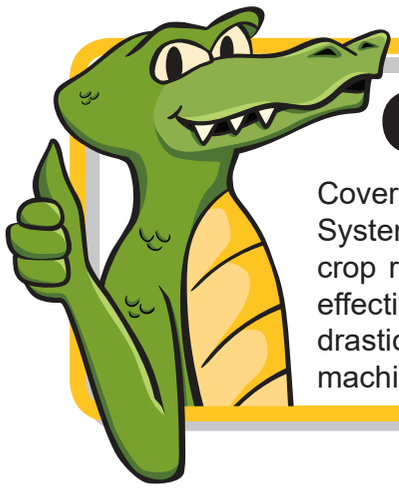
Speed Sensors

Part	Description
AG007283	Wheel Drive Speed Sensor, 21' (4 Magnet)
AG710366	Drive Shaft Speed Sensor

Tank/Injection Module Components



Part	Description
AG713955	Tank 24-Gallon (for Agitation)
AG426869	24-Gallon Tank Saddle Only
AG426872	3" Blade Mix All Electric Agitator
AG426873	4" Blade Mix All Electric Agitator



GatorGuide

Cover 20% more acres in a day. Raven's VSN Visual Guidance System utilizes a non-contact stereo vision camera to navigate crop rows, allowing the operator to focus on all other aspects of effective application control. The system eliminates crop damage, drastically increases acre coverage in a day, and provides easier machine operation.

Sidekick Pro™

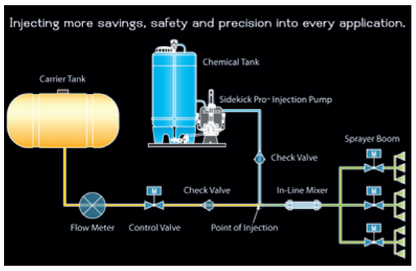


Raven's Custom Chemical Injection System

The Sidekick Pro™ direct injection system—no tank mixing required.

Key Features & Benefits:

- Rinse assist helps simplify pump maintenance.
- Eliminates pre-mixing and clean-out for added operator safety, less chemical waste—and faster, more accurate applications
- High-powered positive displacement pump for chemical injection downstream (pressure side), closer to the boom for faster on-off response times, and variable-rate controls
- Four-unit capability for applying up to four chemicals on the same pass or switching applications from one field to the next without stopping
- Automatic calibration for fast, simple, and convenient start-up—and eliminates time-consuming catch tests and chemical waste
- Change application rates by adjusting the chemical concentration rather than spraying more or less mixture
- Priming feature for quick starts, convenient operation, and chemical savings
- Real-time diagnostics for signaling if/where a problem may arise
- High-volume capacity range of 5-200 oz. per minute for larger systems
- Low-volume capacity range of 1-40 oz. per minute for smaller systems
- Compatible with ISOBUS controllers, Raven field computers, and SCS 4000 and 5000 series consoles for maximum flexibility



Part	Description
AG428247	Sidekick Pro Kit, Injection Pump 5-200 oz./min.
AG428248	Sidekick Pro Kit, Injection Pump 1-40 oz./min.
AG428252	Sidekick Pro Kit, Injection Pump w/Tank 1-40 oz./min.
AG428253	Sidekick Pro Kit, Injection Pump w/Tank 5-200 oz./min.

Raven CropStart II



The CropStart II four-row add-on kit system from Raven fits on your planter and lets you easily apply liquid starter fertilizer precisely where it needs to be to jump-start your crop.

Features:

- Speed-compensated technology—replaces ground-drive and squeeze-pump systems
- Kits include console, flow monitor and stand assembly, pump, proper cables, etc.
- Serial port to interface dataloggers; interfaces with existing radar on tractor
- Automatic system shut-off when planter is raised from ground
- Proven, reliable pulse width-modulated motor control

Part	Description
AG726179	CropStart 4-Row Add-on Kit

Radar Speed Sensor Interface Cables

Notes: *For console with revision "E" or later. * Is 1990 model year or later with factory-installed performance monitor.*

Part	Description
AG711020	DICKEY-john Radar for John Deere*
AG715258	DICKEY-john Radar for John Deere 7000/8000/9000 Series
AG710963	DICKEY-john Radar for Case IH
AG712093	DICKEY-john Gun - Ford/White/Agco Allison - Rev E Console or Later
AG609180	Interface Cable for DICKEY-john Radar

DICKEY-john System

The DICKEY-john CCS 100 system is a common controller for the New Leader systems. Listed below are some of the major components for the L20-20 boxes.

Part	Description
72512508	DICKEY-john Radar Sensor without Mounting Bracket
AG609004	CCS 100 Remote Switch
AG609003	Actuator Valve - Driver
AG609250	Hydraulic Control Valve 30 GPM with 20' Cord
AG609001	Rate Sensor - 10' Cable

DjRVS II Radar Sensor



Part	Description
AG711009	DICKEY-john Radar Sensor with Mounting Bracket

RFM15 Flow Meter

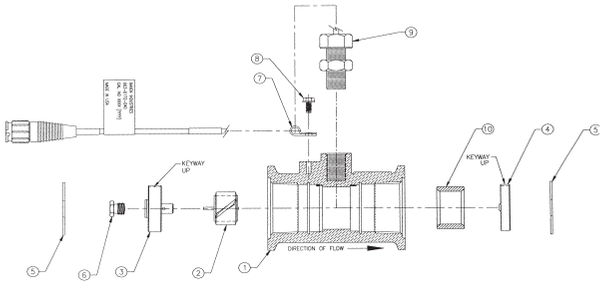


Polypropylene housing has 1-1/2" female NPT ports or 2" flanged ends. Rated at 175 PSI. Flow range is 0.3-15 GPM, 3-Pin Con-X-All.

Part	Description
AG429979	Flow Meter RFM 15



RFM15 Repair Parts



Ref	Part	Description
1	AG060122	Body - Flanged
2	AG060123	Rotor/Magnet Assembly
3	AG722268	Hub, Bearing Assembly
4	AG724335	Hub, Turbine
6	554797D1	Turbine Stud with Bearing

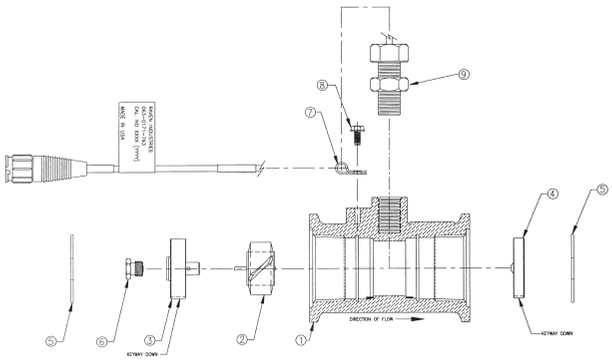
RFM 60P Flow Meter



Polypropylene housing. 1-60 GPM (4-226 liters) flow rate. 1-1/2" (F)NPT and 2" flanged inlet and outlet. 175 PSI rating. For use with chemicals and liquid fertilizer.
Note: *Kits include flow meter, flange clamps and fittings as described.*

Part	Description
508209D1	Flow Meter RFM 60P, 3-Pin Con-X-All
504212D1	Flow Meter Kit, RFM 60P 1-1/4" Hose Barb, 3-Pin Con-X-All
554808D1	Flow Meter RFM 60P, 3-Pin Deutsch

RFM 60P Repair Parts



Ref	Part	Description
2	AG723606	Rotor, Magnet Assembly
3	AG722268	Hub, Bearing Assembly
4	AG724335	Hub, Turbine
6	554797D1	Turbine Stud with Bearing

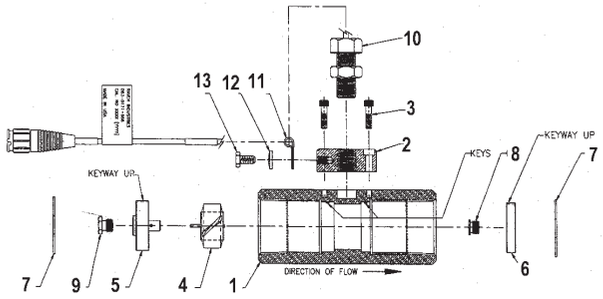
RFM60S Flow Meter



303 stainless steel housing. 1-60 GPM, 1-1/2" (F) ports, and 500 PSI rating. For use with anhydrous ammonia, 3-Pin Con-X-All.

Part	Description
AG429978	Flow Meter RFM60S

RFM60S Repair Parts



Ref	Part	Description
4	AG723606	Rotor, Magnet Assembly
5	AG722268	Hub, Bearing Assembly
6	AG724335	Hub, Turbine
9	554797D1	Turbine Stud with Bearing

FM100P Flow Meter



Polypropylene housing. 3-100 GPM (11-378 liters) flow rate. 2" inlet and outlet. 150 PSI rating.

Part	Description
AG429072	Flow Meter, RFM100P, 3-Pin Con-X-All
599159D1	Flow Meter, RFM100P, 3 Pin Deutsch DT

TeeJet 802 Flow Meter



3-130 GPM (11-492 liters) flow rate. 200 PSI rating. 75-series flange connection.

Part	Description
AG429028	802 Flow Meter with Raven Connector
AG429029	802 Flow Meter with TeeJet Connector
574623D1	802 Flow Meter, OEM, 3-Pin Deutsch

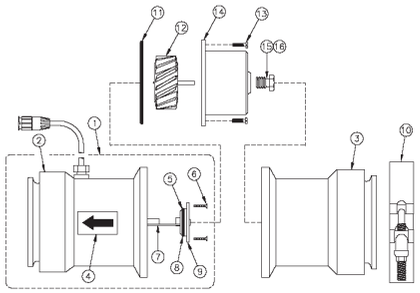
RFM200P Flow Meter



Polypropylene housing. 15-200 GPM. Rated at 90 PSI. 3" NPT inlet and outlet, 3-Pin Con-X-All.

Part	Description
AG429073	Flow Meter RFM 200 Polyethylene 3" NPT

AG429073 Replacement Parts

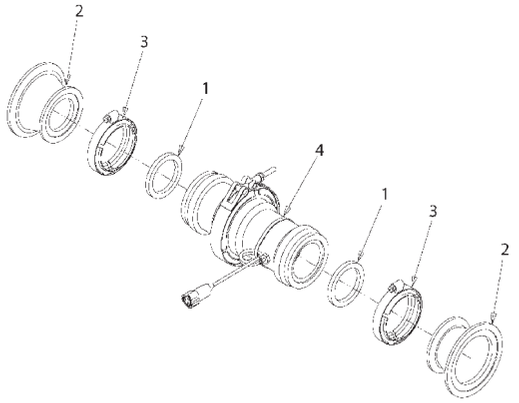


Polypropylene housing, 15-200 GPM, 3" NPT female ports, 5VDC. Rated at 90 PSI.

Notes: *This flow meter also utilizes the smaller size turbine part number 558195D1. Supply voltage is at 5VDC. The wiring cable end is the round Amphenol-type connector.*

Ref	Part	Description
3	NLA	Hub Housing
8	AG708715	O-ring Viton®
9	AG050394	End Bearing Assembly
10	AG710622	Retainer Clamp
11	AG709343	O-ring Viton®
12	558195D1	Turbine Rfm 200
13	AG710181	Screw #4-40 x .50LG Pan HD Stainless Steel
14	AG722819	Turbine Hub/Bearing Assembly
15	599646D1	Stud with Bearing
N/S	AG710719	Cable Kit

Flow Meter 2" 12V 140 ppg



Ref	Part	Description
1	6272877M1	2" FP EPDM Gasket
2	AG058589	3" x 2" FP
3	AG522895	2" FP Flange Clamp
4	599159D1	Flow Meter RFM100P, 3-Pin Deutsch DT

Flow Meter 12V 410 Cal

This flow meter has a triangle-shaped connector end. This flow meter was used mostly with Falcon® controllers. Meets ANSI/ASAE EP455 specs. The flow meter has flanged/FNPT ends on the housing, 15-200 GPM rated at 90 PSI, and has a poly housing. This flow meter was first used on 2000 machines.

Part	Description
599160D1	Flow Meter 3", 3-Pin Deutsch

Flow Meter Magmeter



- No moving parts
- 3- to 200-gallon operation range
- M220 flange connection
- Compatible with most ag chemicals
- No-maintenance design—nothing to wear out
- Wide operating range can replace RFM100 and RFM200
- Excellent for suspension fertilizer and calcium applications
- 4" Magmeter Assembly (35-1,500 GPM)
- 6" Magmeter Assembly (70-3,000 GPM)

Note: *Unless otherwise specified, Magmeter flow meters come with a 4-Pin Con-X-All for power and 3-Pin DT for signal.*

Part	Description
AG428245	3" Magmeter Assembly (22-1,000 GPM)
AG428133	4" Magmeter Assembly
AG428246	6" Magmeter Assembly
ACX3303130	3" OEM Magmeter, 3-Pin DT for Signal and Power

AccuFlow™ by Raven for Anhydrous Ammonia



The AccuFlow system converts all gas to a liquid so automatic rate control can be achieved through the use of an SCS 440 or 330 control console.

Notes: *AG429860 is for a 440 console with revision letter A through G and requires a carbon steel control valve (AG427291) and flow meter (AG719168). Order if not present in your existing system.*

Part	Description
AG429860	628 Kit, Vortex Dual Valve, Single Inlet
AG430496	711 Kit, NH_3 Vortex Dual Valve

TeeJet 744A Manual Sprayer Control

Spraying Systems Co.



The 744A controls can be adapted to provide operating pressure at two levels. For those requiring boom pressures up to 100 PSI (7 bar), the 744A is available in kit form with a 244 regulator valve and 144A DirectoValve® control valves. 145 valves can also be adapted for boom section on/off. For pressures up to 300 PSI (21 bar), the 344EC electric-operated ball valves can be connected for reliable pressure regulation and boom shutoff control.

Features:

- Replaceable boom section and boom master switches are elastomer sealed for weather-resistant service
- The heavy-duty boom master switch is sealed with a molded silicon bushing and pinned for rugged durability and extended service life
- Replaceable LED lights indicate boom section power on status
- Replaceable lighting for gauge face improves nighttime visibility
- Liquid gauges are designed for easy field replacement in 100 PSI (7 bar) or 300 PSI (21 bar) dual scale models
- Every 744A is available with a responsive 244 Pressure Regulator and DirectoValve control valves in kit form
- 744A controls can operate up to three 144, 144A, or 145 DirectoValve control valves
- For boom pressures up to 300 PSI (21 bar), the 744A can be configured with a 344E-2PR pressure regulator and 344EC shutoff valves
- Includes all necessary mounting hardware—bracket, bolts, wiring harness, and gauge connections
- An easily replaceable automotive blade fuse protects the systems from electrical overload
- An optional isolator kit for a chemical-free sprayer cab is available
- 100% factory tested to meet traditional TeeJet quality assurance standards

Notes: *744A kits for pressures up to 100 PSI. These kits include 3/4" regulator and 16' harness. These controllers will operate only three boom sections.*

Part	Description
AG052274	744A Control Kit (Includes Liquid Gauge, Less Valves)
AG052276	744A Control Kit (Includes Liquid Gauge and Three 144A Valves)

Part	Description
AG050651	Gauge Isolator Kit - 1/8"
AG050659	Gauge Isolator Kit - 1/4"

Sentry 6140 Tip Flow Monitor



Identifying plugged spray tips has never been easier!

Worn, plugged or partially blocked spray tips can have a significant impact on the quality of your spraying job. Streaks in the field caused by misapplication can result in yield reductions, increased weed pressure and the need to re-apply—all of which can be costly. The Sentry 6140 Tip Flow Monitor provides a simple, reliable solution to this age-old problem. Flow sensors, mounted at each spray tip location, precisely measure the flow passing through the tip and provide instantaneous feedback to the operator should a tip become clogged or lost, or a nozzle body unintentionally rotated to an incorrect position. By eliminating the need to detect plugged tips visually from the cab, operators can cover more acres in a day—and know, with confidence, that their spray tips are operating properly.

Features:

- Individually monitor flow performance of every spray tip on your boom.
- Sentry 6140 utilizes a compact flow meter integrated into the individual nozzle body.
- Flow meter detects flow variation caused by clogs, nozzle damage or loss, or upstream flow limitations.
- Deviation from the average flow rate of the rest of the system will trigger an alert to the operator.
- Error is indicated by audible alarm, display notification and illuminated LED at the affected nozzle body.
- AG428863 includes sentry console kit, tip flow monitor kit, Boom Sense 1-15 harness, and power cable.
- AG428864 includes two flow meters and one Dual Tip Sensor Interface.

Part	Description
AG428863	Sentry 6140 Kit, Multiple Sections
AG428864	Dual Flow Tip Sensor Kit
AG428865	35' Cable, Sensor Extension
AG428866	20' Cable, Console Extension
AG429702	Kit, Single Flow Sensor Includes: (1) Flow Meter and (1) Single Tip Sensor Interface

Sentry 6141 Tip Flow Monitor





Reliable detection of plugged tips in an ISOBUS-compatible design. Plugged or partially blocked spray tips can have a significant impact on the quality of your application. Streaks in the field caused by misapplication can result in yield reductions, increased weed pressure and the need to re-apply—all of which can be costly. The Sentry 6141 Tip Flow Monitor provides a simple, reliable solution to this age-old problem. Flow sensors, mounted at each spray tip location, monitor the flow through the tip and provide instantaneous feedback to the operator should a tip become clogged. By eliminating the need to detect plugged tips visually from the cab, operators can cover more acres in a day and know, with confidence, that their sprayer, planter or fertilizer applicator is operating properly.

Features:

- Individually monitor flow performance from every spray tip or metering orifice on your equipment.
- Sentry 6141 utilizes a compact flow meter integrated into each nozzle body.
- With an ISOBUS-compatible design, Sentry 6141 can connect to an existing TeeJet or third-party Universal Terminal (UT) and eliminates the need for an additional console in the cab.
- Flow meter detects flow variation caused by clogs, nozzle damage or loss, or upstream flow restrictions.
- System can monitor up to 120 spray nozzles simultaneously.
- Error is indicated by audible alarm, display notification and illuminated LED at the affected nozzle.
- Flow meters rated from 0.15-2.5 GPM (0.6-9.5 l/min) and maximum pressure of 150 PSI (10 bar).

Part	Description
	Step 1: Choose a Sentry 6141 Basic Kit
AG429699	Kit, Basic Sentry 6141, Multiple Sections (1-15) Includes: ISO Tip Flow Monitor Interface, ISO TFMI Harness, Boom Interface Module, Boom Sense 1-15 Harness, CAN Terminators
AG429700	Kit, Basic Sentry 6141, Single Section Includes: ISO Tip Flow Monitor Interface, ISO TFMI Harness, Boom Interface Module, Boom Sense Single Section, CAN Terminators
	Step 2: Choose Tip Sensor Kit
AG428864	Kit, Dual Flow Sensor Includes: (2) Flow Meters and (1) Dual Tip Sensor Interface
AG429702	Kit, Single Flow Sensor Includes: (1) Flow Meter and (1) Single Tip Sensor Interface
AG429703	Kit, Single Flow Sensor with 50"/127-cm Sensor Leads Includes: (1) Flow Meter and (1) Single Tip Sensor Interface
AG429704	Kit, Dual Flow Sensor with 50"/127-cm Sensor Leads Includes: (2) Flow Meters and (1) Dual Tip Sensor Interface
	Step 3: Choose ISOBUS Connection Cable
AG429705	Cable, ISOBUS TFMI Tee, John Deere 12 Pos
AG429706	Cable, ISOBUS TFMI Tee, Raven
AG429707	Cable, ISOBUS TFMI Tee, Case IH
AG429708	Cable, ISOBUS TFMI Tee, IBBC ISO Hitch
	Step 4: Choose Extension Cables
AG429709	Cable, 3'/0.9m Sensor Extension
AG429710	Cable, 6'/1.8m Sensor Extension
AG429711	Cable, 12'/3.7m Sensor Extension
AG428865	Cable, 35'/10.6m Sensor Extension

Pentair® Hypro™ ProStop-E Valve



- Control spray activation directly on Hypro ProFlo nozzle bodies
- Instantaneous on-off control with 12-volt actuation eliminates misapplication and waste
- Eliminates the need for centralized valve banks, allowing on/off control at the nozzle body for individual or small section control
- Two actuation mode options:
  - Simple, 3-wire, 12-volt on/off actuation
  - Operate as an individually addressed valve on a CAN bus/ ISOBUS system
- Robust, quarter-turn electric ball valves are highly reliable when compared to solenoid and plunger valves
- Innovative locking collar mechanism allows for easy adjustments to valve orientation on the nozzle body
- Extremely low continuous power consumption
- High flow capacity in a compact valve design

Part	Description
ACX4002490	Hypro ProStop-E Valve
ACX4002500	Hypro ProStop-E Valve with RH Hypro ProFlo 5-Way Rotary Nozzle Body
ACX4002510	Hypro ProStop-E Valve with LH Hypro ProFlo 5-Way Rotary Nozzle

AA144P DirectoValve® Control Valve



The AA144P high-pressure solenoid-operated DirectoValve was specifically designed to provide a remote on/off boom control for agricultural and turf sprayers. It is powered by the rig's 12-volt DC electrical system and is direct acting with large internal flow chambers, thereby making it suitable for wettable powder applications. The unit is compatible with the spraying system's sprayer controls.

Features Include:

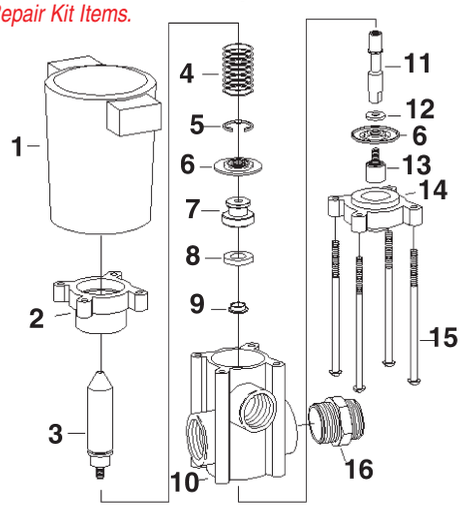
- Operating pressure range from 0 to 100 PSI
- Two 3/4" FNPT inlet connections to provide continuous bypass flow
- 1/2" FNPT outlet to spray line
- Large flow capacities—only 5 PSI pressure drop with 10 GPM flow
- Mounting slot for 6mm hex bolt (bolt not included)
- Nylon-encapsulated 12VDC coil with recessed 1/4" quick-connect terminals
- 2.5-amp power requirement
- Excellent corrosion resistance
- Polypropylene valve body
- Internal metal parts are stainless steel
- Chemical-resistant FKM seat washer and diaphragms
- Solenoid requires no adjustment

Note: *Repair Kit includes: spring, two diaphragms, and seat washer.*

Part	Description
AG056424	144P-1 Single Valve
AG056425	144P-2 Two-Valve Assembly
AG056426	144P-3 Three-Valve Assembly
AG056427	AA144P Repair Kit for Single Valve

AA144P DirectoValve® Repair Parts

Note: **Repair Kit Items.*



Ref	Part	Description
1	AG056428	Coil
2	AG052296	Housing, Upper
3	AG056429	Armature
6	AG052304	Diaphragm, FKM (2 req'd)*
7	AG001970	Seat Washer Retainer, Stainless Steel
8	AG052022	Seat Washer, FKM*
9	AG001973	Spacer, Stainless Steel
10	AG001968	Body, Poly
11	AG006364	Stem
12	AG001969	Washer, Stainless Steel
13	AG052300	Piston, Lower
14	AG052301	Housing, Lower
15	AG001976	Screw, Stainless Steel
16	AG052259	Nipple, Use for Multiples
	AG056427	AA144P Repair Kit for Single Valve

AA144P 3-Way DirectoValve®



The 144P-1-3 three-way solenoid-operated DirectoValve control valve was specifically designed to provide bypass control in spraying applications. When used with part number 23520-PP throttling valve or a CP4916 metering orifice plate in the bypass line, it can provide for a constant-pressure spray system.

- For pressure to 65 PSI (4.5 bar)
- 5 PSI (0.34 bar) pressure drop with 8 GPM (30 LPM) flow
- Fabric-reinforced FKM diaphragms
- Nylon-encapsulated 12VDC coil with 1.4" quick-connect terminals
- 2.5-amp power requirement
- Glass-filled polypropylene (black) valve body
- Internal metal parts are stainless steel
- No stroke adjustment needed
- Corrosion-resistant 430SS solenoid grade armature and armature stop

Note: *Repair Kit includes: spring, two diaphragms, and two seat washers.*

Part	Description
AG057803	AA144P-1-3 Single Valve
AG426411	AA144P-3-3 Three-Valve Assembly
AG059201	Repair Kit for Single Valve AA144P-1-3

AA144A DirectoValve

DirectoValve®



Designed to provide remote on/off boom control, this 12V direct-acting valve has large internal flow chambers to reduce clogging. A polypropylene body with stainless steel wetted parts provides excellent corrosion resistance. Coil can be changed without removing valve from manifold. Valves are equipped with either EPDM or FKM diaphragms and seat washers.

- 3/4" inlet, 1/2" boom outlet
- 10 GPM at only 5 PSI drop
- Draws only 2 amps
- Maximum pressure 100 PSI
- Good corrosion resistance

Note: *Repair Kit includes: spring, two diaphragms, and seat washer.*

Part	Description
AG052262	AA144A-1 EPDM Single Valve
AG052263	AA144A-1 FKM Single Valve
AG052264	AA144A-2 EPDM Two-Valve Assembly
AG052265	AA144A-2 FKM Two-Valve Assembly
AG052266	AA144A-3 EPDM Three-Valve Assembly
AG052267	AA144A-3 FKM Three-Valve Assembly
AG052260	Repair Kit 144A, EPDM
AG052261	Repair Kit 144A, FKM

Banjo "Quik-Stop" Air-Actuated Shutoff Valves



"Quik-Stop" valves deliver positive no-drip nozzle shutoff. They are made of glass-filled polypropylene for superior chemical resistance and come standard with EPDM rubber seal (FKM optional). Large flow-through design resists clogging; ideal for fertilizer suspensions. "Quik-Stop" valves are easy to maintain and operate with air pressures from 60 PSI to 100 PSI. Maximum liquid pressure is 80 PSI. Available in 3/4" and 1" (F) NPT. Valves have two 1/4" NPT air inlets.

Part	Description
AG517857	3/4" x 3/4" EPDM
AG054383	3/4" x 3/4" FKM
AG517859	1" x 1" EPDM
AG054467	1" x 1" FKM
576401D1	1" x 3/4" EPDM
AG054350	1" x 3/4" FKM

Banjo Instant Alignment



Includes "Quik-Stop" and a 3/4" female coupler. The coupler features our patented tab-and-groove alignment system when using Accu-Switch nozzle adapters.

Part	Description
AG517856	1" x 3/4" QC EPDM

Replacement Components for Instant Alignment

Part	Description
576402D1	Body
AG609471	Seal, EPDM
AG609472	Seal, FKM
AG609475	End Plate 3/4"
AG609474	End Plate 1"
AG609473	End Coupler 3/4"
AG000747	Plug 1/4"
AG609477	O-ring Plug

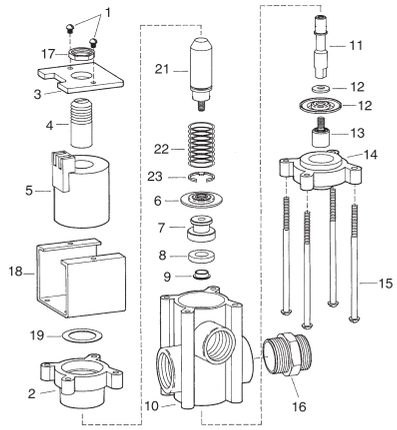
AGCO "Quik-Stop" Valve—Seals and Seal Installation Tool

Part	Description
AG713739	Installation Tool
AG609471	EPDM Seals (12 ct)
79016935*	Silicone Lube

* See note in your order system before placing your order

AA144A DirectoValve Repair Parts

Note: **Repair kit items.*



Ref	Part	Description
1	AG006142	Screw
2	AG052296	Housing, Upper
3	AG052291	Cover, Coil
4	AG052292	Armature Stop
5	AG052293	Coil
6	AG052299	Diaphragm, EPDM (2 req'd)*
6	AG052304	Diaphragm, FKM (2 req'd)*
7	AG001970	Seat Washer Retainer, Stainless Steel
8	6631551	Seat Washer, EPDM*
8	AG052022	Seat Washer, FKM*
9	AG001973	Spacer, Stainless Steel
10	AG001968	Body, Poly
11	AG006364	Stem
12	AG001969	Washer, Stainless Steel
13	AG052300	Piston, Lower
14	AG052301	Housing, Lower
15	AG001976	Screw, Stainless Steel
16	AG052259	Nipple, Use for Multiples
17	AG052290	Nut Jam
18	AG052294	Strap
19	AG052295	Washer
21	AG052297	Armature
22	AG052298	Spring*
23	AG052289	Retaining Ring
	AG052260	Repair Kit 144A, EPDM (See Note)
	AG052261	Repair Kit 144A, FKM (See Note)

AA144A 3-Way DirectoValve



This valve is designed to provide bypass control and maintain a constant system pressure through the use of an orifice in the secondary bypass line. The orifice is equal in size to the volume of the nozzles on the boom section. For pressures up to 65 PSI and flows to 8 GPM (5 PSI pressure drop).

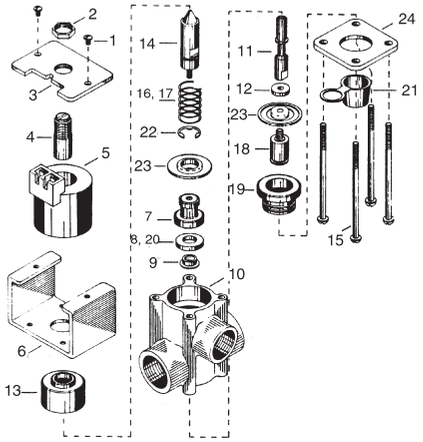
- Outlet #1: 1/2"
- Outlet #2: 3/4" inlet flow-through continuous
- Outlet #3: 1/2"

Part	Description
AG007709	AA144A-1-3 Single Valve
AG008997	Repair Kit for AA144A-1-3

Old-Style 144 DirectoValve Repair Parts

The 144 valve is the older style and has been replaced by the AA144A.

Note: **Repair kits include diaphragms, seat washer, and boot.*



Ref	Part	Description
1	AG006142	Screw
7	AG001970	Seat Washer Retainer, Stainless Steel
8	AG052022	Seat Washer, FKM*
9	AG001973	Spacer, Stainless Steel
10	AG001968	Body, Poly
11	AG006364	Stem
12	AG001969	Washer, Stainless Steel
15	AG001976	Screw, Stainless Steel
17	AG006366	Spring
20	6631551	Seat Washer, EPDM*
21	AG001979	Boot*
23	AG006975	Diaphragm, EPDM
23	AG008639	Diaphragm, FKM*
	AG001595	Repair Kit 144 - EPDM
	AG007421	Repair Kit 144 - FKM

AA145H DirectoValve



The 145H solenoid-operated DirectoValve was specifically designed to provide a remote on-off control for farm spray applications. They are powered by the rig's 12-volt electrical system and are direct acting with large internal flow chambers, thereby making them suitable for wettable powder applications.

145H Features:

- 1" outlet to spray line
- Operating pressure range 0-100 PSI
- Weight approx. 6 lbs
- Fiberglass-reinforced nylon valve body
- Large flow capacities—only 5 PSI drop with 15 GPM flow
- Internal metal parts are stainless steel
- Coil can be changed without removing valve from line
- Two 1" inlet connections to provide continuous bypass flow and/or gang multiple valves
- Polyester-encapsulated 12VDC 35-watt coil with recessed 1/4" quick-connect terminals

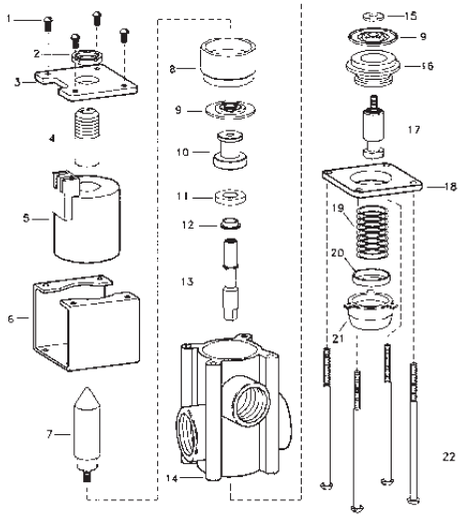
Note: *Repair kit includes diaphragms, seat washer, and boot.*

Part	Description
AG050879	AA145H-1 EPDM
AG051247	AA145H-1 FKM
AG050880	Repair Kit 145H - EPDM
AG051365	Repair Kit 145H - FKM

AA145H DirectoValve Repair Parts

Repair parts for 145H valve.

Notes: *Repair kit includes: diaphragms, seat washer, and boot. If a reference number is not listed below, the part is no longer available.*



Ref	Part	Description
4	AG006979	Armature Stop
5	AG006557	Coil Electric
7	AG006978	Armature
9	AG006975	Diaphragm, EPDM
11	NLA	Seat Washer, FKM
12	AG006972	Spacer, Stainless Steel
13	AG006971	Stem, Stainless Steel
16	AG006968	Lower Diaphragm Assembly
19	AG051353	Spring, Stainless Steel
20	AG006964	Spring Retainer, Stainless Steel
21	NLA	Boot, EPDM
	AG050880	Repair Kit 145H - EPDM
	AG051365	Repair Kit 145H - FKM

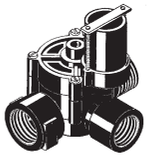
Model 2201 Solenoid Valve



- Housing is glass-filled nylon 1/4" (F) ports
- Stainless steel wetted parts 12VDC
- 1 amp at 12 volts
- 125 maximum PSI
- 1 GPM
- 120°F maximum
- FKM fitted, Aflas® optional

Part	Description
AG713666	Valve 2201

Model 1999A Solenoid Valve



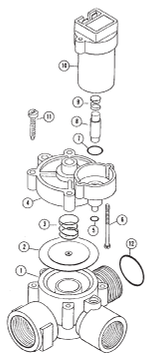
Model 1999A 12-Volt DC Electric Boom Shutoff Valve has 1" NPT female inlet, 1" male bypass outlet, and 3/4" NPT female boom line outlet for high-volume applications at minimum pressure loss (pressure drop is only 5 PSI at 18 GPM). Current draw of only 1 amp. Chemical-resistant, glass-filled polypropylene body with FKM diaphragm and seals. Response time: 0.2 seconds turn-on; 0.5 seconds turn-off. Maximum recommended pressure, 175 PSI. For multiple valve units, simply screw one valve to another—no trouble-some or leaking nipples and seals are needed.

Notes: *The AG710204 Model 1999A in the very early models used a longer plunger, which is 1-1/4" long, versus a shorter plunger, which is 1" long in the later models. Consequently, there is a different part number for the FKM service repair kit for the earlier model 1999A valves (kit p/n is AG713664). Parts between the early-style kit p/n AG713664 and the later-style repair kit p/n AG059096 are the same except for the different length plungers.*

Part	Description
AG710204	Model 1999A Valve
AG059096	FKM Repair Kit 1999A
AG059097	Aflas® Repair Kit 1999A
AG713664	FKM Repair Kit 1999A Early Model
AG713316	Aflas® Repair Kit 1999A Early Model

Solenoid Valve

Note: *** Items are included in the kits.*



Ref	Part	Description
1	AG710216	Body
2**	AG710217	Diaphragm, FKM, Standard
2	AG712272	Diaphragm, Aflas®, Optional
4	AG710219	Cover
5**	AG710220	O-ring, FKM, Standard
7**	AG710221	O-ring, FKM, Standard
8**	AG059092	Plunger, FKM, Standard
8	AG059093	Plunger, Aflas®, Optional
10	AG059094	Coil
	AG059096	FKM Repair Kit 1999A
	AG059097	Aflas® Repair Kit 1999A

Model 1999A Manifold Assembly



Three Model 1999A valves, one 1" electric regulator assembled with mounting bracket.

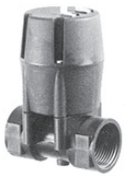
Part	Description
AG710234	Valves with Regulator
AG059096	FKM Repair Kit 1999A
AG059097	Aflas® Repair Kit 1999A

Raven Electric Shutoff Valves



Part	Description
AG427292	Valve 1" On/Off Carbon Steel

Electric Regulators



Electric regulators allow the operator to adjust spraying pressures from the comfort of the seat with fingertip ease. Switch and wiring sold separately.

Note: *Use 3/4" for flows up to 65 GPM and 1" for flows from 30 to 95 GPM.*

Part	Description
AG007985	1" Poly Regulator (30-95 GPM)
AG710192	Switch with Wiring

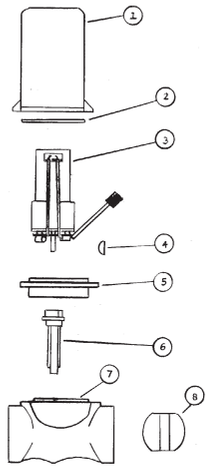
Regulating Valves

Raven regulating valves.



Part	Description
AG714406	Regulating Valve 1/4" Stainless Steel
AG714753	Regulating Valve 3/4" Poly
AG009013	Regulating Valve 3/4" Nylon
AG007287	Regulating Valve 1" Poly
AG059455	Regulating Valve 1-1/2" Poly - Flanged
AG726248	Regulating Valve 2" Stainless Steel

1" and 1-1/2" Poly Regulator Repair Parts



Ref	Part	Description
1	AG710501	Cover Valve
2	AG708732	Seal
3	AG708733	Motor
4	AG708725	Key
6	AG708728	Coupler Shaft, 1"
6	AG725914	Coupler Shaft, 1-1/2"
7	AG008943	Valve Body, 1" - Flanged/NPT
7	AG709552	Valve Body, 1-1/2" - Flanged/NPT
8	AG708731	Butterfly, 1"
8	AG708730	Butterfly, 1-1/2"

Model 244 Regulating Valve



For remote pressure control. For 12VDC system. Maximum pressure 100 PSI. Good corrosion resistance—Celcon®, FKM, and stainless steel fitted. Valve has low amp draw. A DPDT-centered switch can be ordered separately.

Part	Description
AG008927	3/4" Poly Valve
AG008809	Repair Kit

Raven Boom Valve



The Raven Boom Valve offers dual installation options (flanged style or threaded ports), easy maintenance (all working components can be removed from the stack by simply removing a pin) and rapid response time (0.7 seconds full open to full close). All this and the flexibility of up to 10 boom sections.

Features:

- 40 GPM flow rate at a 5 PSI pressure drop per valve
- 0.7 seconds full-open to full-close cycle time
- 175 PSI maximum working pressure
- Flanged or NPT-threaded plumbing options
- Stainless steel wetted parts
- Current draw: 2 amps typ. (5 amps max.)
- 12-volt operation
- Plunger-style valve for complete shutoff
- 1/4" (F) NPT gauge port

Note: *2" Full Port Banjo flange inlet, 3/4" (F) NPT boom outlets.*

Part	Description
AG059532	Single Manifold Valve
AG059531	3-Section Manifold Valve
AG426654	5-Section Manifold Valve

TeeJet 344 BE Valve



Replacement ball valve for SpraCoupe 215, 216, 218, 220, 230, 223, 233, 3430, 3630, 3440, 3640, 3450, 3640, 3650, 4440, 4640, 4450, 4455, 4460, 4660, 4650, and 4655. Works with double-pole, double-throw motor switch. Now equipped with a Metri-Pack Fitting.

Part	Description
AG426406	Two-Way 1" Ball Valve, 1-Second Shutoff, 3-Pin Weather Pack
AG426399	Two-Way 1" Ball Valve, 1-Second Shutoff, Pigtail

Model 344 BEC Valves



Valves are compatible with all currently available sprayer controls. Quick 0.6-second response time from open to close. Pressures up to 300 PSI and made of corrosion-resistant materials.

Notes: *All valves have wire connectors to adapt to the model 744A controls. These 12-volt DC-operated valves can be operated by an SPST (on/off) switch. Three-way valves have three ports. Flow is diverted to either of the two outlets and there is no off position. Now equipped with a Metri-Pack Fitting.*

Part	Description
AG426400	Valve 2-Way 3/4" 32 GPM
AG426420	Valve 2-Way 1" 32 GPM
AG426405	Valve 3-Way 3/4" 24 GPM
AG426404	Valve 3-Way 1" 24 GPM
AG427494	Valve 3-Way 1" 24 GPM (Stainless Steel Ball)
AG427640	Replacement Motor

TeeJet 530 Series Manifolds



The 530EC shutoff manifold provides a compact boom shutoff solution that is ideal for lower flow rate applications, including smaller sprayers and sprayers equipped with a large number of boom sections. The plunger valve design provides exceptional closing force for positive shutoff and sealing. When working with abrasive solutions, the plunger and seat can also provide improved wear-life as compared to other valve designs.

Features:

- 50 Series flange inlet (75 Series and large quick connect also available. (Have dealer contact AGCO Parts Marketing for details.)
- Easy installation
- Choice of MINI DIN or Metri-Pack Connector
- Stainless steel stem provides excellent durability and chemical resistance
- Quick-release motor head allows for field inspection
- 0.7-second on/off
- SS mounting brackets
- IP67 waterproof rating
- 10 GPM@5 PSI / 14 GPM@10 PSI

Part	Description
ACP0833970	**DIN Connector** 3-Bank 2-Way Manifold, 50 Series Flange
AG430359	**DIN Connector** 5-Bank 2-Way Manifold, 50 Series Flange
AG430358	**Metri-Pack Connector** 3-Bank 2-Way Manifold, 50 Series Flange
AG430360	**Metri-Pack Connector** 5-Bank 2-Way Manifold, 50 Series Flange

TeeJet 430 Series 2-Way Ball Valve Manifolds



Platform of compact, durable valves provides superior performance. 430 two-way ball valves provide simple, dependable on/off control.

Features:

- Durable. All-metal gears provide long wear life; stainless steel stem and ball resist corrosion.
- Economical. Reliable performance at a reasonable cost.
- Flow rate of 11.7 GPM (44 LPM) at a 5 PSI (0.34 bar) pressure drop
- Great for simple small and medium-size sprayer applications

Notes: *Three- and five-bank valve manifolds include 1" NPT female fitting on inlets and three-wire 0.5 meter (19") cable. Outlet fittings sold separately and listed below.*

Part	Description
AG428447	3-Bank 2-Way Manifold
AG428448	5-Bank 2-Way Manifold
AG428449	Replacement Motor
AG428450	Spare Parts Kit
AG428451	Ball and Stem Kit

TeeJet 450 Flow-Back Valves



The 450 flow-back valves allow pressure from the boom lines to be relieved back to the tank when the valve is switched to the off position. Now equipped with a Metri-Pack Fitting.

Features:

- 0.7-second shutoff fully open to close
- 1" pipe thread outlets
- Flow rate is 32 GPM (120 LPM) with 5 PSI (0.34 bar) pressure drop per valve
- Maximum pressure rating of 200 PSI (14 bar)

Part	Description
AG427495	Flow-Back Valve, Single Manifold
AG427496	Flow-Back Valve, 3-Valve Manifold
AG427497	Flow-Back Valve, 5-Valve Manifold
AG427640	Replacement Motor

TeeJet 450 Narrow Manifolds



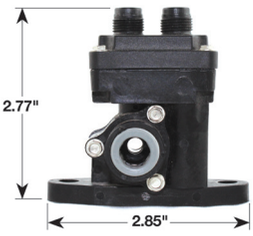
Now equipped with a Metri-Pack Fitting.

Features:

- 0.6-second shutoff
- 32 GPM with 5 PSI pressure drop
- Max pressure 200 PSI
- Flexible inlet/outlet connections allow for quick, simple plumbing for as many valves as needed for your sprayer
- Stainless steel stem with polypropylene ball

Part	Description
AG427595	Valve 450N Single Manifold
AG427596	Valve 450N 3-Valve Manifold
AG427597	Valve 450N 5-Valve Manifold
AG427640	Replacement Motor

KZ Valve ZIPValve



The KZValve ZIPValve two-way Motorized Ball Valve is designed with extreme precision in mind. KZValve's design allows for instantaneous On/Off control with a standard port ball valve.

Features:

- 1/4" standard port, compact motorized ball valve.
- Nylon valve body—maximum 150 PSI at 70°F
- Ball: 316 stainless steel
- Stem: 316 stainless steel
- Valve seat: PTFE
- Stem seal: FKM
- Compact design weighing only 4 ounces, which allows for more options when mounting
- 3/8" female dual O-ring push to connect, providing a simple plumbing solution
- Extremely low continuous power consumption: 0.10-0.15 amps
- Available in two control options:
  - Simple three-wire, 12-volt on/off actuation
  - Operating as an individually addressed valve on a LINBUS system

Part	Description
AG428987	1/4" ZIPValve
AG428988	Dust Cap
AG428989	A-Bare Code, Ultra-Lock, M12, 2 Meter
AG427640	A-D Code, Ultra-Lock, M12, 1 Meter (Daisy Chain)

Waterproof Electric Ball Valves



1" Stainless Steel 3-Piece, 2-Way Direct Mount Ball Valves

Full port, stainless steel ball, FNPT, ball valve, direct mount to actuator, with manual handle, 12-volt DC motor. Maximum PSI: 600 PSI at 70°F

- 1" full port stainless steel valve with manual handle
- Mounts directly to actuator
- Valve body: stainless steel (CF8M)
- Ball: 316 stainless steel
- Stem: 316 stainless steel
- Seat: Virgin PTFE

Part	Description
AG428757	1" Stainless Steel, 3-Piece, 2-Way w/Man Handle

TX2 Manifold Ball Valves



1/2" Polypropylene 2-Way, 3-Way and Metered Bypass Ball Valves—Single Valves, Manifolds

- Full port, stainless steel ball, polypropylene valve body, stainless steel valve stem, 12-volt DC actuator.
- 1/2" valve maximum PSI: 150 PSI at 70°F (polypropylene)
- 1/2" full port three-way valve manifold
- Valve body: Polypropylene, glass-filled
- Ball and stem: 316 stainless steel
- Valve seat: PTFE • Stem seal: FKM

Part	Description
AG428758	1/2" Poly Triple Manifold Valve, w/EH7 On/Off
AG428759	Fitting Kit, End Cap, Female OD Quick-Connect
AG428760	Fitting Kit, End Cap, Male OD Quick-Connect
AG428761	Fitting Kit, 3/4" Straight Hose Barb x Female OD Quick-Connect
AG428762	Fitting Kit, 1" Straight Hose Barb x Female OD Quick-Connect
AG428763	Fitting Kit, 3/4" 90° Hose Barb x Female OD Quick-Connect
AG428764	Fitting Kit, 1" 90° Hose Barb x Female OD Quick-Connect
AG428765	Fitting, Metered Bypass Assembly
AG428766	V-Clamp Kit, for 1" Flange and EPDM Gasket

Note: *Fittings sold separately.*

EH2 KZ Valve 12 DC Actuator Only



12-Volt DC Only Actuator, Solid State, No FB

This second-generation Solid State EH2 Series actuator is a direct replacement from the first generation.

Features and Benefits:

- Motors able to cycle 3/4"-3" valves.
- Dual round cable entrances
- Allowing up to seven wires
- Updated cable grip/strain relief system
- Waterproof actuator housing (rated NEMA 6P) protects internal components from corrosion and extends actuator life

Part	Description
ACP0523830	On/Off, 1.5 Sec (+)Sig Open, 4-Wire, Con-X-All Connector
ACP0523840	On/Off, 3 Sec (+)Sig Open, 3-Wire, Weatherpak 3-Pin Connector
ACP0523850	On/Off, 1.5 Sec (+)Sig Open, 3-Wire, Weatherpak 3-Pin Connector
ACP0523860	Positionable, 3 Sec Sig1 Open/Sig2 Close, 4-Wire, Weatherpak 4-Pin Connector Quick-Connect

Tru-Torq Electric Ball Valves



2" and 3" Polypropylene 2-Way Ball Valves

- Full port, polypropylene ball, polypropylene valve body, stainless steel valve stem, flange connection, KZValve Waterproof Electric Actuator
- 2" valve maximum PSI: 150 PSI at 70°F (polypropylene)
- 3" valve maximum PSI: 100 PSI at 70°F (polypropylene)
- Valve body: Polypropylene, EPDM O-rings
- Ball: Polypropylene
- Stem: 316 stainless steel
- Valve seat: Virgin PTFE with EPDM back-up O-rings

Part	Description
ACP0523850	2" Poly, FP, 2-Way, EH22, 1.5 Sec., On/Off, 3-Wire
AG428756	3" Poly, FP, 2-Way, EH22, 3 Sec., 1/4-Turn On/Off, 3-Wire
593300D1	2" for RoGator C-Series, 7 Sec.

KZValve 67 Series Stainless Steel Ammonia Valves



- 1"-vented, two-way stainless steel ball valves
- Maximum 2,000 PSI
- 316 stainless steel ball (vented)
- 316 stainless steel stem with EPDM O-ring
- CF8M stainless steel valve body
- Molecularly-Enhanced Virgin Teflon® (ME-PTFE) seat
- Adjustable ME-PTFE stem packing
- UV-modified, glass-filled nylon housing is durable, impact resistant, and provides lower maintenance cost
- Waterproof actuator housing (rated NEMA 6P) protects internal components from corrosion and extends actuator life
- Includes: actuator, KZ stainless steel-vented, two-way valve, and Con-X-All plug

Part	Description
AG428452	1" On/Off Stainless Steel Anhydrous Ammonia Valve
AG428453	1" Regulating Stainless Steel NH_3 Valve

KZValve Ammonia Valve Retro-Fit Kits



The KZValve Ammonia Valve Retro-Fit Kits are designed to directly bolt on and plug into a Raven brand anhydrous ammonia system. These reliable actuators are designed to perform operation-essential fluid-control applications in extreme conditions and are ready to work as hard as you do season after season.

- Actuator connects directly to a Raven brand anhydrous system.
- No wiring adapters are required.
- No additional mount brackets are required.

Kits Include: actuator, coupler, mounting bracket, fasteners for mounting to 1" and 1-1/4" Jamesbury clincher valve, and Con-X-All plug.

Note: *Does not include Jamesbury valve.*

Part	Description
ACP0523830	Retro-Fit Kit On/Off Actuator
AG428455	Retro-Fit Regulating Actuator Kit

Legacy Banjo Motorized Ball Valves



Polypropylene valves are fitted with Teflon® seals, FKM O-rings, and 304 stainless steel hardware. Maximum 150 PSI. The 12-volt DC motor is rated at 3.5 amps and has an internal fuse with an automatic reset. Actuation time is 3/4 second for 3/4" to 1-1/4" valves. Actuation time is 1-1/4 seconds for 1-1/2" to 2" valves.

Part	Description
AG055292	3/4" Valve Assembly
ACP1020490	1" Full Port Valve Assembly
AG430307	1-1/4" Valve, 1" Port Assembly
ACP0919700	1-1/2" Full Port Valve Assembly
AG727410	2" Valve, 1-1/2" Port Assembly
AG727411	2" Full Port Valve Assembly
AG427287	3/4" Valve Sub-Assembly
AG427288	1" Valve Sub-Assembly
AG430317	1-1/4" Valve Sub-Assembly
AG426643	1-1/2" Valve Sub-Assembly
AG426637	2" Valve Sub-Assembly
AG427498	2" Full Port Valve Sub-Assembly
AG427290	Valve Repair Kit (3/4" to 1-1/4") Stem/Seals, Gasket, Body O-Rings, Ball Seats
AG427498	Valve Repair Kit for 2" Full Port Valve
AG427290	Valve Actuator Only - 4-Wire, 3/4 Sec. On/Off

Legacy Banjo Flange Valve



Banjo motorized ball valve is also available with 1" flanges for threadless connections—great for manifolds!

Note: *See Couplers section for flange pipe fittings and connectors.*

Part	Description
AG430331	1" Full Port Flange Valve Assembly, 3-Wire
AG727413	2" Std. Port Flange Valve Assembly, 3-Wire
ACP0403550	2" Full Port, 1-1/2 Second, 5-Wire, Open/Close Indicator, Feedback
AG430334	2" Full Port Valve Assembly
AG430331	1" Full Port Flange Electric Valve Sub Assembly
579308D1	2" Electric Flange Valve Sub Assembly

Legacy Flange Manifold Valve 3-Way



Banjo three-way manifold ball valves direct flow to left or right. Valves cannot be turned off. Includes full assembly.

Note: *See Couplers section for flange pipe fittings and connectors.*

Part	Description
AG430347	1" Full Port Valve Assembly
AG430348	2" Std. Port Valve Assembly
AG430349	2" Full Port Valve Assembly

Legacy Manifold 3-Valve Flange Assembly



Flange-style connections eliminate cross-threading and pipe sealants. Assembly is quick and easy using a "V"-style stainless steel worm drive clamp and an EPDM gasket at each connection.

- 1" full port valve
- 12VDC, 3/4-second response time
- Glass-filled polypropylene construction
- EPDM flange gaskets
- 360° connection orientation
- Maximum 150 PSI at 70°F

Notes: *Manifold pictured shows optional threaded inlet/outlet and boom hose connection that must be ordered separately. Manifold ends require 2" flange connections and valves require 1" connections; order separately from Couplers section of catalog.*

Part	Description
AG727423	3-Valve Flange Manifold

Banjo EVX Motorized Ball Valves

Banjo EVX valves offer some of lightest valves with the smallest foot-print on the market. Standard features include an LED light indicating power on/off (valve on/off optional), fuse blown. Smaller, Smarter, Tougher. EVX.

Features and Benefits:

- Valve bodies available in new compact welded construction
- Bolted drop-in versions to replace legacy valves also listed
- Proprietary poly formulation ensures precision tolerance, unmatched durability and cycle life
- Also available as a bolted valve, making easy drop-in replacement with Banjo's legacy EV product line.
- Welded construction supports sleek, compact valve design while eliminating a leak point
- 316 stainless steel ball valve, stem, hardware standard (poly valve optional, see notes)
- FKM stem seals
- Actuator rate to 500,000 cycles
- Solid-state reliability, 12VDC standard
- IP68 waterproof

Note: *Bottom-loads and side-loads also available. Optional features also include Bluetooth® capability, PWM, system open/close verify, LED open/close verify, temperature/voltage diagnostics, cycle counter. Ask dealer to contact AGCO Parts Marketing for ordering optional features.*



EVX Valve Full Assemblies—NPT

Welded Valve		Bolted Valve	Bolted On/Off Legacy Equivalent	Description
On/Off (3-Valve)	Regulating (4-Wire)			
ACP1020490	ACP1017590	AG430325	AG727407	1" Full Port Valve
AG430305	AG430306	AG430307	AG727408	1-1/4" Stand. Port EVX Electric Valve Assembly
AG430308	AG430309	AG430310	AG727410	2" Stand. Port EVX Valve Assembly
AG430326	AG430312	AG430313	AG727411	2" Full Port EVX Valve Assembly
				3" Full Port EVX Valve Assembly



EVX Valve Full Assemblies—Flanged

Welded Valve		Bolted Valve	Bolted On/Off Legacy Equivalent	Description
On/Off	Regulating			
AG430329	AG430330	AG430331	AG727412	1" Full Port Flange EVX Valve Assembly
AG430332	AG430333	AG430334	AG727413	2" Std. Port Flange EVX Valve Assembly
AG430335	AG430336	AG430337	AG727419	2" Full Port EVX Valve Assembly
AG430338	AG430339			3" Full Port EVX Valve Assembly

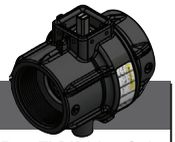


EVX 3-Way Full Assemblies—Flanged

Features and Benefits:

Benefits of the EVX Valve combined with the same functionality you've come to expect from Banjo's legacy 3-Way manifold flange assemblies. Valves cannot be turned off. Includes full assembly.

Part	Legacy Equivalent	Description
AG430347	AG727420	1" Full Port 3-Way EVX Valve Assembly
AG430348	AG727421	2" Std. Port 3-Way EVX Valve Assembly
AG430349	AG727422	2" Full Port 3-Way EVX Valve Assembly



EVX 2-Way NPT Sub-Assemblies

Welded Valve	Bolted Valve	Bolted Legacy Equivalent	Description
AG430317	AG430317	AG427289	1-1/4" Standard Port EVX Valve Only
AG430315	AG430318	AG426637	2" Standard Port EVX Valve Only
AG430316	AG430319	AG427498	2" Full Port EVX Valve Only
AG430340			3" Full Port EVX Valve Only



EVX 2-Way Flanged Sub-Assembly

Part	Description
AG430341	1" Full Port MEVX - Welded Stubby Valve Only
AG430342	2" Std. Port MEVX - Welded Stubby Valve Only
AG430343	2" Full Port MEVX - Welded Stubby Valve Only
AG430344	3" Full Port MEVX - Welded Stubby Valve Only

EVX Actuators Only

Part	Description
AG430320	EVX ACT 0.75SWWC 3-Wire On/Off (for 1", 1-1/4")
AG430321	EVX ACT 1.5S WWC 3-Wire On/Off (for 2")
AG430322	EVX ACT 4S 4W Regulating (for 1", 1-1/4" and 2")
AG430328	EVX ACT 4S 4W Regulating (for 3")

Banjo Easy-Fill™ Valve

Part	Description
AG430391	2" FP Easy-Fill Valve
AG430392	2" FP Easy-Fill Valve with Carry Handle
AG430393	3" FP Easy-Fill Valve
AG430394	3" FP Easy-Fill Valve with Carry Handle
AG430395	2" and 3" Carry Handle



EVX 3-Way Flanged Sub-Assembly

Part	Description
AG430350	1" FP EVX Side Load - Valve Only
AG430351	2" STD EVX Side Load - Valve Only
AG430349	2" FP EVX Side Load - Valve Only

EVX Manifold Flange Valve Banks

Features:

- 1" MEVX valves (AG430331) with 2" manifold/1" port tee (AG056288)
- 12V-DC
- Available in a 3- or 5-Bank Assembly



Part	Description
ACP0958240	3-Bank EVX Manifold Assembly

*See Note in your order system before placing your order



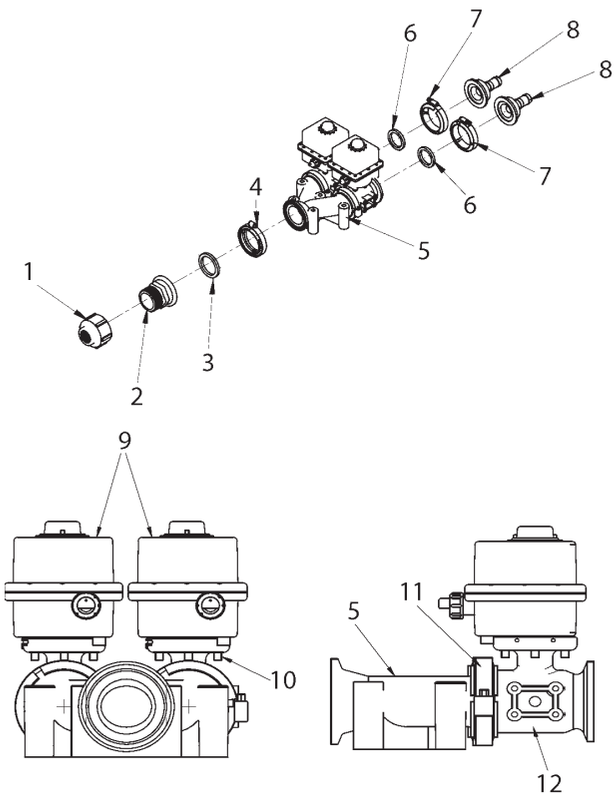
To find your nearest dealer or to order, go to parts.agcocorp.com

2003-2008 64/74/86C Ball Valve 1" Electric

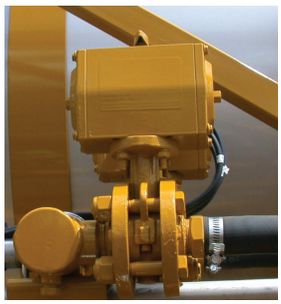
Application: Electric ball valve for ALL 2003-2008 64/74/86C RoGator liquid systems.

Note: *Item #11 O-ring is part number WR35020.*

Ref	Part	Description
1	AG050264	Reducer Coupling 1" x 2"
2	6272891m1	Adapter - 2" FP x 2" (M)NPT
3	6272877M1	2" FP EPDM Gasket
4	AG522895	2" Full Port (FP) Flange Clamp
5	AG121930	Y-Manifold
6	72663331	2" EPDM Gasket
8	ACX2401170	Connector 2" Flange x 1" Hose Barb
9	586673D1	Actuator
10	AG121926	K-Lock Nut 50-20NC
11	AG121922	Clamp V Band
12	AG121924	Body Valve Flange Outlet 1.00 2W
12.1	AG060921	Repair Kit Ball Valve
4+5+9+11+12	AG121882	



1994-02 Bray Valves



Repair kits for valves include EPDM seats, bushings, and stem seals. Also included are stem retainers in the 3", 4", and 5" kits.

Notes: ** Valves have spring return. ** Valves have dual action. Early model bray valves used 1/8" airline ports and the ports were located on the top portion of the actuator. Later models used 1/4" airline ports and the ports were located at the bottom of the actuator. If ordering a new assembly (AG518337)** and you have the early model, you will also need to order bushing adapters (AG558486) or new stem tube adapters (AG516230).*

**See note in your order system before placing your order

Part	Description
AG518337*	Valve 1" with Actuator
AG518486	Valve 1" without Actuator
AG717501	1" Valve Repair Kit
AG520375	2" Valve with Actuator (Single Acting) *
AG331615	2" Actuator Only
AG520374	2" Valve with Actuator (Dual Acting) **
AG520373	2" Valve Only
AG717133	2" Valve Repair Kit
525044D1	KZ Valve 2" with 7-Sec Actuator Sparger Valve
525212D1	KZ EH2 Actuator 7-Sec w/FDBK
AG520378	3" Valve with Actuator *
AG520377	3" Valve Only
AG714001	Stem Only
AG714229	Pointer
AG717132	3" Valve Repair Kit
AG331616	3" Actuator Only
AG520380	4" Valve with Actuator *
AG610186	4" Valve Only
AG717131	4" Valve Repair Kit
AG520382	5" Valve with Actuator *
AG610187	5" Valve Only
AG717130	5" Valve Repair Kit
AG331617	Actuator Only for 4" or 5" Valves
AG715417	Replacement Bushing Kit for 1" Valve/Actuator
AG714002	EPDM Seat for 1" Valve
AG522616	Breather Vent 1/8"
AG558486	1/4" x 1/8" NPT

*See Note in your order system before placing your orde

Bray Valves



Bray valves have cast iron bodies, stainless steel stem, EPDM seats and O-rings, and stainless steel disc. Handles may be positioned at 10 different stops. Repair kits include seat, bushing, stem seal, and stem seal retainer on 3" through 5" models.

Part	Description
AG520094	2" Valve
AG520095	3" Valve
AG520096	4" Valve
AG520383	5" Valve
AG717133	2" Valve Repair Kit
AG717132	3" Valve Repair Kit
AG717131	4" Valve Repair Kit
AG717130	5" Valve Repair Kit

Relief Valve



Banjo's relief valve will handle the pressure spikes in the boom plumbing system that can occur when the boom valves are shut off. The valve comes in three pressure ratings.

Note: *All flanges are 1".*

Part	Description
AG727425	Valve Relief 100 PSI
AG727426	Valve Relief 125 PSI
AG727426	Valve Relief 150 PSI

Poly Ball Valves—In-Line Style



Banjo ball valves are precision molded in polypropylene and reinforced with fiberglass for extra strength. Self-aligning ball moves freely against Teflon® seats for smooth operation. FKM O-ring and stem seal permit use with all agricultural fertilizers and chemicals. Fasteners are stainless steel. Maximum 100 PSI.

Note: *See Technical Pages for repair parts.*

Part	Description
AG000904	1/2" Poly FF Valve
AG513724	3/4" Poly FF Valve
AG000906	1" Poly Valve
AG000832	1" Poly FF Valve
AG000946	1-1/4" Poly Valve
AG006437	1-1/4" Poly FF Valve
AG513722	1-1/2" Poly FF Valve
AG513721	Bolted Poly Ball Valve 2" (F)NPT
AG056146	2" Poly FF Valve (4-Bolt)
AG513859	2" Poly FF Valve (6-Bolt)
AG513719	3" Poly Valve
AG005492	3" Poly FF Valve
AG055297	4" Poly Valve
AG051965	Handle Locking Device for Above Valves
AG053051	Handle Locking Device for Above Valves

Handle Risers for Banjo Valves



These risers will extend the handle from the ball valve to give more space between the valve and the handle.

Part	Description
AG426506	Riser 3/4", 1" 3-Way Ball Valves
AG426507	Riser 1" FP, 1-1/4" SP and 1" 3-Way SL Valves
AG426507	Riser 1" FP, 1-1/4" SP and 1" 3 BL Valves
AG426508	Riser 1-1/4" and 1-1/2" 3-Way BL Valves
AG426507	Riser 1-1/4" FPF - 2" SP 1-1/4" and 1-1/2" 3-Way SL Valves
AG426510	Riser 2" and 3" 3-Way BL Valves
AG426511	Riser 2" FPF and 2" 3-Way SL Valves
AG430353	Riser, 2" FF Valves

Poly Ball Valves—Hose End Style



Part	Description
AG000836	1-1/2" FF Poly Valve
AG513688	2" FF Poly Valve
AG000837	2" Poly Valve
AG005263	Nozzle Extension Only, 2" x 8"

Poly Ball Valve Handles

Part	Description
AG000996	Handle for 1" FF, 1-1/4" Valves
6624377	Handle for 1-1/4" FF, 1-1/2", 2" Valves
AG514194	Handle for 1-1/2", 2" Angle Valves
AG000796	Handle for 2" FF, 3", 3" FF and 4" Valves

Poly Ball Valve Repair Kits

Note: *Valve repair kits include: ball, ball seats, body O-rings, upper stem bushing, thrust washer, and stem O-ring.*

Part	Description
AG053968	Repair Kit for 1/2", 3/4" and 1" Valves
AG006570	Repair Kit for 1" FF and 1-1/4" Valves
AG056059	Repair Kit for 1-1/4" FF, 1-1/2" and 2" Valves
AG055789	Repair Kit for 2" FF Valves
AG054187	Repair Kit for 3" Valves
AG056057	Repair Kit for 3" FF Valves
AG056056	Repair Kit for 4" Valves
AG058436	Repair Kit for 2" Stubby Standard Port
AG430404	Repair Kit for 2" Stubby Full Port

Poly Check Valves



Features:

- One-piece construction
- Flanged connection
- 150 PSI maximum
- 2- to 3-PSI spring
- Glass-reinforced polypropylene
- 316 stainless steel springs
- EPDM gasket

Part	Description
526574D1	Valve Check 2" Flanged
ACP0496600	1/2" Standard Port Check Valve
ACP0496610	1" Male x Female NPT
ACP0496620	1" Standard Port
AG429193	2" Full Port Check Valve
ACP0496630	3" Full Port Check Valve

Stainless Steel Brackets



For mounting bolted poly valves straight or angle sizes 1-1/4" F.F. through 3" F.F.

Part	Description
AG056243	Bracket for In-Line Valves
AG056244	Bracket for Angle Valves

1" Poly Nozzle Valve



Valve is ideal for handling corrosive fluids. Maximum pressure 75 PSI and 40 GPM.

Part	Description
AG051851	1" Poly Nozzle Valve

Polypropylene Union Ball Valve



A quality ball valve at an economical price. The single-union valve is constructed of all polypropylene, and has Teflon® seats and EPDM O-rings to provide excellent resistance to most ag chemicals. They are non-restricted full-flow valves that can withstand pressures up to 100 PSI.

Note: *See Technical Pages for repair parts.*

Part	Description
AG050204	1/2" Poly Valve
700745743	3/4" Poly Valve
AG050206	Union Ball Valve 1" FNPT
AG050207	1-1/4" Poly Valve
AG050208	1-1/2" Poly Valve
AG050209	Union Ball Valve 2" FNPT

Single-Union Poly Valves



- Precision molded in glass-reinforced polypropylene, for strength and chemical resistance
- PTFE seats for smooth operation and proper sealing characteristics
- EPDM O-rings to handle most fertilizers and many chemicals. FKM (FKM-type) available
- Double O-rings in stem area for extra sealing protection
- Interlocking body and end plate to allow easy thread connection when installing valves
- Maximum operating pressure 100 PSI at 70°F

Part	Description
AG428456	1/2" Full Port Unio n Valve
AG428457	3/4" Full Port Union Valve
AG428458	1" Full Port Union Valve
ACX2951640	1" Full Port Manifold Union Valve
AG428459	1-1/4" Full Port Union Valve
AG428460	1-1/2" Full Port Union Valve
AG428461	2" Full Port Union Valve

Stubby Valves

BANJO Liquid Handling Products



The "stubby valve" is designed to eliminate unnecessary pipe fittings and, because it is compact, it can be used in areas where other valve assemblies will not fit.

Features:

- Glass-filled polypropylene
- All Teflon® seals
- Stainless steel bolts
- Unique compact design
- Lightweight
- Four design options

Part	Description
AG054330	2" Adapter x 2" FNPT Valve (1-1/2" Port)
AG726097	2" Adapter x 2" FNPT Valve (Full Flow)
AG054331	2" MNPT x 2" FNPT Valve (1-1/2" Port)
601008D1	2" MNPT x 2" FNPT Valve (Full Flow)
AG054332	2" Adapter x 2" MNPT Valve (1-1/2" Port)
AG726096	2" Adapter x 2" MNPT Valve (Full Flow)
AG059554	2" x 2" (F)NPT
AG427262	3" Manifold Flange x 3" Male NPT
AG428352	3" Flange x 3" Male Adapter
ACX2389840	2" FP Manifold x 2" Male Adapter
AG426518	Valve 2" Manifold
ACP0403600	3" Full Port Flange x Male Adapter
ACP0403640	3" Male NPT x Male Adapter

2" Full Port



Features:
- Stainless steel bolts
- Precision molded in polypropylene; polypropylene is reinforced with fiberglass for additional strength

- Self-aligning ball moves freely against the Teflon® seats for smooth operation. The valve opens and closes with very little pressure on the handle.
- Ball is diamond turned, after molding, to make it spherically perfect, which provides precise contact between ball and seats
- FKM O-ring stem seal
- Teflon® self-lubricating stem bushings and seats cannot stick or bind; maximum operating pressure 100 PSI

Part	Description
AG054501	2" Adapter x 2" MNPT 6-Bolt Valve
AG056147	2" Adapter x 2" MNPT 4-Bolt Valve

Flange Valves



Banjo flange valves have FKM seals and Teflon® ball seats, 150 PSI maximum working pressure.

Notes: *See Couplers section for required flange connection accessories. *Opening through ball.*

Part	Description
AG056269	1" Full Port Valve with Flange 4 Bolt, *1"
AG056764	2" Std Port Valve with Flange 4 Bolt, *1-1/2"
AG057862	2" Full Port Valve with Flange 4 Bolt, *2"
AG427261	3" Std Port Valve with Flange 6 Bolt, *2-1/2"
AG524437	3" Full Port Valve with Flange 6 Bolt, *3"

Spin Weld Ball Valves



Precision molded polypropylene is reinforced with fiberglass for additional strength.

Part	Description
AG430367	2" Valve, NPT Outlet, w/Cap & Foil Seal, Mauser® Collar
AG430368	2" Valve, QDC Outlet, w/Cap & Foil Seal, Mauser® Collar

3-Way Ball Valves

BANJO Liquid Handling Products



Features:
- Stainless steel bolts
- Precision molded in polypropylene; polypropylene is reinforced with fiberglass for additional strength

- Self-aligning ball moves freely against the Teflon® seats for smooth operation; the valve opens and closes with very little pressure on the handle
- Ball is diamond turned after molding to make it spherically perfect, which provides the right contact between ball and seats
- FKM O-ring stem seal
- Teflon® self-lubricating stem bushings and seats cannot stick or bind
- Maximum operating pressure of 100 PSI

Part	Description
AG053050	3/4" Side Load Valve (While Supplies Last)
AG053048	1" Side Load Valve
AG053046	1-1/4" Side Load Valve (While Supplies Last)
AG053044	1-1/2" Side Load Valve
AG053042	2" Side Load Valve
AG053049	3/4" Bottom Load Valve (While Supplies Last)
AG053047	1" Bottom Load Valve
AG053045	1-1/4" Bottom Load Valve
AG053043	1-1/2" Bottom Load Valve
AG053041	2" Bottom Load Valve

3-Way Flanged Valves



- Stainless steel bolts
- Precision-molded polypropylene
- Self-aligning ball moves freely against the PTFE seats for smooth operation. The valve opens and closes with very little pressure on the handle.
- FKM seals

- PTFE self-lubricating stem bushings and seats cannot stick or bind
- Max operating pressure of 100 PSI
- Bottom-load flow right or left valve can be turned off to stop flow
- Side-load flow right or left valve cannot be turned off to stop flow

Part	Description
545383D1	Valve 2" Bottom Load
542864D1	Valve 2" Full Port Bottom Load
AG426701	Valve 1" Side Load
AG426702	Valve 2" Side Load
AG426698	Valve 1" Bottom Load
AG426703	Valve 2" Full Port Side Load
AG426519	Valve 3" 3-Way Manifold



GatorGuide

Be sure to check out the "Poly Ball Valve Repair Kits" offering in the Valves section!

Dry-Mate



User-friendly: Operating Dry-Mate is simple. The handles interlock, making it easy to identify which handle opens or closes first. No guessing involved! The two Dry-Mate halves couple together with cam levers for positive engagement.

Design: The Banjo Dry-Mate is designed for safe and easy spill-free connections. The double-ball design allows maximum flow while the cam-lever style of connection is the most recognized fluid connector.

Notes: *Specifications: Size: 2"; Flow: 1-1/2" Port (unrestricted); Pressure Data: 100 PSI maximum at 70°F, 75 PSI maximum at 150°F; Materials: fiberglass-reinforced polypropylene, FKM, Teflon®, 316 stainless steel cam levers.*

Part	Description
AG054881	2" Male Dry-Mate NPT-FKM
AG054882	22" Female Dry-Mate NPT-FKM
AG430301	2" Full Port Male Dry-Mate NPT-FKM
AG430302	2" Full Port Female Dry-Mate NPT-FKM

*See Note in solutions to determine your desired part number

Dry-Mate Valve Repair Kits



Repair kits include replacement face seals, O-rings, balls, seats, body gaskets, bearings, and bushings.

Part	Description
AG055678	Female Dust Plug for 1-1/2" & 2"
AG055679	Male Dust Cap for 1-1/2" & 2"
AG430404	2" Full Port Dry-Mate Repair Kit
AG058424	1/2 & 2" Std Port Fml Repair Kit

All Stainless Steel Valves



A quality two-piece, full-port, all-stainless-steel valve with 1/4-turn handle. Seats and seals are made of Teflon®. Valve handle can be locked for both open and closed positions. Valves are rated at 1,000 PSI. -60 to 450°F operating temp.

Part	Description
AG007786	1/4" Stainless Steel Valve
AG007785	3/8" Stainless Steel Valve
AG007784	1/2" Stainless Steel Valve
AG059766	3/4" Stainless Steel Valve
AG007782	1" Stainless Steel Valve
AG007780	1-1/2" Stainless Steel Valve
AG007779	2" Stainless Steel Valve
AG427281	2-1/2" Stainless Steel Valve
AG007778	3" Stainless Steel Valve

SS Valve Repair Kits

Repair Kits for 88-Series stainless steel valves.

Part	Description
536546D1	1/4" Repair Kit (007786)
536547D1	3/8" Repair Kit (007785)
536548D1	1/2" Repair Kit (007784)
536549D1	1" Repair Kit (007782)
536550D1	1-1/4" Repair Kit (007781)
536551D1	1-1/2" Repair Kit (007780)
536552D1	2" Repair Kit (007779)
536553D1	3" Repair Kit (007778)

304 Stainless Steel Check Valves



Solid 304 body with stainless steel poppet, spring, and lock nut. Delrin® guide bearing for smooth poppet operation and FKM O-ring for added chemical resistance.

Part	Description
AG057506	1/2" Check Valve
AG057507	3/4" Check Valve
AG057508	1" Check Valve
AG057509	1-1/4" Check Valve
AG057510	1-1/2" Check Valve
AG057511	2" Check Valve
AG057512	3" Check Valve

Chrome-Plated Valves



These chromed brass valves are equipped with Teflon® seat and FKM seals. Rated at 300 PSI with a maximum temperature of 212°F.

Part	Description
AG712549	1/8" Valve
AG712550	1/4" Valve
AG712551	3/8" Valve
AG712552	1/2" Valve

Poly Micro Valves



- 90° rotating handle
- Precision-molded polypropylene is reinforced with fiberglass for additional strength
- Standard FKM (FKM-type) seats and O-rings
- Maximum operating pressure 150 PSI

Part	Description
AG428462	1/4" Female NPT Micro Valve
AG428463	3/8" Female NPT Micro Valve
AG428464	1/2" Female NPT Micro Valve
588794D1	LV050SLV 1/2" Side Load Micro Valve
ACX2951660	LV050SLLV 1/2" Side Load Locking Micro Valve

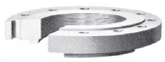
Push-to-Connect FKM Valve



Allows for fast and easy repairs and connections without having to un-thread entire assemblies.

Part	Description
598098D2	1/2" 2-Way PTC FKM Valve
605732D2	1/2" 90° 2-Way PTC FKM Valve

Valve Flanges



Part	Description
AG054469	2" Poly Flange
AG054456	3" Poly Flange
AG518365	1" Cast Iron Flange
AG554774	2" Cast Iron Flange
AG553026	3" Cast Iron Flange
AG553034	4" Cast Iron Flange
AG562963	5" Cast Iron Flange
AG710540	3" 304 Stainless Steel Flange
AG710541	4" 304 Stainless Steel Flange
AG552046	Flange Mounting Bolt
AG550477	Nut
SN668	Lockwasher

Flange Gaskets

Non-asbestos, Durlon®.

Part	Description
AG056121	1-1/2" Gasket
AG517044	Flange Gasket 3"
AG056123	4" Gasket
AG517045	5" Gasket

TeeValve® Control Valve



For selective control of three-boom section sprayers at pressures up to 300 PSI.

- Use to open any of three-boom section lines in any desired combination
- Raise lever to open; lower lever to close the valve without changing the indexed position
- Aluminum construction with stainless steel and plastic internal parts for maximum corrosion resistance

Note: *Model No. 17Y: inlet size - 1", outlet size - 3/4", bypass size - 3/4", gunlet size - 3/4".*

Part	Description
AG006268	TeeValve, 17Y
AG001549	TeeValve Repair Kit

Model 12690 Throttling Valve



For regulating flow in systems equipped with centrifugal pumps where sensitive regulation is required or to control flow in agitation lines.

Part	Description
AG001948	Valve Throttling 3/4" Ports

Throttling Valve



Valve is designed for use in the bypass line of the 144-1-3 boom solenoid valve. When installed in the bypass-to-tank line, it may be adjusted to create a pressure drop equal to the line pressure of that particular boom section. Then, when the operator turns the boom section on or off, the pressure in the remaining boom section will not be affected.

Part	Description
AG009925	1/2" Throttling Valve
AG051222	3/4" Throttling Valve

Pressure Regulator



All nylon/stainless steel pressure regulators handle pressures up to 150 PSI. Pressure adjustments are made without tools. 3/4" or 1/2" ports with 1/4" (F) NPT gauge opening.

Part	Description
AG050436	1/2" Regulator
AG009860	3/4" Regulator

Model 110 Relief Valves



The 110 piston-type regulating valves are available in sizes 1/4", 3/8", 1", 1-1/4" or 1-1/2" in choice of ductile iron, brass, or aluminum. Removable bonnet for servicing unit without removing valve from line.

Part	Description
AG053476	1/4" Brass (Up to 50 PSI)
AG843365	1/4" Brass (50-300 PSI)
AG052547	1/4" Brass (300-700 PSI)
AG001583	3/8" Brass (Up to 300 PSI)
AG001584	3/8" Brass (300-700 PSI)
AG051948	1" Aluminum (Up to 150 PSI)
AG006770	1" Ductile Iron (Up to 150 PSI)
AG055972	1-1/4" Brass (Up to 150 PSI)
AG051624	1-1/4" Aluminum (Up to 150 PSI)
AG050041	1-1/4" Ductile Iron (Up to 150 PSI)
AG059817	1-1/2" Aluminum (Up to 150 PSI)
AG513831	1-1/2" Ductile Iron (Up to 150 PSI)

DirectoValve Control Valve



Made of corrosion-resistant materials and handles flows up to 12 GPM at only 5 PSI drop. Easy, dependable operation with maximum 150 PSI operating pressure. Includes mounting bracket and undrilled 1/4" gauge connection.

- 3/4" inlet connections
- 1/2" boom connections

Part	Description
AG051771	DirectoValve
AG053542	Repair Kit

Model 8460 Relief Valve



Diaphragm-type nylon inlet body with aluminum bonnet. Choice of 1/2" or 3/4" connections. For pressures up to 300 PSI.

Note: *Repair kit includes stem seal, springs, and diaphragm.*

Part	Description
AG001866	1/2" Relief Valve
AG513641	3/4" Relief Valve
AG001883	Repair Kit

Model 6815 Relief Valve



Piston-type relief valve available in brass or aluminum with stainless steel springs. Adjustable to maintain control of line pressure by bypassing excess liquid.

Part	Description
AG001767	1/2" Brass Relief Valve (300 PSI)
AG001769	1/2" Brass Relief Valve (700 PSI)
AG001771	3/4" Brass Relief Valve (300 PSI)
AG001773	3/4" Brass Relief Valve (700 PSI)

Centerline Butterfly Valves



Notes: *Valve flanges and gaskets are also available. See Valve Flanges and Flange Gaskets in this section.*

Part	Description
AG515117	2-1/2" Valve (Less Handle)
AG510548	Handle Only for 2-1/2" or 3" Valve

Gate Valves



These economical valves made of Celcon® are excellent for use on water tanks.

Part	Description
AG009396	1/2" Valve
AG005436	3/4" Valve
AG005437	1" Valve
AG001055	1-1/4" Valve
AG001056	1-1/2" Valve
AG001057	2" Valve

King Nipples—Steel



Male thread x hose barb.

Part	Description
AG603678	1-1/4" x 1-1/4"
AG603325	1-1/4" x 1-1/2"
AG602949	1-1/2" x 1-1/2"
AG602167	2" x 2"
AG602175	3" x 3"
AG602183	4" x 4"



Fittings—Hose Barbs

Pkgs. of 25. Nylon. NPT x barb.

Part	Description
AG005710	1/8" x 1/4"
AG005711	1/8" x 3/8"
AG560954	1/4" x 1/4"
AG560955	1/4" x 3/8"
AG560956	1/4" x 1/2"
AG560951	3/8" x 1/4"
AG560952	3/8" x 3/8"
AG560953	3/8" x 1/2"
AG560949	1/2" x 3/8"
AG560862	1/2" x 1/2"
AG005713	1/2" x 5/8"
AG560882	1/2" x 3/4"
AG560863	3/4" x 1/2"
AG560947	3/4" x 5/8"
AG560864	3/4" x 3/4"
AG559865	3/4" x 1"
AG560903	1" x 3/4"
AG560865	1" x 1"
AG005714	1" x 1-1/4"
AG009090	1-1/4" x 3/4"
AG560945	1-1/4" x 1"
AG560969	1-1/4" x 1-1/4"
AG005715	1-1/4" x 1-1/2"
AG009091	1-1/2" x 1-1/4"
AG005716	1-1/2" x 1-1/2"
AG005717	2" x 2"

Steel Fitting—Hose Barbs



Pkgs. of 25. Steel. NPT x barb.

Part	Description
AG559468	1/8" x 3/8"
AG053728	1/4" x 1/4"
AG559415	1/4" x 3/8"
AG053726	3/8" x 3/8"
AG559466*	3/8" x 1/2"
AG559512	1/2" x 3/8"
AG052118	1/2" x 1/2"
AG553867	1/2" x 3/4"
AG553859	3/4" x 3/4"
AG845079	1" x 1"

*See Note in your order system before placing your order

Type 316 Stainless Steel Hose Barbs



MPT x hose barb.

Part	Description
AG053728	1/4"
AG052718	1/4" x 3/8"
AG053727	1/4" x 1/2"
AG053726	3/8"
AG053725	3/8" x 1/2"
AG052118	1/2"
AG052117	3/4"
AG518641	3/4" x 1"
AG845079	1"
AG052116	1-1/4"
AG052115	1-1/2"
AG051814	2"
AG051815	3"
AG843451	4"

Garden Hose Barbs



Part	Description
AG560942	3/4" x 1/2" Nylon
AG560943	3/4" x 5/8" Nylon

Dry Poppet Coupling



Applications:
- Chemical dispensing systems
- Spray equipment
- Mini bulk tanks
- Bulk transfer drums

Features:
- Maximum temp 150°F
- Maximum pressure 70 PSI at 70°F
- Max flow rate 30 GPM

Construction:
- Glass-reinforced polypropylene
- FKM seals
- 316 stainless steel spring

Part	Description
AG426618	1" Female Dry Poppet Adapter DPCF100
AG426619	Male Dry Poppet Adapter DPCM100
AG426620	1" Male Dry Poppet Adapter DPCMT100

Cam Lever Couplings

Cam-and-groove couplers are available in glass-filled polypropylene, 316 stainless steel, cast iron, and aluminum. All 4" couplings have three locking arms for a positive seal.

3" with 3 Arms Poly Cam Lever Coupling



Part	Description
AG428653	3" Female Coupler with 3 Arms x 2" Male Adapter

Type A



Male adapter x female thread.

Part	Description
AG000762	1/2" Poly
AG000763	3/4" Poly
AG000839	1" Poly
AG005913	1-1/4" Poly
AG426408	1-1/2" x 1-1/4" Poly
AG000811	1-1/2" Poly
AG000812	2" Poly
AG000846	3" Poly
AG054480	4" Poly
AG008913	3/4" SS
AG008675	1" SS
AG008682	1-1/2" SS
AG008690	2" SS
AG008697	3" SS
AG008703	4" SS
AG000886	1-1/2" Cast Iron
AG715462	3/4" Aluminum
AG052639	1" Aluminum
AG718518	1-1/2" Aluminum
AG000843	2" Aluminum
AG561639	3" Aluminum
AG027658	4" Aluminum

Type B



Female coupler x male thread.

Part	Description
AG000765	1/2" Poly
AG514534	3/4" Poly
AG000849	1" Poly
AG006665	1-1/4" Poly
AG000813	1-1/2" Poly
AG054264	1-1/2" (F) Coupler x 1-1/4" (M) Thread
AG000814	2" Poly
AG428353	2" (F) x 2" (M) Extension
AG000815	3" Poly
AG428354	3" (F) x 3" (M) Extension
AG054479	4" Poly
AG008671	3/4" SS
AG008683	1-1/2" SS
AG008691	2" SS
AG008915	3" SS
AG008704	4" SS
AG052742	3/4" Aluminum
AG000848	1" Aluminum
AG000850	1-1/2" Aluminum
AG516728	2" Aluminum
AG842286	3" Aluminum
AG561223	6" Aluminum

Type C



Female coupler x hose shank.

Part	Description
AG007517	1/2" Poly
AG006673	3/4" Poly
AG000855	1" Poly
AG008655	1-1/4" Poly
AG426409	1-1/2" x 1-1/4" Poly
AG000816	1-1/2" Poly
AG000817	2" Poly
AG058475	3" Poly with 3 Arms
AG054478	4" Poly
AG008692	2" SS
AG008705	4" SS
AG552968	3" Cast Iron
AG000856	1-1/2" Aluminum
AG000858	2" Aluminum
AG561638	3" Aluminum
AG607082	4" Aluminum

Type D



Female coupler x female thread.

Part	Description
AG051839	1/2" Poly
AG000951	3/4" Poly
AG000863	1" Poly
AG006662	1-1/4" Poly
AG426410	1-1/2" x 1-1/4" Poly
AG000818	1-1/2" Poly
AG000819	2" Poly
AG000869	3" Poly
AG054477	4" Poly
AG008685	1-1/2" SS
AG008647	3" SS
AG008706	4" SS
AG000868	3" Cast Iron
AG000862	1" Aluminum
AG000864	1-1/2" Aluminum
AG000866	2" Aluminum
AG712937	3" Aluminum
AG561314	6" Aluminum

Type G (plug)



Plug for female coupler.

Part	Description
AG006669	1/2" or 3/4" Poly
AG000884	1" or 1-1/4" Poly
AG000825	1-1/2" Plug
AG000826	2" Poly
AG000827	3" Poly
AG054474	4" Poly
AG008688	1-1/2" SS
AG008695	2" SS
AG008709	4" SS
AG000888	2" Cast Iron
AG516729	2" Aluminum
AG006042	6" Aluminum

Type H (cap)



Cap for male adapter.

Part	Description
AG006670	1/2" or 3/4" Poly
AG561035	1" or 1-1/4" Poly
AG000828	1-1/2" Cap
AG000829	2" Poly
AG000830	3" Poly
AG054473	4" Poly
AG008689	1-1/2" SS
AG008696	2" SS
AG008702	3" SS
AG000891	1-1/2" Aluminum
AG715120	3" Aluminum

Coupler Repair Parts

Standard EPDM Gaskets

Note: *72663331 gasket is for 1-1/2" quick couplers.*

Part	Description
AG000759	3/4"
AG000907	1" or 1-1/4"
72663331	2"
6272877M1	2" FP
AG000774	3"
AG002765	4"
AG005084	6"

EPDM Extra-Thick Gaskets

Part	Description
AG050834	3/4"
AG050825	1" or 1-1/4"
AG050785	1-1/2"
AG050786	2"
AG050835	3"

FKM Gaskets

Notes: *AG009979 gasket is for 1-1/2" quick couplers. FP=Full Port.*

Part	Description
AG845067	3/4"
AG051537	1"
AG009979	2"
AG009375	2" FP
AG051531	3"
AG051532	4"

Pins

Part	Description
AG054485	2"
AG000771	3" and 4"

Arms

Part	Description
AG052786	3/4"
AG000835	1-1/2" and 2"
AG000833	3"

Rings

Part	Description
AG009455	3/4", 1", 1-1/4"
AG005305	1-1/2", 2", 3"

Shims

Part	Description
AG009491	1-1/2"
AG009490	2"
AG009489	3"

Switch-A-Roos and Accu-Switch Quick Couplers





Change nozzles quickly and get accurate alignment every time with Accu-Switch. The poly-glass coupler is precision molded and has our patented tab-and-groove design that automatically assures correct nozzle position. Stainless steel arms are standard. Pat. No. 4,717,077. Switch-A-Roos do not have the tab-and-groove feature.

Part	Description
AG000765	1/2" Poly
AG514534	3/4" Poly
AG000760	1/4" Poly
AG000762	1/2" Poly
AG000763	3/4" Poly
AG000759	3/4" EPDM Gasket

Accu-Switch Couplers



Part	Description
AG514534	3/4" Poly
AG000760	3/4" x 1/4"
AG514431*	3/4" x 3/8"
ACP0373760	3/4" x 1/2"

* See Note in your order system before placing your order

Poly Quick Disconnect Couplings

1-1/2" x 1-1/4" couplings interchange with 1-1/2" couplings. Coupling and adapter ends are 1-1/2" size. Only the threads and barbs are 1-1/4".

Part	Description
AG000825	1-1/2" Plug
AG000828	1-1/2" Cap
AG054264	1-1/2" (F) Coupler x 1-1/4" (M) Thread
AG057827	1-1/2" (M) Adapter x 1-1/4" (M) Thread

Polypropylene Swivels



Features:

- Teflon® thrust bearing
- FKM O-rings
- Hex flats
- Stainless steel drive stud
- 75 PSI maximum

Part	Description
AG053934	1" (F) x 1" (M)
AG053935	1-1/2" (F) x 1-1/2" (M)
AG053936	2" (F) x 2" (M)
AG428654	2" Full Port (F) x 2" Full Port (M)

Black Poly Pipe Fittings and Hose Barbs

Fittings and hose barbs are made of glass-reinforced polypropylene. They have a wide range of chemical resistance. Step up to the quality of the "Black Poly," a great change! Rated 150 PSI at 70°F.

Pipe Nipples

BANJO Liquid Handling Products



Part	Description
545458D1	1/4" x Close
AG053085	3/8" x Close
72681426	1/2" x Close
AG051150	1/2" x 3"
AG051151	3/4" x Close
AG051152	3/4" x 4"
AG051154	3/4" x 6"
AG051153	1" x Close
AG051155	1" x 4"
AG051156	1" x 6"
AG051157	1-1/4" x Close
AG051158	1-1/4" x 4"
AG051159	1-1/4" x 6"
AG050253	1-1/2" x Close
AG052338	1-1/2" x 3"
AG050252	1-1/2" x 4"
AG050251	1-1/2" x 6"
ACW0769730	2" x Close
AG050255	2" x 4"
AG050254	2" x 6"
AG050679	3" x Close
AG050678	3" x 4"
AG050677	3" x 6"
AG054489	4" x Close

Hose Barbs



Male thread x hose barb.

Part	Description
AG051842	1/4"
AG051843	1/4" x 3/8"
AG051174	3/8" NPT x 3/8"
AG051844	3/8" x 1/2"
AG051176	1/2"
AG051175	1/2" x 3/8"
AG051177	1/2" x 3/4"
AG051179	3/4"
AG051178	3/4" x 1/2"
AG051180	3/4" x 5/8"
700731995	3/4" x 1"
AG051059	1"
AG051182	1" NPT x 3/4"
AG051183	1" x 1-1/4"
AG051186	1-1/4"
AG051184	1-1/4" x 3/4"
601005D1	1-1/4" x 1"
AG055373	1-1/4" x 1-1/2"
6275742m1	1-1/2" x 1-1/2"
AG051533	1-1/2" x 1"
AG051534	1-1/2" x 1-1/4"
AG052456	1-1/2" x 2"
AG000767	2" x 2"
AG000769	2" x 1-1/2"
AG000768	3" x 3"
AG054472	4" x 4"

Reducing Bushings



Male thread x female thread.

Part	Description
AG053077	3/8" x 1/4"
AG051571	1/2" x 1/4"
AG051167	1/2" x 3/8"
AG051573	3/4" x 1/4"
ACW9550230	3/4" x 3/8"
601004D1	3/4" x 1/2"
AG053075	1" x 1/8"
AG053074	1" x 1/4"
AG051170	1" x 1/2"
AG051057	1" x 3/4"
AG051171	1-1/4" x 3/4"
AG051172	1-1/4" x 1"
AG050256	1-1/2" x 3/4"
700732786	1-1/2" x 1"
AG050258	1-1/2" x 1 1/4"
AG051173	2" x 3/4"
AG050259	2" x 1"
AG050260	2" x 1-1/4"
AG050261	2" x 1-1/2"
AG050680	3" x 1-1/2"
AG050681	3" x 2"
AG056241	4" x 3"

90° Hose Barbs



Male thread x hose barb.

Part	Description
AG051845	1/4"
AG051137	3/8"
AG051138	1/2" x 3/8"
AG051139	1/2"
AG051140	1/2" x 3/4"
AG051141	3/4" x 1/2"
AG051142	3/4"
AG051143	3/4" x 1"
AG051144	1" x 3/4"
AG051145	1"
AG051146	1" x 1-1/4"
AG051147	1-1/4" x 1"
AG051148	1-1/4"
606034D1	1-1/2" x 1-1/4"
AG050691	1-1/2"
AG055300	2" x 1-1/2"
AG050692	2"
AG054471	3"

Hose Barb Elbows



Black poly.

Part	Description
AG054982	3/8" x 3/8"
AG054983	1/2" x 1/2"
AG054984	3/4" x 3/4"
AG051849	1" x 1"
AG007145	1-1/4" x 1-1/4"
AG717743	1-1/2" x 1-1/2"
AG717750	2" x 2"

Menders



Part	Description
AG056075	1/2"
AG519337	3/4"
AG053928	1"
AG053929	1-1/4"
AG053930	1-1/2"
AG053931	2"
AG054831	3"

Plugs



Part	Description
AG051133	Pipe Plug 1/2" NPT
AG051134	Pipe Plug 3/4" NPT
AG051135	1"
AG051136	1-1/4"
AG522149	1-1/2"
AG050268	2"
AG050683	3"

Tees



Part	Description
AG053084	3/8"
AG051160	1/2"
AG051161	3/4"
AG516405	1"
AG051162	1-1/4"
AG050273	1-1/2"
AG050274	2"
AG050686	3"

45° and 90° Street Elbows



Part	Description
AG053083	3/8" x 90°
AG051163	1/2" x 90°
AG051164	3/4" x 90°
AG051058	1" x 90°
AG051165	1-1/4" x 90°
AG050688	1-1/2" x 90°
AG050689	2" x 90°
AG051166	3" x 90°
AG052343	3/4" x 45°
AG052342	1" x 45°
AG052341	1-1/4" x 45°
AG052340	1-1/2" x 45°
AG052339	2" x 45°
ACW9175790	3" x 45°

Reducer Nipples



Part	Description
AG053082	1/2" x 3/8"
AG051435	3/4" x 1/2"
AG053081	1" x 1/2"
AG051436	1" x 3/4"
AG053080	1-1/4" x 3/4"
AG051437	1-1/4" x 1"
AG053079	1-1/2" x 1"
AG051438	1-1/2" x 1-1/4"
AG053078	2" x 1-1/4"
AG051439	2" x 1-1/2"
AG051440	3" x 2"

45° and 90° Elbows



Part	Description
AG055298	3/8" x 90°
AG051125	1/2" x 90°
AG051126	3/4" x 90°
AG051127	90° 1" NPT x 1" NPT
AG519838	1" x 45°
AG051128	1-1/4" x 90°
AG050275	1-1/2" x 90°
AG050276	2" x 90°
AG050687	3" x 90°

Couplings



Part	Description
AG053086	3/8"
AG051129	1/2"
AG051130	3/4"
AG051131	1"
AG051132	1-1/4"
AG050271	1-1/2"
AG050272	2"
AG050685	3"

Reducer Couplings



Part	Description
AG215823	3/4" x 1"
AG050262	1" x 1-1/2"
AG050264	1" x 2"
AG050263	1-1/4" x 1-1/2"
AG050265	1-1/4" x 2"
AG050266	1-1/2" x 2"
AG050682	2" x 3"

Crosses



Part	Description
AG428347	1/2"
AG051441	3/4"
AG051442	1"
AG051850	1-1/4"
AG051443	1-1/2"
AG051444	2"

Caps



Part	Description
AG055295	1/2"
AG051535	3/4"
ACX2475370	1"
AG055296	1-1/4"
AG050269	1-1/2"
AG050270	2"
AG050684	3"

Flange Fittings

Flange fittings offer quick and easy assembly with no threads, no sealant, and no pipe tape. "V"-style stainless steel worm drive clamp and a gasket are used to create positive sealing at each connection. Glass-filled polypropylene construction.

Banjo Flange Couplings



Note: *FP=Full Port.*

Part	Description
AG056273	1" x 1"
AG056283	2" x 2"
545225D1	2" x 2" FP
545290D1	2" x 2" FP x 6"
AG059583	3" x 3" FP
ACW2517390	3" x 3" FP x 7"

45° and 90° Elbow



Note: *FP=Full Port.*

Part	Description
AG056274	1", 90°
6261953M1	2" Std, 90°
AG523530	2" FP, 90°
AG057576	3", 90°
AG059536	1", 45°
6308409M1	2" Std, 45°
AG059565	2" FP, 45°
ACW9500740	3", 45°

Sweeps



Part	Description
545224D1	2" Full Port Flange x Hose Shank
545292D1	2" Flange x Flange
545223D1	2" Full Port Flange x Flange
545324D1	2" Full Port Flange x 2" Flange
592939D1	3" Flange x Hose Shank
AG430434	2" Full Port Flange x Male Adapter

Tees



Note: *FP=Full Port.*

Part	Description
6296694M1	1"
AG059567	1" - Long
AG056288	2" x 2" x 1"
AG426523	Flanged Tee 2" x 1" Std Port w/Mounting Holes
ACX4345080	2"
6284745M1	2" FP
AG057578	3"

Cross



Note: *FP=Full Port.*

Part	Description
AG057579	1"
ACX2401160	2"
AG057581	2" FP
AG057582	3"

Plug



Note: *FP=Full Port.*

Part	Description
AG056278	1"
AG143717	2"
AG057583	2" FP
AG057584	3"

Plug with Gauge Port

Flange x (F) NPT.

Part	Description
AG059576	1" x 1/4"
AG059575	2" x 1/8"
AG059574	2" x 1/4"
AG059572	2" x 1/2"
594098D1	2" x 3/4"
594099D1	2" x 1"

90° Hose Connector



Flange x hose.

Note: *FP=Full Port.*

Part	Description
6261972M1	1" x 3/4"
AG056272	1" x 1"
AG057585	1" x 1-1/4"
AG057586	2" x 1"
AG056290	2" x 1-1/4"
AG056292	2" x 1-1/2"
AG057587	2" FP x 1-1/2"
AG056282	2" x 2"
AG057588	2" FP x 2"
AG059579	3" x 2" FP
AG057589	3" x 3"

45° Hose Connector



Flange x hose.

Note: *FP=Full Port.*

Part	Description
545526D1	2" x 1-1/2"

Hose Connector



Flange x hose.

Note: *FP=Full Port.*

Part	Description
AG056270	1" x 3/4"
6275737M1	1" x 1"
AG057592	1" x 1-1/4"
ACX2401170	2" x 1"
AG056289	2" x 1-1/4"
AG056291	2" x 1-1/2"
AG057594	2" FP x 1-1/2"
AG056281	2" x 2"
6272887M1	2" FP x 2"
AG059578	3" x 2" FP
601007D1	3" x 3"

316 SS Socket Weld Fittings



Part	Description
ACP0403530	1" Flange x Socket Weld (4" L)
AG523526	2" Full Port Flange x Socket Weld
AG059568	3" Flange x 2" Socket Weld

Adapters

Type E



Male adapter x hose shank.

Part	Description
AG007516	1/2" Poly
AG006672	3/4" Poly
AG000870	1" Poly
AG007310	1-1/4" Poly
AG000820	1-1/2" Poly
AG000821	2" Poly
AG000876	3" Poly
AG054476	4" Poly
AG008686	1-1/2" SS
AG008700	3" SS
AG008707	4" SS
AG000872	1-1/2" Cast Iron
AG005165	4" Cast Iron
AG715464	3/4" Aluminum
AG000873	2" Aluminum
AG006546	3" Aluminum
AG607083	4" Aluminum
AG561149	6" Aluminum

Type F



Male adapter x male thread.

Part	Description
AG051841	1/2" Poly
AG006671	3/4" Poly
AG561036	1" Poly
AG006796	1-1/4" Poly
AG057827	1-1/2" (M) Adapter x 1-1/4" (M) Thread
ACW334240	1-1/2" Poly
AG000823	2" Poly
AG000824	3" Poly
AG054475	4" Poly
AG008668	3/4" SS
AG008687	1-1/2" SS
AG008694	2" SS
AG008701	3" SS
AG008708	4" SS
AG552348	2" Cast Iron
AG553018	3" Cast Iron
AG552992	4" Cast Iron
AG052640	1" Aluminum
AG000879	1-1/2" Aluminum
AG000881	2" Aluminum
AG561847	3" Aluminum
AG561225	6" Aluminum

Type B



90° male adapter x male thread.

Part	Description
ACP0408980	2" Female Coupler x 2" MNPT

Type I



90° male adapter x female thread.

Part	Description
AG005676	1-1/2" Poly
AG005680	2" Poly

Type J



90° female coupler x hose shank.

Part	Description
AG005682	1-1/2" Poly
AG005679	2" Poly

Type K



90° female coupler x female thread.

Part	Description
AG005681	1-1/2" Poly
AG005678	2" Poly

Type L



90° male adapter x male thread.

Part	Description
6296587M1	1-1/2" Poly 90°
AG005677	2" Poly 90°

Banjo Male Adapter x Flange



Note: *FP=Full Port.*

Part	Description
AG426979	2" Male x 2" Flange
AG059814	2" Male x 2" FP Flange
AG328963	3" Male x 3" Flange

Flange x (M)NPT



Note: *FP=Full Port.*

Part	Description
AG059566	1" x 3/4"
AG056277	1" x 1"
AG057597	1" x 1-1/4"
AG056933	2" x 1-1/4"
72679486	2" x 1-1/2"
6261954M1	2" x 2"
6272891m1	2" FP x 2"
AG057590	3" x 3"

Adapter 316 Stainless Steel



Flange x (M) NPT.
Note: *FP=Full Port.*

Part	Description
AG059577	1" x 1"
AG059558	2" x 1-1/4"
AG059557	2" x 1-1/2"
AG059556	2" x 2"
AG059570	2" FP x 1-1/2"
AG523524	2" FP x 2"
AG059555	3" x 3"

Banjo Spool Adapters



Note: *Male x Male.*

Part	Description
ACP0408990	2" x 2" Adapter
ACP0409000	3" x 2" Adapter
ACP0409010	3" x 3" Adapter

Flange x (F)NPT



Note: *FP=Full Port.*

Part	Description
AG059581	1" x 1/2"
AG059582	1" x 3/4"
AG057572	1" x 1"
AG057573	2" x 2"
AG123944	2" FP x 2"

Banjo Flange Reducers



Note: *FP=Full Port.*

Part	Description
AG057574	2" x 1"
AG059562	2" FP x 1"
ACX2362250	2" FP x 2"
AG726475	3" x 2"
AG058589	3" x 2" FP

T-Bolt Clamps



Part	Description	Clamp Min ≥ Ø	Clamp Min ≥ Ø
AG051816	T-Bolt Clamp, 1/4"	0.35"	0.62"
567278D1	T-Bolt Clamp, 1-1/4"	1-5/16"	1-11/16"
ACP0409410	T-Bolt Clamp, 1-1/4"	1-7/8"	2-1/8"
ACP0409420	T-Bolt Clamp, 1-1/2"	1-15/16"	2-3/16"
ACP0409430	T-Bolt Clamp, 2"	2-1/4"	2-1/2"
ACP0403610	T-Bolt Clamp, 2"	2-3/16"	2-1/2"
AG561214	T-Bolt Clamp, 2"	2-5/16"	2-5/8"
70936813	T-Bolt Clamp, 2"	2-3/4"	3-5/8"
ACP0409450	T-Bolt Clamp, 2"	2-7/8"	3-3/16"
ACP0409460	T-Bolt Clamp, 3"	3-1/8"	3-1/2"
ACP0403620	T-Bolt Clamp, 3"	3-5/16"	3-5/8"
ACP0403630	T-Bolt Clamp, 3"	3-7/16"	3-3/4"
AG561216	T-Bolt Clamp, 4-1/2"	4.47"	4.78"
700747401	T-Bolt Clamp, 4-3/4"	4-3/4"	5-1/16"
71441560	T-Bolt Clamp, 5-1/4"	5-1/4"	5-9/16"
71443277	T-Bolt Clamp, 6"	6-1/4"	6-9/16"
502277D1	T-Bolt Clamp, 6"	6-1/2"	6-13/16"
700747402	T-Bolt Clamp, 6-3/4"	6-3/4"	7"
71441561	T-Bolt Clamp, 7"	7-1/4"	7-9/16"
AG561630	T-Bolt Clamp, 2-1/2"	2-5/16"	2-5/8"

Coupling Flanged Y 45°



Note: *Full Port.*

Part	Description
AG426521	2" Y 45° with Gauge Port
AG426522	2" Y 45° (No Gauge Port)

Boom Nozzle Pipe Adapter



- Eliminates having to thread pipe
- Quick and easy assembly
- No welding necessary
- 360° orientation

Part	Description
520155D1	1" Flanged Pipe Adapter
520154D1	1" Flanged Pipe Adapter Tee
524888D1	1" Pipe Adapter Cap

Flange Clamps & Gaskets

BANJ Liquid Handling Products



Part	Description
AG056778	1" Flange Clamp
AG056275	1" EPDM Gasket
AG056276	1" FKM Gasket
AG009979	2" FKM Gasket
AG522895	2" Full Port (FP) Flange Clamp
6272877M1	2" FP EPDM Gasket
AG009375	2" FP FKM Gasket
AG057764	3" Flange Clamp
AG000774	3" EPDM Gasket
AG051531	3" FKM Gasket

Universal Flanged Gaskets & Clamps

PENTAIR HYPRO



Flow can be increased by as much as 16% as the universal flanged gasket reduces protrusion into the joint.

Part	Description
533905D1	1" Gasket
533906D1	1-1/2" Gasket
533907D1	2" Gasket
ACW9236240	3" Gasket
ACP0389920	1" Clamp/1" Gasket Bagged Version - SS Hardware
ACP0389930	1-1/2" Clamp/1-1/2" Gasket Bagged Version - SS Hardware
ACP0389940	2" Clamp/2" Gasket Bagged Version - SS Hardware
ACP0389950	3" Clamp/3" Gasket Bagged Version - SS Hardware

Sludge Parts

6" Aluminum Couplers



Ref	Part	Description
B	AG561223	6" Aluminum
D	AG561314	6" Aluminum
E	AG561149	6" Aluminum
F	AG561225	6" Aluminum
	AG005084	6" EPDM Gasket
	AG561272	6" Super Clamp, (6.53-6.90)

3-Way Connector



Pkgs. of 25. Nylon.
Note: ** = Black Poly.*

Part	Description
AG005718	1/4" x 1/4" x 1/4"
AG560978	3/8" x 3/8" x 3/8"
AG005719	1/2" x 1/2" x 3/8"
AG560977	1/2" x 1/2" x 1/2"
AG005742	5/8" x 5/8" x 5/8"
AG561181	1/2" x 1/2" x 3/4"
AG051846	1/2" x 1/2" x 3/4"*
AG560860	3/4" x 3/4" x 3/4"
AG051481	3/4" x 3/4" x 3/4"*
AG561165	1" x 1" x 1"
AG051848	1" x 1" x 1"*
AG005720	1-1/4" x 1-1/4" x 1-1/4"
AG007139	1-1/2" x 1-1/2" x 1-1/2"
AG428350	1-1/2" HB x 1-1/2" HB x 1-1/2" Male Thread
AG007140	2" x 2" x 2"

Nipples



Pkgs. of 25. Nylon.

Part	Description
AG705124	1/4"
AG705125	1/2"
AG705126	3/4"
AG705127	1"
AG705128	1-1/4"
AG705129	1-1/2"
AG705130	2"

Elbow Barbs



Pkgs. of 10. Nylon.
Note: ** = Black Poly.*

Part	Description
AG007433	3/8"
AG561537	1/2"
AG050828	5/8"
AG006442	3/4"
AG006441	1"
AG051849	1" x 1"*
AG007145	1-1/4"
AG007144	1-1/2"
AG007143	2"

Nylon Caps



Part	Description
AG514624	Cap, 3/4" GHT

Hose Barb Elbows

Pkgs. of 25.



Part	Description
AG516066	1/8" x 1/4"
AG560981	1/4" x 3/8"
AG560982	1/4" x 1/2"
AG560983	3/8" x 1/4"
AG560984	3/8" x 3/8"
AG009095	3/8" x 5/8"
AG009097	1/2" x 1/4"
AG561483	1/2" x 3/8"
AG560970	1/2" x 1/2"
AG515445	1/2" x 5/8"
AG560985	1/2" x 3/4"
AG560986	3/4" x 3/8"
AG560987	3/4" x 1/2"
AG560904	3/4" x 3/4"
AG560988	3/4" x 5/8"
AG560989	3/4" x 1"
AG561470	1" x 1/2"
AG560990	1" x 3/4"
AG560883	1" x 1"
AG560991	1-1/4" x 1"
AG560993	1-1/4" x 1-1/4"
AG009102	1-1/4" x 1-1/2"
AG560992	1-1/2" x 1-1/2"
AG005709	2" x 2"

Street Elbows



Pkgs. of 10. Nylon. FPT x MPT.

Part	Description
AG001246	1/4", 90° Nylon
AG005735	1/2"
AG005736	3/4"
AG005737	1"
6647442	1-1/4"
AG005740	1-1/2"
AG005741	2"

45° Street Elbows

Nylon.



Part	Description
AG009643	1/4", 45°
AG005413	3/4"

Bushings



Pkgs. of 25. Nylon. MPT x FPT.

Part	Description
AG561484	3/8" x 1/4"
AG005733	1/2" x 1/4"
AG561485	1/2" x 3/8"
AG704385	3/4" x 1/8"
AG007138	3/4" x 3/8"
AG561486	3/4" x 1/2"
AG561975	1" x 1/2"
AG704386	1" x 3/4"
AG561478	1-1/4" x 3/4"
AG561479	1-1/4" x 1"
AG007136	1-1/2" x 3/4"
AG561480	1-1/2" x 1-1/4"
AG007135	2" x 1"
AG007134	2" x 1-1/4"
AG561481	2" x 1-1/2"
AG561487	3" x 2"

Female Pipe Thread x Hose Barb

Part	Description
AG053456	Nylon 1/4" FPT x 1/4" HB
AG052751	Nylon 1/4" FPT x 3/8" HB
AG426978	Poly 1/2" FPT x 3/4" HB
545293D1	Poly 3/4" FPT x 3/4" HB
700745739	Poly 3/4" FPT x 1" HB
ACX2475360	Poly 1" FPT x 1" HB

Garden Hose Fittings



Features:

- Quick and simple way to connect and disconnect your garden hose
- Easily connects hose to spigot, sprinkler, nozzle, or other hose-end accessories
- Durable, rustproof polypropylene construction
- Never have to use pliers to tighten to prevent leaks
- Yellow fiberglass-reinforced polypropylene
- Standard 3/4" opening diameter

Part	Description
AG426997	(A) 3/4" Adapter x 3/4" Garden Hose Fem. Thrd
AG427001	(B) 3/4" Coupler x 3/4" Garden Hose Male Thrd
AG427000	(D) 3/4" Coupler x 3/4" Garden Hose Fem. Thrd
AG426996	(F) 3/4" Adapter x 3/4" Garden Hose Male Thrd
AG426998	3/4" Male NPT x 3/4" Garden Hose Fem. Thrd
AG426999	3/4" Female NPT x 3/4" Garden Hose Male Thrd

Poly Swivel Barb with Wingnut

For use with Shurflo® 2088 pumps

Part	Description
AG427133	Straight Swivel Fitting 1/2" MSPT-Female x 3/8"
AG427132	Straight Swivel Fitting 1/2" MSPT-Female x 1/2"
AG427127	Straight Swivel Fitting 1/2" MSPT-Female x 5/8"
AG427129	Straight Swivel Fitting 1/2" MSPT-Female x 3/4"
AG427131	Elbow Swivel Fitting 1/2" MSPT-Female x 3/8"
AG427130	Elbow Swivel Fitting 1/2" MSPT-Female x 1/2"
AG427128	Elbow Swivel Fitting 1/2" MSPT-Female x 5/8"
AG426916	Elbow Swivel Fitting 1/2" MSPT-Female x 3/4"

Male Pipe Thread to Male Garden Hose



Part	Description
AG560965	1/2" x 3/4" Nylon
AG560966	3/4" x 3/4" Nylon

Swivel Nuts



Part	Description
AG560967	3/4" GHT, Nylon
AG561012	Washer
AG561011	3/4" NPT, Steel

Nylon 90° Elbows



Part	Description
AG005721	1/2"
AG005723	1"
AG005724	1-1/4"
AG005726	2"

Menders



Pkgs. of 10. Nylon.

Part	Description
AG560971	1/4"
AG560972	3/8"
AG560973	1/2"
AG560974	5/8"
AG560975	3/4"
AG560976	1"
AG001038	1-1/4"
AG001039	1-1/2"
AG001040	2"

Couplings



Nylon.

Part	Description
AG005727	1/2"
AG005728	3/4"
AG005730	1-1/4"
AG005731	1-1/2"

Tees



Nylon.

Part	Description
AG007142	1/4"
AG005743	1/2"
AG705139	3/4"
AG705140	1"
AG705141	1-1/4"
AG705142	1-1/2"
AG705143	2"

Plugs



Pkgs. of 10. Nylon.

Part	Description
AG561471	1/8"
AG561472	1/4"
AG561473	3/8"
AG561474	1/2"
AG558710	3/4"
AG561476	1"
AG561477	1-1/4"
AG009087	1-1/2"
AG009088	2"

Tee with 1/4" Port



Part	Description
AG054863	1/2" Poly
AG055904	3/4" Poly
AG055294	1" Poly

Nylon Reducer Nipples

Note: ** = Black Poly.*



Part	Description
AG710205	3/8" x 1/4"
AG710207	1/2" x 1/4"
AG051437	1-1/4" x 1"*

Schedule 40 Black Iron Pipe Fittings

Hex Bushings



Note: *Not for use with anhydrous. Max 150 PSI.*

Part	Description
AG558486	1/4" x 1/8" NPT
AG553549	3/8" x 1/4"
AG554057	1/2" x 1/4"
AG557080	1/2" x 3/8"
AG556432	3/4" x 1/4"
AG551228	3/4" x 3/8"
AG556424	3/4" x 1/2"
AG556416	1" x 1/2"
AG557072	1" x 3/4"
AG559369	1-1/4" x 1/2"
AG555010	1-1/4" x 3/4"
AG556440	1-1/4" x 1"
AG558729	1-1/2" x 3/4"
AG554391	1-1/2" x 1"
AG556459	1-1/2" x 1-1/4"
AG561549	2" x 3/4"
AG552291	2" x 1"
AG559814	2" x 1-1/4"
AG554812	2" x 1-1/2"
AG560856	3" x 1-1/2"
AG554766	3" x 2"
AG561286	4" x 3"

Caps



Part	Description
AG557277	1/4"
AG557269	3/8"
AG557242	3/4"
AG560924	1-1/2"

Tees



Part	Description
AG559547	1/8" - NPT
AG555207	1/4"
AG556580	3/8"
AG555320	1/2"
AG554421	3/4"
AG551775	1"
AG556599	1-1/4"
AG552259	1-1/2"
AG551813	2"
AG554332	3"

Bell Reducers



Part	Description
AG009213	3/4" x 1/4"
AG009225	2" x 1"
AG009224	2" x 1-1/4"
AG561568	2" x 1-1/2"
AG009228	2-1/2" x 1-1/4"
AG561300	3" x 2"
AG009230	3" x 2-1/2"
AG009234	4" x 3"

Nipples



Part	Description
AG556696	1/8" x Close
AG555193	1/4" x Close
AG555290	3/8" x Close
AG553492	1/2" x Close
AG554472	3/4" x Close
AG554413	3/4" x 2"
AG559385	3/4" x 3"
AG556661	3/4" x 4"
AG560914	3/4" x 10"
AG551767	1" x Close
AG556610	1" x 3"
AG560915	1" x 10"
AG556858	1-1/4" x Close
AG556793	1-1/4" x 6"
AG556742	1-1/2" x Close
AG552682	1-1/2" x 6"
AG552305	2" x Close
AG556645	2" x 3"
AG560919	2" x 10"
AG560923	2-1/2" x 3"
AG552550	3" x Close
AG553093	3" x 3"
AG555096	3" x 6"
AG561322	4" x 6"

Crosses



Part	Description
AG557196	1/4"
AG560170	1/2"
AG557145	1"
AG557161	1-1/2"
AG557153	2"
AG561041	3"

90° Elbows



Part	Description
AG555215	1/4"
AG555304	3/8"
AG553484	1/2"
AG554480	3/4"
AG551759	1"
AG556971	1-1/4"
AG552313	2"
AG553085	3"
AG561178	4"

Plugs



Part	Description
AG551627	1/8" - NPT
AG553441	1/4"
AG559342	3/8"
AG557307	1/2"
AG557315	3/4"
AG551783	1"
AG557331	1-1/4"
AG557323	1-1/2"
AG550833	2"
AG557382	4"

90° Street Elbows



Part	Description
AG561212	1/8"
AG560669	1/4", 90° Zinc Plated
AG553190	1/4"
AG555363	3/8"
AG555401	1/2"
AG555088	3/4"
AG552283	1"
AG556939	1-1/4"
AG554820	1-1/2"
AG556602	2"
AG560911	3"

45° Street Elbows



Part	Description
AG559946	1/4"
AG553506	1/2"

Couplings



Part	Description
AG556475	1/8"
AG553115	1/4"
AG556505	3/8"
AG554499	1/2"
AG553875	3/4"
AG556467	1-1/4"
AG554804	1-1/2"
AG555274	2"
AG561776	4"

45° Elbows



Part	Description
70901693	1/2"
AG557056	3/4"
AG559326	1-1/4"
AG557048	1-1/2"
AG556998	2"
AG552569	3"
AG561775	4"

Malleable Iron (Extra Heavy)

90° Street Elbows



Note: *Max 300 PSI.*

Part	Description
AG056563	1/4"
AG056564	3/8"
AG056565	1/2"
AG056566	3/4"
AG056567	1"
AG718716	1-1/4"
AG056568	1-1/2"
AG056569	2"
AG056570	3"

45° Street Elbows



Part	Description
AG056571	1/2"
AG056573	1"
AG056574	1-1/4"
AG056575	1-1/2"
AG056576	2"

90° Elbows



Part	Description
AG056581	1"
AG056583	1-1/2"
AG056584	2"
AG056585	2-1/2"
AG056586	3"

Reducers



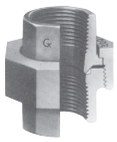
Part	Description
AG056535	3/8" x 1/4"
AG056536	1/2" x 1/4"
AG056537	1/2" x 3/8"
AG056538	3/4" x 1/4"
AG056539	3/4" x 3/8"
AG056540	3/4" x 1/2"
AG056541	1" x 1/4"
AG056542	1" x 3/8"
AG056543	1" x 1/2"
AG056545	1-1/4" x 1/2"
AG052973	1-1/4" x 2"
AG056549	1-1/2" x 3/4"
AG056550	1-1/2" x 1"
AG056551	1-1/2" x 1-1/4"
AG056552	2" x 1/2"
AG056553	2" x 3/4"
AG056554	2" x 1"
AG056556	2-1/2" x 1-1/2"
AG056557	2-1/2" x 2"
AG056558	3" x 1-1/2"
AG056559	3" x 2"
AG056560	3" x 2-1/2"
AG056561	4" x 2"

Caps



Part	Description
AG056612	1/4"
AG056513	1/2"
AG056514	3/4"
AG056515	1"
AG056518	1-1/2"
AG056519	2"
AG056520	2-1/2"
AG056521	3"

Unions



Part	Description
AG056501	1/4"
AG056503	1/2"
AG056504	3/4"
AG056622	1"
AG056505	1-1/4"
AG056506	1-1/2"
AG056508	2-1/2"

Nipples



Part	Description
AG056439	1/8" x Close
AG056440	1/8" x 2"
AG056441	1/8" x 3"
AG056442	1/8" x 4"
AG056443	1/4" x Close
AG056444	1/4" x 2"
AG056445	1/4" x 3"
AG056447	1/4" x 5"
AG056438	1/4" x 6"
AG056448	3/8" x Close
AG056510	3/8" x 2"
AG056449	3/8" x 3"
AG056450	3/8" x 4"
AG056451	3/8" x 5"
AG055344	1/2" x Close
AG056453	1/2" x 2"
AG056454	1/2" x 3"
AG056455	1/2" x 4"
AG056456	1/2" x 5"
AG056457	1/2" x 6"
AG056458	3/4" x Close
AG056459	3/4" x 2"
AG056460	3/4" x 3"
AG056462	3/4" x 4"
AG056463	3/4" x 5"
AG056464	3/4" x 6"
AG056461	1" x 3"
AG056465	1" x 4"
AG056466	1" x 5"
AG056467	1" x 6"
AG055357	1-1/4" x Close
AG056471	1-1/4" x 4"
AG056472	1-1/4" x 5"
AG056474	1-1/2" x Close
AG056477	1-1/2" x 5"
AG056479	2" x Close
AG056480	2" x 4"
AG056481	2" x 5"
AG056482	2" x 6"
AG056483	2-1/2" x Close
AG056484	2-1/2" x 4"
AG056487	3" x Close
AG056488	3" x 4"
AG056491	4" x Close
AG056492	4" x 4"
AG056493	4" x 6"

Crosses



Part	Description
AG056597	1/4"
AG056599	1/2"
AG056602	1-1/4"
AG056603	1-1/2"
AG056604	2"

Couplings



Part	Description
AG056524	1/4"
AG056525	3/8"
AG056526	1/2"
AG056527	3/4"
AG056528	1"
AG056529	1-1/4"
AG056530	1-1/2"
AG056531	2"
AG056532	2-1/2"
AG056533	3"

45° Elbows



Part	Description
AG056589	1/2"
AG056590	3/4"
AG056591	1"
AG056592	1-1/4"
AG056594	2"
AG056595	2-1/2"
AG056596	3"

Tees



Part	Description
AG056605	1/4"
AG056606	3/8"
AG056608	1"
AG056609	1-1/2"
AG056610	2"
AG056611	2-1/2"
AG056522	3"
AG056523	4"

Type 304 Stainless Steel Fittings

Nipples



140 PSI rated. Nipples are 304 stainless steel.

Part	Description
AG519199	1/8" x 3/4" Close
AG051740	1/4" x Close
AG055912	1/4" x 2"
AG715863	1/4" x 3"
AG714596	1/4" x 5"
AG055911	1/4" x 12"
AG051901	3/8" x Close
AG055910	3/8" x 2"
AG714097	3/8" x 5"
AG711595	1/2" x 1-1/8" Close
AG518132	1/2" x 4"
AG051903	3/4" x Close
AG008980	3/4" x 2-1/2"
AG707388	3/4" x 3"
AG715834	3/4" x 4"
AG715732	3/4" x 5"
AG716231	3/4" x 6"
AG717759	3/4" x 10"
AG710516	1" x Close
AG051904	1" x 2-1/2"
AG715181	1" x 4"
AG518412	1" x 6"
AG518218	1" x 8"
AG055908	1" x 12"
AG710514	1-1/4" x 1-5/8" Close
AG053737	1-1/4" x 2"
AG055907	1-1/4" x 4"
AG710515	1-1/2" x 1-3/4" Close
AG053738	1-1/2" x 2-1/2"
AG053739	1-1/2" x 3-1/2"
AG715664	1-1/2" x 5"
AG055905	1-1/2" x 10"
AG560929	2" x 2"
AG711989	2" x 3"
AG051902	2" x 4"
AG561368	2" x 5"
AG051905	2" x 6"
AG560931	3" x 2-5/8" Close
AG551929	3" x 4"
AG561337	3" x 5"
AG710517	4" x 3-1/2" Close
AG715861	4" x 6"

Hex Bushings



150 PSI rated.

Part	Description
AG563055	3/8" x 1/4"
AG712758	1/2" x 1/4"
AG054723	1/2" x 3/8"
AG051900	3/4" x 1/4"
AG561973	3/4" x 1/2"
AG051899	1" x 1/2"
AG562712	1" x 3/4"
AG051896	1-1/4" x 1"
AG051895	1-1/2" x 3/4"
AG051894	1-1/2" x 1"
AG051893	1-1/2" x 1-1/4"
AG561561	2" x 1-1/2"
AG706585	3" x 2"
AG562742	4" x 3"

Crosses



150 PSI rated.

Part	Description
AG051912	1/2"
AG051911	3/4"
AG051910	1"
AG051908	1-1/2"
AG051907	2"
AG051906	3"

45° Elbows



150 PSI rated.

Part	Description
AG051892	1/2"
AG051888	1-1/2"
AG051887	2"
AG711986	3"
AG562752	4"

Plugs



150 PSI rated.

Note: ** = Hex head.*

Part	Description
AG519845	1/8"
AG710638	1/4"
AG051917	1/2"
AG051916	3/4"
AG051915	1"
AG051914	1-1/4"
AG006006	1-1/2"
AG051913	2"*

Caps



150 PSI rated.

Part	Description
AG051922	1/2"
AG051921	3/4"
AG711987	1"
AG051918	3"

Weld Flanges



150 PSI rated.

Part	Description
AG560936	1"
AG561788	1-1/2"
AG007437	3"

90° Elbows



150 PSI rated.

Part	Description
AG562693	90° 1/4"
AG051934	90° 3/8"
AG051933	1/2"
AG051932	90° 3/4"
AG562304	1"
AG051931	1-1/4"
AG051930	2"
AG051929	3"
AG711988	4"

Tees



150 PSI rated.

Part	Description
AG517855	1/4"
AG521846	3/8"
AG051886	1/2"
AG051885	3/4"
AG051884	1"
AG051883	1-1/4"
AG051882	1-1/2"
AG051861	2"
AG051881	3"
AG562751	4"

90° Street Elbows



150 PSI rated.

Part	Description
AG561256	1/4"
AG051928	3/8"
AG711680	1/2"
AG711593	3/4"
AG051927	1"
AG051926	1-1/4"
AG051925	1-1/2"
AG051924	2"
AG051923	3"

Couplings



150 PSI rated.

Part	Description
AG519336	1/4"
AG712902	3/8"
AG561375	1/2"
AG051940	3/4"
AG051939	1"
AG051938	1-1/4"
AG051936	2"
AG051935	3"
AG562739	4"

Unions

150 PSI rated.



Part	Description
AG056083	3/4"
AG056082	1"
AG056081	1-1/4"
AG056079	2"
AG056077	3"

Nozzle/Hose Shank Connectors



Adapt nozzles to 1-1/2" boom hose with chemical-resistant tee and elbow fittings. Kit includes one clamp.

Notes:

- *AG140045 is a weld-on mounting bracket.*
- *Uses two of the AG209236 U-bolts and four 3/8" nuts and lock washers along with the AG711132 clamp kit.*
- **Kit includes (1) AG516401 saddle/muffler poly, (1) AG516402 stainless steel U-bolt, (2) AG516403 Nylock nut 5/16-18SS.*

Part	Description
AG515490	Nozzle Elbow 1" (M)NPT x 1-1/2" Barb
AG515491	Nozzle Tee 1-1/2" Hose BRB x 1-1/2" Hose BRB x 1" (M)NPT
AG215823	Reducer Coupling 3/4" x 1"
AG140045	Hose Shank Mount
AG711132	Clamp Kit *
AG209236	U-Bolt
AG562065	Nut 3/8"
AG562050	Lock Washer 3/8"

RectorSeal® No. 5



RectorSeal® No. 5 is a multipurpose, soft-setting, slow-drying, yellow thread sealant that contains no lead. It has a wide range of applications and is recommended for use on pipes made of galvanized steel, iron, brass, copper, aluminum, stainless steel, polyethylene, PVC, CPVC, and reinforced fiberglass. Not for use on ABS. It is a dependable sealant for use with lines carrying numerous types of liquids and gases, including anhydrous ammonia.

Part	Description
AG717563	Half Pint

RectorSeal® No. 21



RectorSeal® No. 21 is compounded scientifically from 13 carefully-chosen ingredients, making it a dependable sealant for lines carrying numerous types of liquids and gases, including anhydrous ammonia. It is especially applicable for threaded PVC, steel, iron, copper, and fiberglass-reinforced pipe.

Features:

- Black in color
- Lubricates threads
- Soft setting
- Brush-top applicator
- Does not dry out in the can
- Versatile
- Non-toxic
- Multi-purpose

Part	Description
AG711522	Half Pint

Teflon® Tape



The easy-to-use, no-mess way to seal threaded connections. May be used on most materials with positive results.

Note: *10 rolls per pkg.*

Part	Description
AG002238	1/2" Wide x 520"

New Leader Manufacturing Clamps

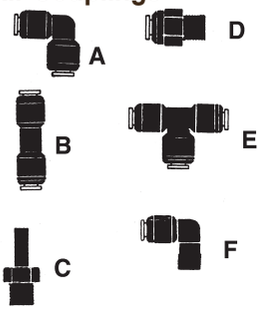
Part	Description
AG123280	Clamp - 2 Bolt 304
575722D1	Clamp - Angle 304
AG711570	Clamp - Angle 304
ACW3483600	Clamp - Bar Hose 304
ACP0519040	Clamp - Bar Hose 304
ACW4075130	Clamp - Bar Tube 304
ACW3482730	Clamp - Bar Tube 304
AG711569	Clamp - Bracket 304
ACP0700150	Clamp - Hose
AG714902	Clamp - Hose 1
582297D1	Clamp - Hose SAE 36 SS
ACW3483610	Clamp - Rubber Insert
ACW4075150	Clamp - Rubber Insert
ACW3482750	Clamp - Rubber Insert
AG332426	Clamp - Insulated Closed .875
AG330993	Clamp - Insulated
AG333648	Clamp - Long 304
AG126793	Clamp - Loom
AG133460	Clamp - Pair .75 Tube
AG133450	Clamp - Tube 1 2Pcs=1Set
AG133689	Clamp - Pair 1.25 Tube
ACW3687400	Clamp - Tubing Twin .375
ACW3515730	Clamp - Tubing Twin .625
AG133666	Clamp - Tubing Twin .75
AG425732	Clamp - Tubing Twin 1
ACP0519050	Clamp - Tubing Twin 1.10
AG333588	Clamp - Tubing Twin 1.25



GatorGuide

See Nozzle Accessories Section for extended selection of Nozzle/Hose Shank Connectors.

Air Couplings



Allow fast, easy connections of 1/4" and 3/8" air tubing without any tools. 150 PSI maximum working pressure. Made of acetal copolymer.

Ref	Part	Description
	AG702889	Union, 1/8" Brass
A	AG516229	Elbow Union, 1/4"
A	AG516476	Elbow Union, 3/8"
B	AG516207	Connector Union, 1/4"
B	AG516477	Connector Union, 3/8"
C	AG516231	Male Tube Stem, Male 1/8" (M)NPT x 1/4" Tube Stem
C	AG516230	Male Tube Stem, Male 1/4" (M)NPT x 1/4" Tube Stem
C	AG516475	Male Tube Stem 3/8 (M)NPT x 3/8" Male Tube Stem
D	AG516233	Male Connector Straight - 1/4" (M)NPT x 1/4" Tube Auto-Lock
D	AG516481	Connector - Straight 1/4" (M)NPT x 3/8" Tube Auto-Lock
D	AG516474	Connector Straight 3/8" (M)NPT x 3/8" Tube Auto-Lock
E	AG522757	Tee Union, 1/8"
E	AG516206	Tee Union, 1/4"
E	AG516478	Tee Union, 3/8"
F	AG516642	Elbow - 1/8" (M)NPT x 1/4" Tube Auto-Lock
F	AG516643	Elbow - 1/4" (M)NPT x 1/4" Tube Auto-Lock
	AG516431	Plug, 1/4"
	AG516479	Plug, 3/8"
	AG518668	Union Bulkhead, .25 Tube
	AG520939	Union Bulkhead, .38 Tube

Air Couplings Kit



1/4" kit contains 35 of the most commonly used fittings. 3/8" kit contains 25 fittings.

Part	Description
AG713903	Air Fitting Kit 1/4"
AG713904	Air Fitting Kit 3/8"

Air Fittings

Part	Description
AG019893	Steel 1/8" M Pipe x 1/4" Tube 90° Elbow
AG601608	Nylon 1/8" M Pipe x 1/4" Tube 90° Elbow
AG606979	Nylon 1/4" x 1/4" Mender
AG601616	Nylon 1/4" M Pipe x 1/4" Tube 90° Elbow
AG602256	Nylon 1/4" M Pipe x 1/4" Tube Straight
AG601594	Nylon 1/4" 3-Way Tee Connector
AG602248	Nylon 1/8" M Pipe x 1/4" Tube Straight
AG602221	Nylon 1/4" FNPT x 1/4" Tube Straight
AG561627	1/4" Brass Sleeve
AG601586	1/4" Fitting Ferrules

TeeJet Push-to-Connect Fittings



Complete Assembly (does not include tubing)

Specifically designed for liquid application systems on planters and drills. These components incorporate actual John Guest fittings for 1/4" and 3/8" OD tubing into both the Quick TeeJet no-drip nozzle body and Quick TeeJet cap. The John Guest brand insert sub-assemblies are Celcon®/stainless steel construction with an EPDM O-ring. The mounting slots will accept customer-supplied #10-24 screws or the body can be secured with a cable tie. Very compact; overall length is approximately 3-1/2".



Body Only



Cap Only

Part	Description
AG428418	Complete Assembly with 3/8" Body, Cap, and 2 LB ChemSaver
AG428419	Complete Assembly with 3/8" Body, Cap, and 10 LB ChemSaver
AG428420	Complete Assembly with 1/4" Body, Cap, and 2 LB ChemSaver
AG428421	Complete Assembly with 1/4" Body, Cap, and 10 LB ChemSaver
AG428412	Cap Only - QuickJet Adapter Cap with 3/8" John Guest
AG428413	Cap Only - QuickJet Adapter Cap with 1/4" John Guest
AG428414	Body Only - QuickJet Body with 3/8" John Guest and 2 LB ChemSaver
AG428415	Body Only - QuickJet Body with 3/8" John Guest and 10 LB ChemSaver
AG428416	Body Only - QuickJet Body with 1/4" John Guest and 2 LB ChemSaver
AG428417	Body Only - QuickJet Body with 1/4" John Guest and 10 LB ChemSaver
PI481222S	John Guest Rigid Elbow Adapter, 3/8" PTC OD x 1/4" NPTF
PI010821S	John Guest Straight Adapter, 1/4" PTC OD x 1/8" NPTF
PI211208S	John Guest Reducing Elbow Adapter, 3/8" PTC x 1/4" PTC
PI051223S	John Guest Straight Stem Adapter, 3/8" PTC x NPTF
PI201208S	John Guest Reducing Straight Connector, 3/8" x 1/4" PTC
AG008922	Replacement Cap Gasket

Liquid-Filled Pressure Gauges



Liquid effectively absorbs shock and eliminates needle pulsation. These gauges have a brass stem and 2-1/2" or 4" face. Generally, a gauge should be selected to read twice the maximum working pressure of the application in which it is used. Many pressure spikes can then be absorbed without damage to the gauge.

Part	Description
AG426711	Liquid-Filled Gauge - 2-1/2" - 30 PSI
AG052182	Liquid-Filled Gauge - 2-1/2" - 60 PSI
AG052183	Liquid-Filled Gauge - 2-1/2" - 100 PSI
AG426706	Liquid-Filled Gauge - 2-1/2" - 160 PSI
AG426708	Liquid-Filled Gauge - 2-1/2" - 200 PSI
AG426712	Liquid-Filled Gauge - 2-1/2" - 300 PSI
AG426714	Liquid-Filled Gauge - 2-1/2" - 400 PSI
AG426555	Liquid-Filled Gauge - 2-1/2" - 600 PSI
AG426704	Liquid-Filled Gauge - 2-1/2" - 1,000 PSI
AG426705	Liquid-Filled Gauge - 2-1/2" - 1,500 PSI
AG426709	Liquid-Filled Gauge - 2-1/2" - 2,000 PSI
AG717059	Liquid-Filled Gauge - 2-1/2" - 3,000 PSI
AG521843	Liquid-Filled Gauge - 2-1/2" - 5,000 PSI
WR26226	Liquid-Filled Gauge - 4" - 100 PSI

Dry Gauges



AGCO gauges give you the most for the money! These general-purpose dry gauges have 1/4" NPT brass connection. For anhydrous ammonia application, use stainless steel gauges only!

Note: *Not for use with NH_3.*

Part	Description
AG052327	2-1/2" Gauge - 60 PSI
AG052328	2-1/2" Gauge - 100 PSI
601006D1	2-1/2" Gauge - 160 PSI
AG059399	2-1/2" Gauge - 200 PSI
AG701244	2-1/2" Gauge - 600 PSI
AG052331	4" Gauge - 60 PSI
AG052330	4" Gauge - 100 PSI
AG052329	4" Gauge - 200 PSI
AG052326	Lens Cover for AGCO 2-1/2" Gauges

Dry Gauges for NH_3



These dry gauges are designed especially for use with ammonia.

Part	Description
AG052325	2-1/2" Gauge - 60 PSI
AG052324	2-1/2" Gauge - 160 PSI
AG060036	4" Gauge - 60 PSI
AG712862	4" Gauge - 160 PSI
AG052326	Lens Cover for AGCO 2-1/2" Gauges

Gauges with Oil-Filled Dampener



An oil-filled dampener prevents needle pulsations. A pre-measured amount of oil is used in each dampener to maintain accuracy. Dampener will also prevent foreign material from entering the gauge orifice. Dampener has 1/4" NPT male threads. Height 6".

Part	Description
AG511692	2-1/2" Gauge - 100 PSI
AG051319	4-1/2" Gauge - 60 PSI
AG051318	4-1/2" Gauge - 100 PSI

Stainless Steel Gauge



This gauge features stainless steel internal components, well suited for use with corrosive fertilizer solutions. Bottom connection is 1/4" NPT black lacquered steel.

Part	Description
AG514046	2-1/2" SS Gauge - 100 PSI

Gauge Dampener



Reduces needle pulsation. Plated steel 1/4".

Part	Description
AG000386	Gauge Dampener

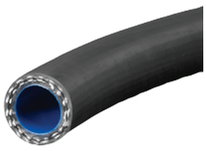
Gauge Isolator Kit

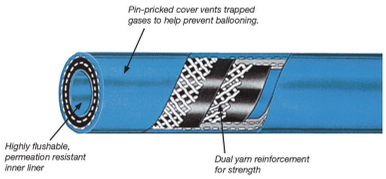


Designed to protect pressure gauges from corrosive chemicals and to keep chemicals out of the tractor cab. Materials exposed to fluids are Viton® and acetal. Gauge side of dampener requires glycerin or ATF fill. Mounts in 13/16" diameter hole in up to 14-Gal. material. Kit includes couplings and tubing required for most installations.

Part	Description
AG050651	Gauge Isolator Kit - 1/8"
AG050659	Gauge Isolator Kit - 1/4"

True Spray LLDPE Hose





TRUESPRAY™

Features and Benefits:

- Introduced in 2019 with AGCO as the most chemically-resistant agricultural spray hose in the industry. Permeation-resistant proprietary LLDPE/rubber blend tube and inner liner combine for unmatched chemical resistance, durability, and cleanout.
- For unwanted herbicide carryover prevention for your boom or orchard sprayer, this is your hose! Also available in blue (see dealer for details).

Part	Description
ACP0436820	3/8" ID - Max Press @ 70°F: 800 PSI
ACP0436830	1/2" ID - Max Press @ 70°F: 800 PSI
ACP0436840	3/4" ID - Max Press @ 70°F: 800 PSI, 100' Roll
ACP0436850	1" ID - Max Press @ 70°F: 400 PSI

EPDM Hose



Chemical-resistant hose made of EPDM rubber compounds. EPDM hose is compatible with a wide variety of today's chemicals and fertilizer solutions.

Notes: *Not for use with anhydrous ammonia! Some hose is sold to dealers only in roll quantities. Please contact your dealer for cut-to-length availability or if roll qty. is desired.*

Part	Description
AG513458	3/8" 1-Braid EPDM - 200 PSI - 0.69" OD - 700' Roll
AG513689	3/8" 2-Braid EPDM - 250 PSI - 0.71" OD - 700' Roll
AG513431	1/2" 1-Braid EPDM - 200 PSI - 0.81" OD - 550' Roll
AG513377	1/2" 2-Braid EPDM - 250 PSI - 0.88" OD - 550' Roll
ACX3344310	5/8" 1-Braid EPDM - 200 PSI - 0.94" OD
ACX3340940	3/4" 2-Braid EPDM - 200 PSI - 1.18" OD - By the Ft.
ACX3340990	1" 2-Braid EPDM - 150 PSI - 1.43" OD - By the Ft.
AG513393	1-1/4" 2-Braid EPDM - 150 PSI - 1.69" OD - 250' Roll
AG512230	1-1/2" 2-Braid EPDM - 150 PSI - 2.00" OD - 214' Roll
ACX3335900	2" 2-Braid EPDM - 150 PSI - 2.53" OD - By the Ft.

EPDM Suction Hose



Chemical-resistant EPDM suction hose. Wire reinforced to prevent collapsing.

Notes: *Not for use with anhydrous ammonia! Some suction hose is sold to dealers only in roll quantities of 100' unless otherwise noted. Please contact your dealer for cut-to-length availability or if roll qty. is desired.*

Part	Description
AG513894	1" EPDM Wire Braid - 125 PSI - 1.47" OD
ACX3340980	1-1/2" EPDM Wire Braid - 125 PSI - 2" OD - By the Ft.
ACX3335120	2" EPDM Wire Braid - 125 PSI - 2.5" OD - By the Ft.
ACX3335110	3" EPDM Wire Braid - 125 PSI - 3.5" OD - By the Ft.
AG511749	4" EPDM Wire Braid - 125 PSI - 4.56" OD
ACP0929790	5" EPDM Wire Braid - 125 PSI - 5.75" OD - 200' Roll, Sold Per Foot

Fertilizer Solution Hose



A rugged, flexible suction-and-discharge hose that is lightweight and resistant to herbicides and pesticides. Temperature range of -30°F to 149°F with good flexibility even in cold weather. Vacuum rating at 68°F is 28".

Notes: *Not for use with undiluted chemicals or anhydrous ammonia! Fertilizer solution hose is sold to dealers only in roll quantities of 100'. Please contact your dealer for cut-to-length availability.*

Part	Description
AG051723	1" Fertilizer Solution - 50 PSI at 68°F - 1.34" OD
AG051713	1-1/4" Fertilizer Solution - 70 PSI at 68°F - 1.61" OD
AG844870	1-1/2" Fertilizer Solution - 60 PSI at 68°F - 1.96" OD
AG844871	2" Fertilizer Solution - 60 PSI at 68°F - 2.49" OD
AG051714	3" Fertilizer Solution - 50 PSI at 68°F - 3.60" OD
AG052439	4" Fertilizer Solution - 45 PSI at 68°F - 4.69" OD

Reinforced Fertilizer Solution Hose



Reinforced, flexible suction/discharge hose for the agricultural and construction industries. Hose is resistant to diluted herbicides and pesticides and maintains good flexibility in sub-zero weather. Temperature range: -30°F to 140°F. Hose is black in color.

Notes: *Hose is sold to dealers only in roll quantities of 100'. Please contact your dealer for cut-to-length availability.*

Part	Description
AG427615	1-1/4" Fertilizer Solution Hose
AG427616	1-1/2" Fertilizer Solution Hose
AG427617	2" Fertilizer Solution Hose
AG427618	3" Fertilizer Solution Hose
AG427619	4" Fertilizer Solution Hose

PVC Water Suction/Discharge Hose

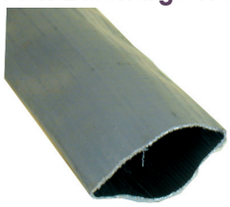


This flexible, reinforced PVC hose is used for suction and discharge applications. Hose is not chemical resistant. Excellent for air seeder applications.

Notes: *Not for use with anhydrous ammonia! PVC hose is sold to dealers only in roll quantities of 100'. Please contact your dealer for cut-to-length availability.*

Part	Description
AG710250	1" PVC, 90 PSI at 68°F, Per Foot
AG712479	1-1/4" PVC, 90 PSI at 68°F, Per Foot
AG712478	1-1/2" PVC, 90 PSI at 68°F, Per Foot
AG712477	2" PVC, 70 PSI at 68°F, Per Foot
AG426010	2-1/2" PVC, 65 PSI at 68°F, Per 100'
AG712476	3" PVC, 60 PSI at 68°F, Per Foot
AG712475	4" PVC, 50 PSI at 68°F, Per Foot
AG712474	6" PVC, 30 PSI at 68°F, Per Foot

Flex-Discharge Hose



Economical hose for water transfer. PVC tube and cover. Stays flexible at -10°F. Maximum temperature 150°F.

Notes: *Not for use with anhydrous ammonia! Flex-Discharge hose is sold to dealers only in roll quantities of 300'. Please contact your dealer for cut-to-length availability.*

Part	Description
AG052225	1-1/2" Flex Discharge, 75 PSI
AG052226	2" Flex Discharge, 60 PSI
AG052227	3" Flex Discharge, 50 PSI
AG052228	4" Flex Discharge, 45 PSI

Green XLPE for Chemical Transfer



For use with undiluted ag chemicals. Tube is cross-linked polyethylene. A synthetic textile braid and wire helix provide added strength. Cover is green VersiGard®. 150 PSI working pressure, -25°F to 150°F.

Notes: *Not for use with nitric and chromic acids or transfer of anhydrous ammonia! Green XLPE hose is sold to dealers only in roll quantities of 100'. Please contact your dealer for cut-to-length availability.*

Part	Description
AG710498	1-1/2" Chemical Transfer Hose - 2.03" OD
AG710499	2" Chemical Transfer Hose - 2.60" OD

EVA Tubing



For use on anhydrous ammonia applicators and is also the hose of choice by many for replacement sight gauge assemblies.

Notes: *Some tubing is sold to dealers only in roll quantities. Please contact your dealer for cut-to-length availability or if roll qty. is preferred.*

Part	Description
AG515061	1/4" EVA - 75 PSI at 72°F - 1,000' Roll
AG513676	3/8" EVA - 75 PSI at 72°F - 500' Roll
AG513677	1/2" EVA - 75 PSI at 72°F - 250' Roll
ACX3341000	3/4" EVA - 60 PSI at 72°F - By the Ft.
AG513679	1" EVA - 60 PSI at 72°F - 150' Roll

Translucent Hose



This hose is semi-transparent and has better resistance to chemicals than clear vinyl. Excellent for sight gauge. Maximum working pressure is 50 PSI. Not for use with anhydrous ammonia.

Notes: *Translucent hose is sold to dealers only in roll quantities. Please contact your dealer for cut-to-length availability.*

Part	Description
AG518822	1-1/4" Translucent Hose - 50' Per Roll
AG515487	1-1/2" Translucent Hose - 50' Per Roll

Reinforced EVA Tubing



Similar to our standard EVA tubing but reinforced for higher pressures. Temp. Range: -50°F to 125°F. For use with NH_3 not under pressure—open discharge only!

Notes: *EVA tubing is sold to dealers only in roll quantities. Please contact your dealer for cut-to-length availability.*

Part	Description
AG709926	1/4" EVA Reinforced - 250 PSI - 300' Roll
AG709925	3/8" EVA Reinforced - 250 PSI - 300' Roll
AG709924	1/2" EVA Reinforced - 250 PSI - 300' Roll
AG709923	3/4" EVA Reinforced - 150 PSI - 200' Roll
AG709922	1" EVA Reinforced - 150 PSI - 200' Roll

Reinforced Vinyl Tubing



The high pressure ratings of this reinforced vinyl tubing allow for a wider range of applications. Excellent for handguns and other sprayer applications. Temp. Range: 25°F to 150°F. Not for use with anhydrous ammonia!

Notes: *Reinforced vinyl tubing is sold to dealers only in roll quantities. Please contact your dealer for cut-to-length availability.*

Part	Description
AG709931	1/4" Reinforced Tubing - 200 PSI - 300' Roll
AG709930	3/8" Reinforced Tubing - 200 PSI - 300' Roll
AG709929	1/2" Reinforced Tubing - 200 PSI - 300' Roll
AG709928	3/4" Reinforced Tubing - 150 PSI - 300' Roll
AG709927	1" Reinforced Tubing - 125 PSI - 200' Roll

Clear Vinyl Hose



Clear vinyl hose is suitable for sight gauge and bypass applications. Designed for very low working pressure. Temperature range: -5°F to 125°F. Not for use with anhydrous ammonia!

Notes: *Clear vinyl hose is sold to dealers only in roll quantities. Please contact your dealer for cut-to-length availability.*

Part	Description
AG513670	1/4" Clear Hose - 50 PSI at 72°F - 100' Roll
AG512362	3/8" Clear Hose - 60 PSI at 72°F - 100' Roll
AG513650	1/2" Clear Hose - 50 PSI at 72°F - 100' Roll
AG515449	5/8" Clear Hose - 30 PSI at 72°F - 100' Roll
AG512141	3/4" Clear Hose - 30 PSI at 72°F - 100' Roll
AG511390	1" Clear Hose - 21 PSI at 72°F - 100' Roll
AG518775	1-1/4" Clear Hose - 100' Roll
AG056869	1-1/2" Clear Hose - 100' Roll

PVC 600-lb. Spray Hose



PVC high-pressure spray hose for use with fertilizers, herbicides, and insecticides in agricultural/lawn spray service, carpet cleaning, and roof cleaning industries.

Construction: PVC tube and cover, co-extruded with a single-braided synthetic cord

Features: Black and yellow ribbed, non-marking cover; lightweight, flexible/abrasion-resistant hose

Fittings: Hydraulic-type crimp-on fittings recommended

Temp Range: 25°F to 150°F

Notes: *Not for transfer of anhydrous ammonia. Not for use with aromatic-based hydrocarbons (Zylene).*

Part	Description
AG056966	Spray Hose, 3/8" 600 Lbs at 68°F - 300' Roll
AG712991	Spray Hose, 1/2" 600 Lbs at 68°F - 300' Roll
AG056967	Spray Hose, 3/4" 600 Lbs at 68°F - 300' Roll



GatorGuide

Regular inspection and replacement of damaged or worn hose will prevent costly downtime and crop damage from residual chemical absorption.

Hose and Tubing Cutter

For diameters up to 1-1/2".



Part	Description
AG005672	Hose and Tubing Cutter
AG052812	Blade Only

Nylon Cable Ties



Part	Description
AG553557	Tie Cable - 6-Pack -1/16" Long, Black
AG554278	Cable Tie, 11" Long, Black
402294X1	Cable Tie, 14-1/2" Long, Black

The Super Clamp



Get a real grip on those tough-to-clamp hoses with the stainless steel super clamp! Hoses vary in wall thickness; thus, the outside diameter also changes. All hose sizes are determined by the inside diameter. Listed below are the common hose sizes next to the clamp size that is frequently used. Be sure to check your hose OD and reference the (min.-max.) clamp diameter when selecting hose clamps.

Part	Description
AG562667	1-1/4" Super Clamp, (1.61-1.95)
AG561538	1-1/4" Super Clamp, (1.78-2.09)
ACP0409410	1-1/2" Super Clamp, (1.84-2.12)
AG561241	1-1/2" Super Clamp, (1.90-2.27)
AG561925	1-1/2" Super Clamp, (2.15-2.47)
AG561630	2" Super Clamp, (2.28-2.65)
AG561214	Super Clamp, (2.34-2.66)
AG561243	Super Clamp, (2.84-3.16)
AG518988*	3" Super Clamp, (3.10-3.69)
AG561247	3" Super Clamp, (3.28-3.65)
AG561245	3" Super Clamp, (3.40-3.77)
AG561216	4" Super Clamp, (4.25-4.62)
AG517155	5" Super Clamp, (5.39-5.70)
AG561272	6" Super Clamp, (6.53-6.90)
AG561814	6" Super Clamp, (6.68-7.05)

*See Note in your order system before placing your order

Worm Drive Hose Clamps



All stainless steel!

Part	Description
AG051816	Worm Drive Hose Clamp 0.35-0.62
AG561227	Worm Drive Hose Clamp 0.44-0.78
AG561215	M8, Fits 5/8" Hose
AG561228	M10 (.56-1.06) Hose
AG561229	Worm Drive Hose Clamp 0.62-0.75
AG561213	M16, Fits 3/4"-1" Hose
AG561230	M20, Fits 1" to 1-1/4" Hose
AG561231	M24, Fits 1-1/4" to 1-1/2" Hose
AG561218	Worm Drive Hose Clamp 1.31-2.25
AG561232	M32 (1.56-2.50) Hose
AG561233	M36, Fits 2" Hose
AG561234	M40, Fits 2-1/2" Hose
AG561235	M44 (2.31-3.25) Hose
AG561236	M48, Fits 3" Hose
AG561237	M64 (1.90-3.75) Hose
WR55299	M72, Fits 4" Hose



GatorGuide

We suggest using Super Clamps for clamping EPDM Suction hose and Green XLPE hose. Use two clamps on each end of the hose and offset them 180°.

Hose Protectors

Part	Description
AG519861	Hose Protector 6"
AG519860	Hose Protector 8"

Nylon Air Tubing



Part	Description
AG019927	1/8" - Per 10' Section
ACX3340950	1/4" - By the Ft.

Pressure Washer Hose

Hose assemblies are 50' in length, have 3/8" swivel ends and are rated at 3,000 PSI up to 200°F.

Part	Description
AG515712	3/8" Hose with 3/8"(M) x 3/8"(M) Ends
AG714568	3/8" Hose with 3/8"(F) x 3/8"(M) Ends



To find your nearest dealer or to order, go to parts.agcocorp.com

Mesh Size	Old Color	New Color	RAL #
6	White	No Change	N/A
8	Blue	Zinc Yellow	1018
12	Black	No Change	N/A
16	Gray	Brown Red	3011
20	Beige	No Change	N/A
30	Yellow	Flame Red	3000
40	Brown	No Change	N/A
50	Red	Gentian Blue	5010
60	Orange	Gentian Blue	5010
80	Blue	Zinc Yellow	1018
100	Green	Traffic Green	6024
120	Black	No Change	N/A
150	White	Pure Orange	2004

Poly "T" Strainer Body Assembly



A complete strainer consists of a strainer body assembly and the screen of choice.

How to order: to receive a complete strainer, order the desired strainer body assembly size plus the screen mesh size of choice. See Couplers for required connectors, clamps, and gaskets.

Note: *Order screen separately.*

Part	Description
AG053057	3/4" Strainer Body
AG053058	1" Strainer Body
AG053056	1-1/4" Strainer Body
AG053055	Strainer Assembly Less Screen 1-1/2"

Poly "T" Strainer Flange Style 1" and 2" Strainer Assemblies



Note: *Order screen separately.*

Part	Description
AG057600	1" Manifold Strainer Less Screen
AG057601	1-1/2" Manifold Strainer Less Screen
ACX2389910	2" Strainer Assembly Incl. 80 Mesh Screen

Poly "T" Strainer 3/4" and 1" Replacement Parts

Part	Description
AG052389	3/4" Head
AG052388	1" Head
AG052387	3/4" and 1" Bowl
AG052386	EPDM Gasket
AG053053	FKM Gasket
AG052394	16 Mesh Screen
AG052393	30 Mesh Screen
AG052392	50 Mesh Screen
AG052391	80 Mesh Screen
AG052390	100 Mesh Screen

Poly "T" Strainer 1-1/4" and 1-1/2" Replacement Parts



Applications: 1993-2002 664, 844, and 854 RoGator with standard volume liquid systems.

Notes: *Screen size selection should be based on tip sizes used. RoGator ships from the factory with a 30-mesh screen. To receive a complete strainer assembly, the strainer body and screen both must be ordered.*

Part	Description
AG052369	1-1/4" Head
700731728	Head Poly 1-1/2"
700731724	Bowl Poly 1-1/4" and 1-1/2" Strainer
700731726	Gasket 1-1/4" and 1-1/2"
700731731	Screen 30-Mesh for 1-1/4" and 1-1/2" Strainers
AG052953	Gasket FKM 1-1/4" and 1-1/2"
AG052375	Screen 16 Mesh for 1-1/4" and 1-1/2" Strainers
AG052373	Screen 50 Mesh for 1-1/4" and 1-1/2" Strainers
AG052372	Screen 80 Mesh for 1-1/4" and 1-1/2" Strainers
AG052370	Screen 100 Mesh for 1-1/4" and 1-1/2" Strainers
AG053055	Strainer Assembly Less Screen 1-1/2"

2" High Vol. Strainer and Replacement Parts



Applications: 1993-2002 664, 844, and 854 RoGator with high-volume plumbing systems.

Note: *Screen size selection should be based on tip sizes used. To receive a complete strainer assembly, the strainer body and screen both must be ordered.*

Includes head, bowl, and FKM gasket. To receive a complete strainer, order the body assembly and the screen of your choice.

- Stainless steel head type 316
- Poly bowl
- 150 PSI maximum at 70°F
- FKM gasket
- Bowl clean-out plug
- Stainless steel screens

Part	Description
AG053054*	Strainer Assembly Less Screen 2"
AG005229	Strainer Head
AG001978	Bowl Nylon
AG514057	EPDM Gasket
AG515477	FKM Gasket
AG052356	Screen 4 Mesh
AG052355	Screen 6 Mesh
AG052354	Screen 8 Mesh
AG052353	Screen 10 Mesh
AG052352	Screen 16 Mesh
AG052351	Screen 30 Mesh
AG052350	Screen 50 Mesh
AG052349	Screen 80 Mesh
AG052348	Screen 100 Mesh
700731727	Clean-Out Plug
AG054967	O-ring Clean-Out Plug

*See Note in your order system before placing your order

Poly Strainer 1254 Std. and High Volume



- Precision molded
- Corrosion resistant
- Lightweight
- Fiberglass reinforced
- Easy-grip end cap
- End cap drain plug design on 1-1/2" and 2" models

• EPDM gasket
• 75 PSI max. 3/4" to 1-1/4"
• 150 PSI max. 1-1/2" to 2"

Applications: 2000-2002 1254 RoGator with standard and high-volume liquid systems.

Notes: *Screen size selection should be based on tip sizes used. To receive a complete strainer assembly, the strainer body and screen both must be ordered. See 1-1/2" and 2" in the Y Strainer Screens parts list found in this section for Screens.*

Part	Description
AG053066	Strainer Body 2"
AG053088	Strainer Cap 1-1/2" and 2"
ACP0403510	1-1/2" Strainer Assembly w/12 Mesh SS Screen
700731727	Cleanout Plug
AG052953	Gasket Viton® 1-1/4" and 1-1/2"
AG053089	Gasket EPDM 1-1/2" and 2"
AG053070	3/4" Strainer Body
AG053069	1" Strainer Body
AG053068	1-1/4" Strainer Body
AG053067	1-1/2" Strainer Body

2" Flange Strainer & Replacement Parts



Applications:
• 2003-2005 8/10/1264 standard and high-rate
• 2005-2006 8/10/1274 standard and high-rate

Note: *To receive a complete strainer, order a strainer body plus the screen of your choice or order 508662D1 for RoGator C-Series*

Part	Description
AG057599	2" Flange-Type Y Strainer Less Screen (MLS200BC)
AG681508	2" Standard Port, 80 Mesh SS Screen
ACP0403570	2" Full Port, 50 Mesh FKM Screen
ACP0403580	2" Full Port, 80 Mesh FKM Screen
508662D1	2" Y-Strainer Assembly for RoGator C, 30 Mesh
581065D1	2" Y-Strainer Assembly for Rogator C, 50 Mesh
AG725930	Strainer Less Screen (MLS220BC) Full Port Flange
AG426505	Strainer Less Screen (MLS222BC) Full Port Line
AG052356	Screen 4 SS Mesh
AG052355	Screen 6 SS Mesh
AG052354	Screen 8 SS Mesh
AG052353	Screen 10 SS Mesh
AG052352	Screen 16 SS Mesh
AG052351	Screen 30 SS Mesh
AG052350	Screen 50 SS Mesh
AG052349	Screen 80 SS Mesh
AG052348	Screen 100 SS Mesh
AG725931	Strainer Body
AG725932	Cap Strainer
AG725928	Gasket - EPDM
700731727	Clean-Out Plug
AG053485	O-ring Clean-Out Plug

"Y" Strainer Screens, Poly-Ribbed



Part	Description
AG002434	20 Mesh Screen 1/2" and 3/4"
AG002433	40 Mesh Screen 1/2" and 3/4"
AG002435	80 Mesh Screen 1/2" and 3/4"
AG002441	20 Mesh Screen 1" and 1-1/4"
AG002442	40 Mesh Screen 1" and 1-1/4"
AG002443	80 Mesh Screen 1" and 1-1/4"
AG006444	6 Mesh Screen 1-1/2" and 2"
AG000992	12 Mesh Screen 1-1/2" and 2"
AG000993	20 Mesh Screen 1-1/2" and 2"
AG000947	30 Mesh Screen 1-1/2" and 2"
AG000994	50 Mesh Screen 1-1/2" and 2"
AG006434	80 Mesh Screen 1-1/2" and 2"
AG427477	100 Mesh Screen 1-1/2" and 2"
AG060613	120 Mesh Screen 1-1/2" and 2"

"Y" Strainer Gaskets

Part	Description
AG002436	EPDM Gasket 3/4" (LS075-G)
AG002437	EPDM Gasket 1" and 1-1/4" (LS100-G)
AG007504	EPDM Gasket 1-1/2" and 2" (LS200-G)
AG053089	EPDM Gasket 1-1/2" and 2" (LS150-G)*
AG052953	Gasket FKM 1-1/4" and 1-1/2"
AG427702	EPDM O-ring 1-1/2" and 2" Screens (LS141G)

"Y" Strainer Caps

Note: *(*) Parts for 1994 Model strainers.*

Part	Description
AG053070	Cap 3/4"
AG007962	Cap 1" and 1-1/4"
AG053088	Strainer Cap 1-1/2 and 2"

3" Type 316 Stainless Steel Strainer



3" strainer body assembly is sold less your choice of screen.
• Low flow resistance
• Corrosion resistant
• EPDM rubber gasket
• 200 PSI maximum

Note: *Order screen separately.*

Part	Description
AG518681	3" Strainer Body Assembly Less Screen
AG054012	6 Mesh Screen
AG005984	8 Mesh Screen
AG052335	12 Mesh Screen
AG051514	20 Mesh Screen
AG030074	30 Mesh Screen
AG009513	50 Mesh Screen
AG051552	Cap
AG005981	Screen Gasket (Two Required)
AG005982	Cap Gasket
AG051556	Clamp Assembly

LSQ Strainer Body Assemblies



The LSQ glass-filled polypropylene line strainer features a quick coupler cap for fast, easy access to the screen. For pressures up to 75 PSI. Screens are stainless steel, the same ones used in Banjo's other 1-1/2" and 2" strainers.

Note: *To receive a complete strainer, order the size body assembly plus the screen of your choice.*

Part	Description
AG050705	1-1/2" Strainer Body
AG050706	2" Strainer Body

LSQ Strainer Parts

Part	Description
AG006444	6 Mesh Screen 1-1/2" and 2"
AG000992	12 Mesh Screen 1-1/2" and 2"
AG000993	20 Mesh Screen 1-1/2" and 2"
AG000947	30 Mesh Screen 1-1/2" and 2"
AG000994	50 Mesh Screen 1-1/2" and 2"
AG006434	80 Mesh Screen 1-1/2" and 2"
AG050708	EPDM Gasket, Cap
AG055290	FKM Gasket, Cap
AG050707	Cap Assembly

3" FNPT "Y" Strainer



Banjo's Y-type strainer is made of glass-filled polypropylene for extra strength. It has 3" female NPT threads. The bottom of the cap has a 1/2" drain plug for easy and safe cleanout. 75 PSI maximum.

Note: *To receive a complete strainer other than 50 mesh, order the strainer body and cap plus the screen mesh of your choice. Strainer to be used on suction side or non-pressure side in all applications.*

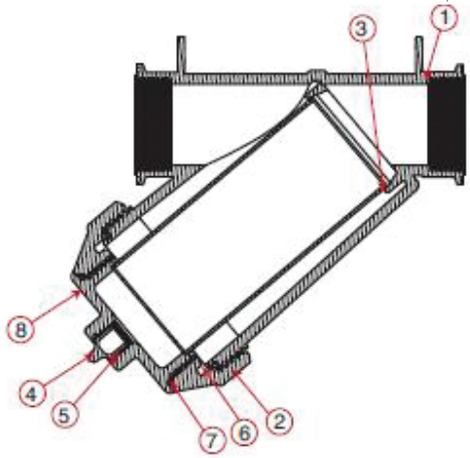
Part	Description
ACP0403520	3" Strainer Full Assembly with 50 Mesh Screen, SS
AG428427	3" Strainer Body and Cap



3" Manifold "Y" Strainer

Part	Description
ACP0403590	3" Manifold Y Strainer Assembly, 20 Mesh Screen

3" "Y" Strainer Replacement Parts



Ref	Part	Description
1	AG428428	3" Poly Bowl
2	AG428429	3" Cap
3	AG007481	4 Mesh Screen, SS
3	AG007749	12 Mesh Screen, SS
3	AG007343	20 Mesh Screen, SS
3	AG007748	50 Mesh Screen, SS
4	AG057552	1/2" Clean-Out Plug
5	AG057551	EPDM O-ring for Clean-Out Plug
6	AG428430	EPDM Cap Gasket
7	AG428431	EPDM End Cap Gasket
8	AG057608	End Cap Only (Plug Sold Separately)

Mesh Size	Current Color	Current Color Name	New ISO Color	New ISO Color Name
16		*Gray*		*Brown Red*
20		*Beige*		*Beige**
30		*Yellow*		*Flame Red*
50/60		*Red*		*Gentian Blue*
80		*Blue*		*Zinc Yellow*
100		*Green*		*Traffic Green*
120		*Brown*		*Black*
200		*Orange*		*Light Pink*

*Mesh Size not covered by ISO standard, color will not change

Model 122 Strainer, 1/2"



Glass-reinforced polypropylene with EPDM gasket and stainless steel screen, this compact strainer is only 4-1/4" high, 3-1/16" long, and 2-1/4" wide. The 1/2" size has an approximate flow rate of 12 GPM while the 3/4" size is up to 16 GPM with only a 5 PSI pressure drop. Maximum 150 PSI at 100°F.

Part	Description
AG050211	16 Mesh
AG050212	30 Mesh
AG050213	50 Mesh
AG050214	80 Mesh
AG050210	100 Mesh

Model 122 Strainer, 3/4"

Part	Description
AG050215	16 Mesh
AG050216	30 Mesh
AG050217	50 Mesh
AG050219	80 Mesh

Model 122 Repair Parts

For 1/2" and 3/4" TeeJet Model 122 Strainers.

Part	Description
AG050499	1/2" Head
AG050500	3/4" Head
AG050502	EDPM Gasket
AG050503	FKM Gasket
AG050504	Bowl
AG050414	30 Mesh Screen
AG050415	50 Mesh Screen
AG056662	80 Mesh Screen
AG050416	100 Mesh Screen

Model 126 Strainers 3/4", 1", and Flanged



TeeJet's AA126 Glass-Filled Polypropylene Flush-Out Line Strainer.

Features:

- 200 PSI maximum pressure rating
- Strainer head and bowl are made of polypropylene with EPDM gasket
- Screens are made of 304 stainless steel with color-coded polypropylene frames and are removable for cleaning
- Removable cap and O-ring for flush-out or self-cleaning operations
- Integral mounting provision allows the strainer to be attached to machine using 5/16" (3/4", 1") or 3/8" (1-1/4", 1-1/2") bolts

Note: *For a complete strainer, order the strainer assembly plus the screen of your choice.*

Part	Description
AG426885	Strainer Assembly 3/4"
AG426886	Strainer Assembly 1"
AG426887	Strainer Assembly F50 Flange
AG001930	Screen 16 Mesh SS
AG001933	Screen 30 Mesh SS
AG001931	Screen 50 Mesh SS
AG001932	Screen 80 Mesh SS
AG051631	Screen 100 Mesh SS
AG053503	Screen 200 Mesh SS

Model 126 Strainers 1-1/4", 1-1/2", and Flanged



AA126 Flush-Out Line Strainer.

Features:

- 200 PSI pressure rating
- Strainer head and bowl are made of glass-reinforced polypropylene with EPDM gasket
- Screens are made out of 304 SS with color-coded frames and are removable for cleaning
- Removable cap and gasket for flush-out or self-cleaning operations
- Integral mounting provision allows the strainer to be attached to machine using a 3/8" diameter bolt

Note: *For a complete strainer, order the strainer assembly plus the screen of your choice.*

Part	Description
AG426889	Strainer Assembly 1-1/4"
AG426890	Strainer Assembly 1-1/2"
AG426888	Strainer Assembly F75 Flange
AG001935	Screen 16 Mesh SS
AG001936	Screen 30 Mesh SS
AG001937	Screen 50 Mesh SS
AG001938	Screen 80 Mesh SS
AG051630	Screen 100 Mesh SS
AG426798	Screen 120 Mesh SS

Model 126 Self-Cleaning Strainers 3/4", 1", and Flanged



The TeeJet self-cleaning strainer extends your spraying time with a self-cleaning feature that minimizes clogging. Mounted on the discharge side of the pump, the strainer uses excess pump flow to bypass clogging particles back to the sprayer tank. The tapered inner cylinder inside the entire length of the screen provides a gap between the screen face and the cylinder. This gap causes the inlet fluid to flow at a high velocity past the screen face, providing a continuous wash-down of particles to the bypass line. In order for the wash-down to occur, a minimum flow rate of 6 GPM for 3/4" and 1" sizes, and 8 GPM for 1-1/4" and 1-1/2" sizes, is required through the bypass line.

Notes: *For a complete strainer, you must order both the strainer assembly plus the screen of your choice. Model 126 replacement screens are the same as the previous Model 124 replacement screens.*

Part	Description
AG426891	Strainer Assembly 3/4"
AG426892	Strainer Assembly 1"
AG426893	Strainer Assembly 50 Series Flange
AG009252	Screen 16 Mesh
AG009253	Screen 30 Mesh
AG009254	Screen 50 Mesh
AG009255	Screen 80 Mesh
AG009237	Screen 100 Mesh

Model 126 Self-Cleaning Strainers 1-1/4", 1-1/2", and Flanged

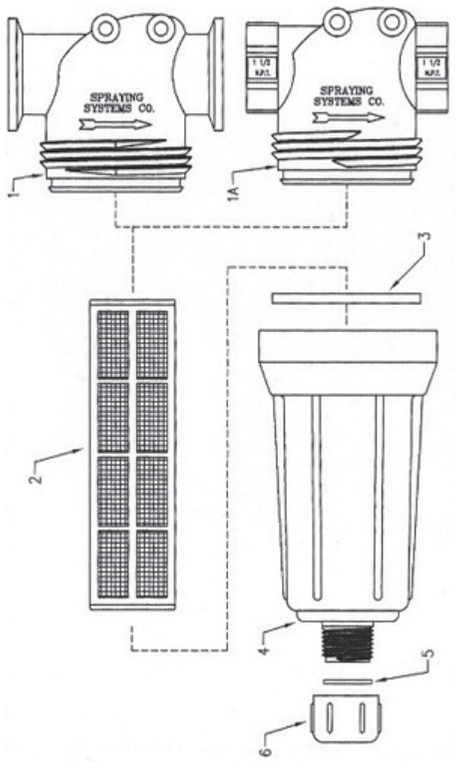


The TeeJet self-cleaning strainer extends your spraying time with a self-cleaning feature that minimizes clogging. Mounted on the discharge side of the pump, the strainer uses excess pump flow to bypass clogging particles back to the sprayer tank. The tapered inner cylinder inside the entire length of the screen provides a gap between the screen face and the cylinder. This gap causes the inlet fluid to flow at a high velocity past the screen face, providing a continuous wash-down of particles to the bypass line. In order for the wash-down to occur, a minimum flow rate of 6 GPM for 3/4" and 1" sizes—and 8 GPM for 1-1/4" and 1-1/2" sizes—is required through the bypass line.

Notes: *For a complete strainer, you must order both the strainer assembly plus the screen of your choice. Model 126 replacement screens are the same as the previous Model 124 replacement screens.*

Part	Description
AG426894	Strainer Assembly 1-1/4"
AG426895	Strainer Assembly 1-1/2"
AG426896	Strainer Assembly F75 Flange
AG426897	Screen 30 Mesh
AG009927	Screen 50 Mesh
AG051837	Screen 80 Mesh
AG426898	Screen 100 Mesh

Model 126 3/4" and 1" Repair Parts



Ref	Part	Description
1	AG426787	Strainer Head 3/4" NPT
1	AG426788	Strainer Head 1" NPT
1	AG426786	Strainer Head 50 Series Flange
2	AG001930	Screen 16 Mesh SS
2	AG001933	Screen 30 Mesh SS
2	AG001931	Screen 50 Mesh SS
2	AG001932	Screen 80 Mesh SS
2	AG051631	Screen 100 Mesh SS
2	AG053503	Screen 200 Mesh SS
3	AG426789	Gasket EPDM
3	AG426790	Gasket FKM
4	AG426791	Bowl 1" NPT
5	AG426792	Gasket EPDM
5	AG426793	Gasket FKM
6	AG426794	Cap

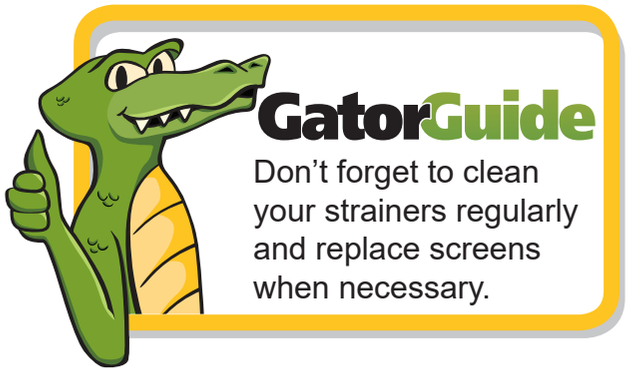
Model 124 1" and 1-1/2" Strainer Bodies



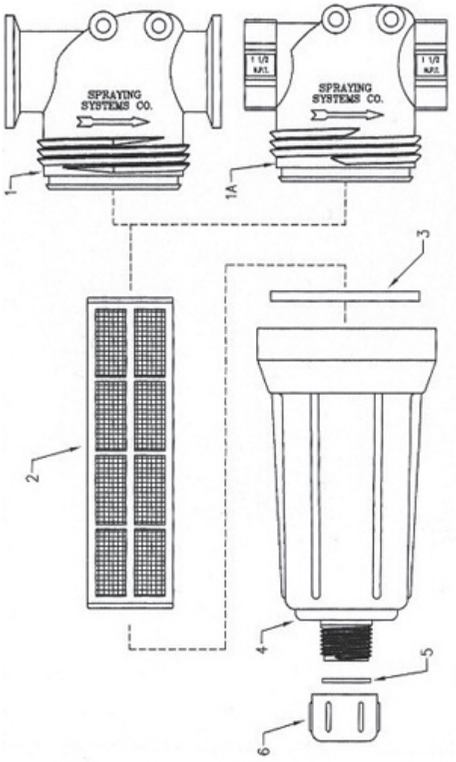
For pressures to 150 PSI and temperatures to 100°F. Iron head and nylon bowl with Buna gaskets. To receive a complete strainer, order the body assembly plus the screen size of your choice.

Note: *Order screen separately from next page.*

Part	Description
AG053182	1" Strainer Body
AG053171	1-1/2" Strainer Body



Model 126 1-1/4" and 1-1/2" Repair Parts



Ref	Part	Description
1	AG426796	Strainer Head 1-1/4" NPT
1	AG426797	Strainer Head 1-1/2" NPT
1	AG426795	Strainer Head 75 Series Flange
2	AG001935	Screen 16 Mesh SS
2	AG001936	Screen 30 Mesh SS
2	AG001937	Screen 50 Mesh SS
2	AG001938	Screen 80 Mesh SS
2	AG051630	Screen 100 Mesh SS
2	AG426798	Screen 120 Mesh SS
3	AG426799	Gasket EPDM
3	AG426800	Gasket FKM
4	AG426801	Bowl 1" NPT
5	AG426792	Gasket EPDM
5	AG426793	Gasket FKM
6	AG426794	Cap

Model 124 1" Strainer Parts

TeeJet

Part	Description
AG001930	Screen 16 Mesh SS
AG001933	Screen 30 Mesh SS
AG001931	Screen 50 Mesh SS
AG001932	Screen 80 Mesh SS
AG002550	Bowl
AG001825	FKM O-ring, Bowl
AG005120	1" Head

Model 124 1-1/2" Strainer Parts

TeeJet



Part	Description
AG001935	Screen 16 Mesh SS - Gray
AG001936	Screen 30 Mesh SS - Yellow
AG001937	Screen 50 Mesh SS - Red
AG001938	Screen 80 Mesh SS - Blue
AG001934	Bowl
AG001940	FKM Gasket
AG001939	Buna-N Gasket

Model 124 2" Strainer

TeeJet



For pressures to 150 PSI and temperatures to 100°F. Iron head and nylon bowl.

Note: *To receive a complete strainer, please order each component—head, bowl, gasket, and screen of your choice.*

Part	Description
AG052347	2" Head
AG052346	Bowl
AG514057	EPDM Gasket
AG515477	FKM Gasket
AG052356	Screen 4 Mesh
AG052355	Screen 6 Mesh
AG052354	Screen 8 Mesh
AG052353	Screen 10 Mesh
AG052352	Screen 16 Mesh
AG052351	Screen 30 Mesh
AG052350	Screen 50 Mesh
AG052349	Screen 80 Mesh

1/2" Nylon Strainers

PENTAIR HYPRO



Nylon Strainer with clear bowl, 1/4" I.D. FNPT and 1/2" O.D. MNPT.

- 150 PSI at 70°F
- 100 PSI at 125°F
- 140°F max

Part	Description
AG007432	Strainer - 50 Mesh
AG009386	Strainer - 80 Mesh
AG051455	FKM Gasket

3/4" Nylon

PENTAIR HYPRO



Nylon strainers have stainless steel screens and FKM gaskets and will handle most ag chemicals. Rating: 150 PSI at 70°F, 100 PSI at 125°F. Poly strainers have a stainless steel screen and EPDM gasket. Poly material is resistant to most acids. Rating: 80 PSI at 70°F.

Part	Description
AG513640	3/4" 50 Mesh Nylon
AG000414	3/4" 80 Mesh Nylon

3/4" Poly Strainers



Part	Description
AG009337	3/4" 50 Mesh Poly
AG009336	3/4" 80 Mesh Poly

3/4" Strainer Repair Parts

Part	Description
AG000468	50 Mesh Screen
AG000469	80 Mesh Screen
AG000419	Nylon Bowl
AG009335	Poly Bowl
AG009334	Poly Head
AG000325	FKM Gasket
AG000324	Buna Gasket
AG050982	EPDM Gasket

1" Nylon Strainers



Part	Description
AG000412	1" 50 Mesh Nylon
AG009257	1" 80 Mesh Nylon

1" Poly Strainers



Part	Description
AG009333	1" 50 Mesh Poly
AG009332	1" 80 Mesh Poly

1" Strainer Repair Parts

Part	Description
AG006683	80 Mesh Screen
6647757	Nylon Bowl
AG009331	Poly Bowl
AG009330	Poly Head
AG006081	FKM Gasket
AG050983	EPDM Gasket

1-1/4" Nylon Strainers



Part	Description
AG006147	1-1/4" 50 Mesh Nylon
AG009258	1-1/4" 80 Mesh Nylon

1-1/4" Poly Strainers



Part	Description
AG009329	1-1/4" 50 Mesh Poly
AG009328	1-1/4" 80 Mesh Poly

1-1/4" Strainer Repair Parts

Part	Description
AG007538	50 Mesh Screen
AG009259	80 Mesh Screen
6647757	Nylon Bowl
AG009331	Poly Bowl
AG006081	FKM Gasket
AG050983	EPDM Gasket

1-1/2" Nylon Strainer



Part	Description
AG009261	1-1/2" 50 Mesh Nylon

1-1/2" Poly Strainer



Part	Description
AG009326	1-1/2" 50 Mesh Poly

1-1/2" Strainer Repair Parts

Part	Description
AG009239	50 Mesh Screen
AG009240	80 Mesh Screen
6647757	Nylon Bowl
AG009331	Poly Bowl
AG006081	FKM Gasket
AG050983	EPDM Gasket

Pentair® Shurflo™ Classic Series Twist-On Strainers



- Easy assembly
- Keeps debris out of pump
- 50 mesh stainless steel screen
- 213 has 1/2" [13mm] pipe inlet
- 223 has 1/2" [13mm] barb inlet

Part	Description
AG427342	Shurflo Strainer 255-213
AG427343	Shurflo Strainer 255-223

In-Line Strainer



3/4" NPT inlet, brass body, and stainless steel screen.

Part	Description
AG001514	50 Mesh
AG002547	100 Mesh

Suction Strainers



Use of suction strainer on suction line, when drawing from streams or ponds, will help prevent plugging and damage to pump.

Part	Description
AG006519	2"
AG006517	3"

Suction Strainer



3/4" NPT inlet, brass body, and stainless steel screen.

Part	Description
AG002548	50 Mesh
AG001518	100 Mesh

Foot Valve with Strainer



Polymer material is noncorrosive and allows 30% to 50% more flow than ordinary valves. Works in any position.

Part	Description
AG006523	3/4"
AG006522	1"
AG006521	1-1/4"
AG006518	1-1/2"



GatorGuide

For Tip and Nozzle Strainers, see the Nozzle Accessories"section of the Spray Parts Catalog.

To find your nearest dealer or to order, go to parts.agcocorp.com



To find your nearest dealer or to order, go to parts.agcocorp.com

Selecting the Right Pump—Courtesy of PENTAIR SHURFLO

Pump Drives

How a pump is to be driven is often a primary consideration in selecting the proper type of pump. If the power source has already been determined, the following chart may be of further help in selecting the type of pump that is best suited to your needs.

How do you plan to drive the pump?

If your power source is:	Method	Roller	Centrifugal and Transfer	Diaphragm	Piston/Plunger
540 RPM PTO	Direct Coupled:	X		X	X
	Through Gear Drive:		X		
	Through Belt/Pulley:		X		
1,000 RPM PTO	Direct Coupled:	X			
	Through Gear Drive:		X		
	Through Belt/Pulley:		X		
Hydraulic Motor		X	X	X	X
12-Volt DC Motor		X		X	X
Gas Engine	Direct Coupled:	X	X		
	Through Gear Reduction:	X		X	X
	Through Belt/Pulley	X	X	X	X
Electric Motor	Direct Coupled:	X	X		
	Through Belt/Pulley	X	X	X	X

Flow and Pressure Requirements

Pump pressure required is often dependent on the application. Whether low-pressure band spraying or high-pressure tree spraying, it is the application that dictates what pressure is needed to get the right performance at the spray nozzle. Once you know what pressure is desired, choose a pump with extra pressure capacity due to losses in pressure as it goes through the system components (strainer, valves, elbows, hose, etc.) out to the nozzle.

How much pressure do you need?

Pressure		Flow		Pump
0-150 PSI (0-10 bar)	→	0-1,078 GPM (0-4,080 LPM)	→	Centrifugal
0-150 PSI (0-10 bar)	→	0-5 GPM (0-20 LPM)	→	Shurflo Diaphragm
0-300 PSI (0-20 bar)	→	0-60 GPM (0-225 LPM)	→	Roller
0-725 PSI (0-50 bar)	→	0-60 GPM (0-225 LPM)	→	Hypro Diaphragm
0-1,000 PSI (0-69 bar)	→	0-10 GPM (0-38 LPM)	→	Piston/Plunger
0-3,600 PSI (0-248 bar)	→	0-45 GPM (0-170 LPM)	→	Plunger

Pump flow required is dependent on several factors. Application rate, width of boom or size of nozzle, speed of travel and agitation. To review your pump flow requirements, follow through the calculations presented on the following pages. As with pressure, you will want to choose a pump that has additional flow so it meets your application needs over time as performance drops due to component wear.

How much flow do you need?

Flow		Pressure		Pump
0-5 GPM (0-20 LPM)	→	0-150 PSI (0-10 bar)	→	Shurflo Diaphragm
0-10 GPM (0-38 LPM)	→	0-1,000 PSI (0-70 bar)	→	Piston/Plunger
0-45 GPM (0-170 LPM)	→	0-3,600+ PSI (248+ bar)	→	Plunger
0-60 GPM (0-225 LPM)	→	0-300 PSI (0-20 bar)	→	Roller
0-60 GPM (0-225 LPM)	→	0-725 PSI (0-50 bar)	→	Hypro Diaphragm
0-1,078 GPM (0-4,080 LPM)	→	0-150 PSI (0-10 bar)	→	Centrifugal

To find your nearest dealer or to order, go to parts.agcocorp.com

Selecting the Right Pump—Courtesy of PENTAIR SHURFLO

Determining Pump Flow and Pressure Requirements

Every pumping task has an optimum volume and pressure requirement. Determining that optimum (and selecting the pump that delivers it) is key to an efficient and economical spraying system operation.

Pressure requirements for agricultural pumps are dependent on both the material to be applied and the application targets. Soil-applied herbicides generally require a relatively low-pressure pump rating of 30-60 PSI with foliar-applied herbicides at the top end of that range and slightly higher. Insecticides and fungicides can require higher pressure ratings of 100 to 500 PSI. Pressure must be sufficient, in the case of heavy-foliage field crops and orchard crops, to penetrate the leaf foliage. In the case of orchard crops, pressure must also be sufficient to carry material up and over as well as into the canopy.

A number of factors must be considered to properly determine the total flow you will need from your pump. They include:

- Type of spray operation (broadcast, banding, low-level, etc.)
- The chemical's application rate, ground speed, boom width, hose length, tank agitation, etc.

The spray task is the first consideration in determining flow rate and pressure needs. The following formulas and calculations may help.

Calculating Agitation Requirements

The pump must produce enough flow for both the application rate and tank agitation requirements. Too little agitation will not keep the solution in proper suspension—and too much agitation may cause foaming. Here are rule-of-thumb formulas for calculating how much additional pump flow you will need for agitation.

Liquids:

Tank volume (gallons) x .05 = total agitation in GPM	**or**	Tank volume (liters) x .05 = total agitation in LPM

Wettable Powders and Flowables:

Tank volume (gallons) x .125 = total agitation in GPM	**or**	Tank volume (liters) x .125 = total agitation in LPM

EXAMPLE: If you will be spraying a wettable powder from a 100-gallon tank, proper agitation will require 12.5 GPM additional flow from the pump.

Reducing Agitation Flow Requirements

Agitation flow requirements can be reduced by using jet agitation in the tank. Jet agitators use a Venturi design to multiply agitation output. Depending on the jet agitator model and pressure, one-gallon-per-minute input can provide two- to ten-gallons-per-minute agitation output. If your sprayer is equipped with a jet agitator, consult the operator's manual or documentation to find the output-to-input ratio and adjust your flow required for agitation accordingly.

Agitation Flow with Jet Agitation:

$$\text{required GPM} \times \frac{\text{input}}{\text{output}} \quad \textbf{or} \quad \text{required LPM} \times \frac{\text{input}}{\text{output}}$$

For example: If you calculate a requirement of 63 GPM of agitation and your jet agitator produces 3-to-1 output-to-input ratio, your pump would only need 1/3 of 63 GPM, or 21 GPM.

Selecting the Right Pump—Courtesy of PENTAIR SHURFLO

Factor in an "Excess Flow" Requirement

It is wise to have some excess flow capacity so you will not end up with an undersized pump—because actual operation conditions may cause changes in spray system performance (such as normal pump wear, operating at less than rated speeds, etc.). Hypro recommends you add 20% to your calculated total pump flow requirement to compensate for these variables. Plumbing systems have a number of restrictions that will result in a pressure drop from the pump to the actual spray point. These must be taken into account and minimized.

Calculating Pump Flow for Broadcast Boom Sprayers

Chemical application is measured in gallons per acre (GPM) or liters per hectares (L/Ha), whereas pump flow is stated in gallons per minute (GPM) or liters per minute (LPM). To calculate the pump flow required by a broadcast boom sprayer, multiply the application rate (from the chemical label) by the sprayer ground speed. Multiply the sum by the boom width on your sprayer. Then, divide that number by 495 for U.S. units or by 600 for metric units. As a formula, it is written like this:

Flow required for boom:

$$GPM = \frac{GPM \times MPH \times \text{boom width (ft.)}}{495} \quad \textbf{or} \quad LPM = \frac{L/Ha \times km/hr \times \text{boom width (m)}}{600}$$

The result will be the pump flow required to deliver the proper application rate at the boom's nozzles. Then calculate your total pump flow requirement (broadcast):

Flow required for boom		_____GPM
Flow required for agitation	+	_____GPM
Sub-total	=	_____GPM
Excess flow requirement	x	1.20
TOTAL PUMP FLOW NEEDED		_____GPM

OR

Flow required for boom		_____LPM
Flow required for agitation	+	_____LPM
Sub-total	=	_____LPM
Excess flow requirement	x	1.20
TOTAL PUMP FLOW NEEDED		_____LPM

Calculating Pump Flow for Banding Sprayers

First, multiply the band width by the number of rows to determine the total width (w). Then, multiply the application rate (from the chemical label) by the ground speed. Multiply that result by the total width (w) calculated earlier, then divide the result by 5,940 for U.S. units or 60,000 for metric units. Here's how the formula appears:

Total band width of sprayer:

$$w = \text{rows} \times \text{band width (inches)} \quad \textbf{or} \quad w = \text{rows} \times \text{band width (cm)}$$

Flow required for banding nozzles:

$$GPM = \frac{GPM \times MPH \times w}{5{,}940} \quad \textbf{or} \quad LPM = \frac{L/Ha \times km/hr \times w}{60{,}000}$$

The result will be the pump flow required to deliver the proper application rate at the boom's nozzles. Then calculate your total pump flow requirement (banding):

Flow required for boom		_____GPM
Flow required for agitation	+	_____GPM
Sub-total	=	_____GPM
Excess flow requirement	x	1.20
TOTAL PUMP FLOW NEEDED		_____GPM

OR

Flow required for boom		_____LPM
Flow required for agitation	+	_____LPM
Sub-total	=	_____LPM
Excess flow requirement	x	1.20
TOTAL PUMP FLOW NEEDED		_____LPM

To find your nearest dealer or to order, go to parts.agcocorp.com

Selecting the Right Pump—Courtesy of PENTAIR SHURFLO

Calculating Pump Flow for Hand Gun Spraying

For low-level spraying with a hand gun, such as for lawn and turf care, professional applicators typically "walk" the lawn at about 1,000 sq. ft. per minute or 100 sq. m. per minute. That means the "GPM" or "LPM" rate of the hand gun will generally be the same as "gallons per 1,000 sq. ft." or "liters per 100 sq. m."

To Determine Your Total Pump Flow Requirement:

Flow required for gun/nozzle:		_____	Liters per 1,000ft² (same as GPM)
Flow required for agitation:	+	_____	GPM
Sub-total	=	_____	GPM
Excess flow requirement:	x	1.20	
TOTAL PUMP FLOW NEEDED:		_____	GPM

Flow required for gun/nozzle:		_____	Liters per 1,000ft² (same as GPM)
Flow required for agitation:	+	_____	LPM
Sub-total	=	_____	LPM
Excess flow requirement:	x	1.20	
TOTAL PUMP FLOW NEEDED:		_____	LPM

Use this same method for calculating the pump flow requirement for high-pressure spraying, such as trees. Even though the application "rate" is usually a visual saturation of the tree, the known GPM or LPM factor will be the hand gun nozzle output, which is the rate you use for the calculation.

Calculating Pump Pressure for Hand Gun Spraying

For most hand gun chemical spraying, 40 PSI (3 bar) at the nozzle is typical. To properly select a pump that can deliver the right nozzle pressure, you must consider the normal "pressure drop" that occurs within the length of hose. The amount of pressure drop through the hose depends on hose length, hose diameter and flow rate. For example, 300' (90 m) of 1/2" hose spraying at 6 GPM (23 LPM), will have a pressure drop of approximately 120 PSI (8 bar). That means you need a pump delivering at least 160 PSI (12 bar) in order to ensure 40 PSI (3 bar) at the nozzle.

Desired pressure at gun nozzle:		_____	PSI
Hose pressure loss:	+	_____	PSI
TOTAL PUMP PRESSURE NEEDED:	=	_____	PSI

or

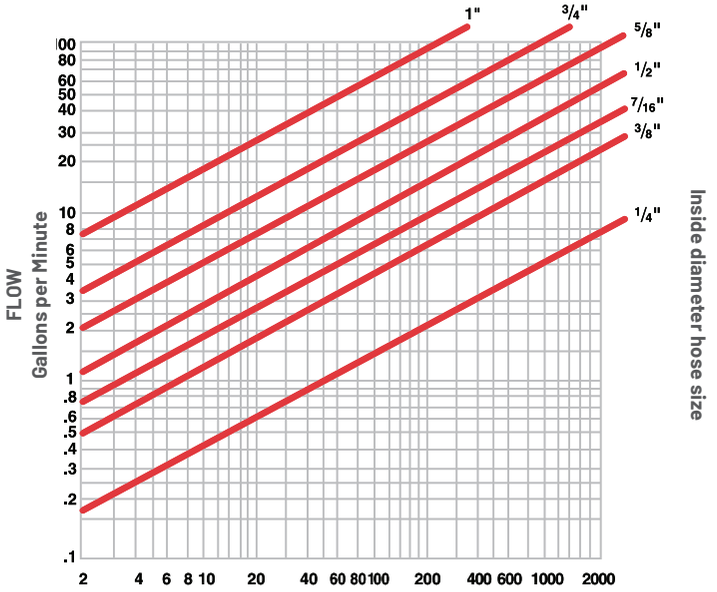
Desired pressure at gun nozzle:		_____	bar
Hose pressure loss:	+	_____	bar
TOTAL PUMP PRESSURE NEEDED:	=	_____	bar

NOTE: When determining the total pump pressure requirement for high tree spraying, you must also consider the spray height (or reach) you need to attain. Generally, pumps of up to 700 PSI (50 bar) are used for this purpose.

Pressure Loss at Various Rates of Flow of Water Through Hose*

at temperature of 68° Fahrenheit (20°C.)

*1/4-inch to 1-inch inside diameter



Pressure Loss, PSI per 100 feet of hose, without couplings

To find your nearest dealer or to order, go to parts.agcocorp.com

Ace Pump FMC-75-HYD

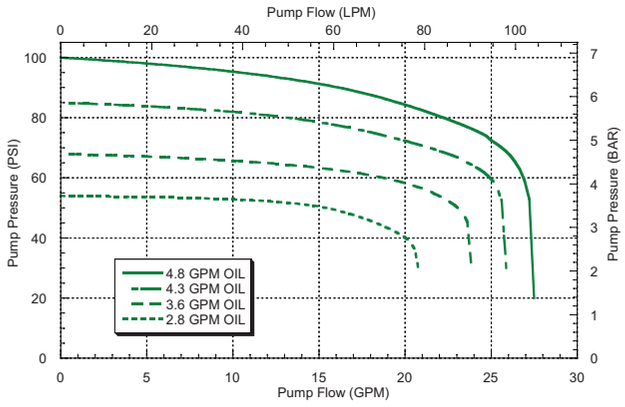
Note: *See Technical Pages for parts breakdown.*



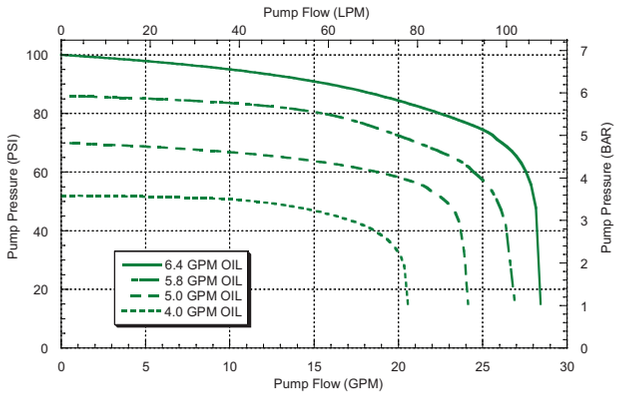
- All-poly construction for excellent corrosion resistance
- Fully serviceable design for long life
- Compact and lightweight
- Many parts are common with other Ace HYD models
- Commonly used for fertilizer application on planters

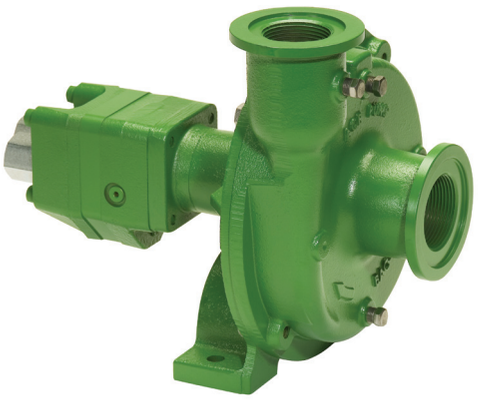
Part	Description
AG428401	Pump, FMC-75-HYD-204
AG428402	Pump, FMC-75-HYD-206

FMC-75-HYD-204



FMC-75-HYD-206





ACE 150 Series Pumps

150 Series High Performance.

Now Featuring a PWM Option

Features:

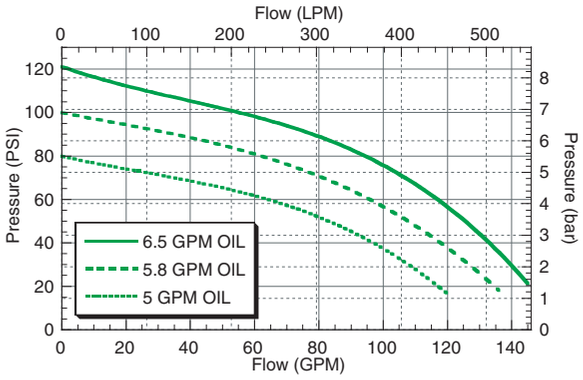
- 1-1/2" suction, 1-1/4" discharge
- F model equipped with NPT ports and industry standard flanged connections
- FS model constructed of 316 stainless steel with NPT ports and industry standard flanged connections
- SP model is self priming, making it perfect for load and spray applications
- Provides higher pressure and greater volume for applications with large tanks and longer spray booms
- The 206 motor requires 7 GPM maximum hydraulic fluid input and fits virtually all tractor hydraulic systems

Recommended for:

- Pressure-compensating closed-center systems
- Load-sensing closed-center systems
- Open-center systems up to 16 GPM using internal needle bypass

Note: *See Technical Pages for parts breakdown.*

FMC-150F-HYD-206



Part	Description
AG051612	Pump FMC-150-HYD-206 with Valox® Impeller
AG056370	Pump FMC-150-HYD-206 with Iron Impeller
AG427514	Pump FMC-150-HYD-206N with Iron Impeller and Silicon Carbide Seals
AG053328	Pump Less Motor - FMC-150-HYD-206 with Valox® Impeller
AG426875	Pump FMC-150F-HYD-206
ACP0560650	FMCSC-150F-HYD-206-PWM
AG426876	Pump FMC-150FS-HYD-206
ACP0560660	FMCSC-150FS-HYD-206-PWM
AG426877	Pump FMC-150SP-HYD-206

ACE 200 Series Pumps

Now Featuring a PWM Option



200 Series High Flow.

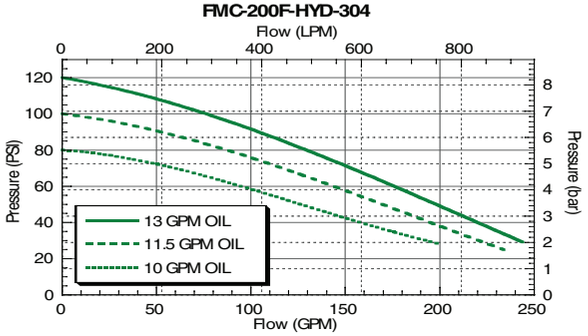
- 2" suction, 1-1/2" discharge
- F model equipped with industry standard flanged connections (not threaded)
- Ideal for spraying large tank agitation, liquid transfer, and spray transfer combinations

- The 210 motor requires 10 GPM maximum hydraulic fluid input
- The 304 motor requires 11 GPM maximum hydraulic fluid input
- The 310 motor requires 16 GPM maximum hydraulic fluid input

Recommended for:

- Pressure-compensating closed-center systems
- Load-sensing closed-center systems
- Open-center systems up to 20 GPM using internal needle valve bypass

Note: *See Technical Pages for parts breakdown.*



Part	Description
AG000161	Pump, FMC-200-HYD-210
AG054349	Pump, FMC-200-HYD-304
AG427123	Pump, FMC-200F-HYD-304 with Iron Impeller
AG426878	Pump, FMC-200F-HYD-304 with Valox® Impeller
AG000162	Pump, FMC-200-HYD-310

ACE 205 Series Pumps

Now Featuring a PWM Option



- Suction 300 Series Flange
- Discharge 220 Series Flange
- Recommended for use on the following Hydraulic Systems:
  - Pressure-compensating closed center
  - Load sensing or pressure flow-compensating closed center
  - Open center from 10 to 20 GPM (38 to 75 LPM)—Integral needle valve bypasses up to 9 GPM (34 LPM)
- Type 2106 silicon carbide mechanical seal for improved survivability
- Larger 203 bearings for longer life
- Chemical-resistant Valox® or optional cast iron or 316 stainless steel impeller
- Stainless steel shaft and wear ring

Note: *See Technical Pages for parts breakdown.*

Part	Description
AG429684	Pump, FMC-205F-HYD-304
ACP0560680	Pump, FMCSC-205F-HYD-304-PWM

ACE FMC-HYD Series Pumps

Now Featuring a PWM Option

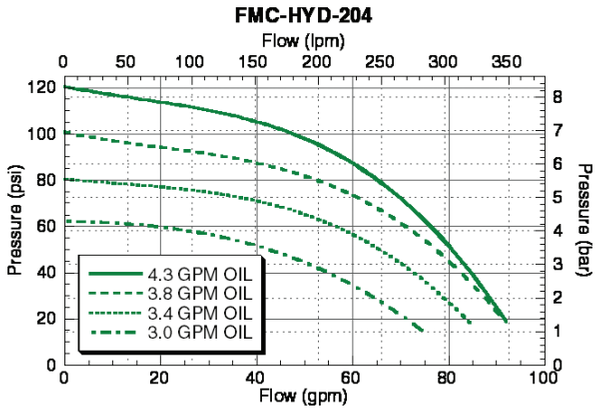


Ace hydraulic-driven straight centrifugal pumps are cast iron for rugged durability. Belts, pulleys, and PTO shafts are eliminated and pumps can be mounted anywhere within reach of hydraulic hoses. A choice of seals allows operator to select the correct pump for his application. The pump's hydraulic motor should be matched to the tractor system from the chart below. Standard impeller is Valox® while pumps with cast iron impellers are also available.

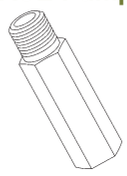
- 1-1/4" suction x 1" discharge

Notes: *Maximum pump performance can be established by regulating the flow of hydraulic oil to the motor so the pump delivers 100 PSI in a deadhead situation—all sprayer functions are off, including booms, agitation, and bypass. Pumps are equipped with mechanical seal. See Technical Pages for parts breakdown.*

Part	Description
AG000158	Pump, FMC-HYD-204
AG054898	Pump, FMC-HYD-204 with Cast Iron Impeller
ACP0560670	Pump, FMCSC-HYD-206-PWM
AG000159	Pump, FMC-HYD-210
AG058538	Pump, FMC-HYD-210 with Cast Iron Impeller
AG000160	Pump, FMC-HYD-310



ACE Pump Flow Limiters



ACE Hydraulic Flow Limiter Valve.

- Installs in ACE hydraulic motor inlet port
- Shuts off all hydraulic flow when the motor's capacity is exceeded
- Protects motor from over-speeding
- Automatically resets when hydraulic pressure is released
- Sizes available for all Ace models, recommended for use on load-sensing hydraulic systems

Part	Description
AG427089	Flow Limiter LS-204N
AG427090	Flow Limiter LS-206N
AG427091	Flow Limiter LS-210N
AG726257	Flow Limiter LS-304
ACP0560690	LS-304N

ACE 650 Series Pumps

Now Featuring a PWM Option



FMCWS-650F-HYD
FMCWS-650FS-HYD

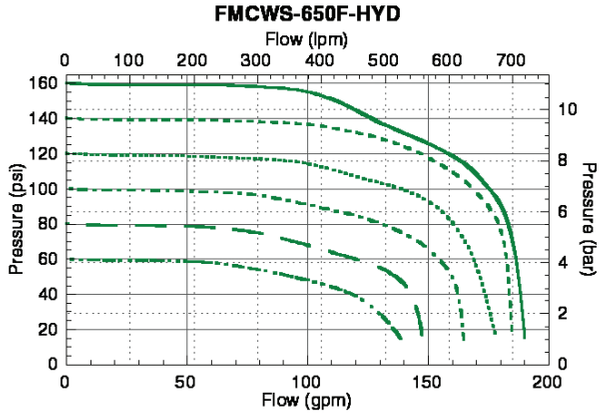
Features:

- Equipped with Oasis™ Wetseal Technology.
- Tall Blade Impeller design develops higher pressure at lower RPM.
- F model equipped with NPT ports and industry standard flanged connections.
- FS model has a 316 stainless steel wet end including impeller, volute, and seal plate with industry standard full-port flanged connections for maximum performance.
- The M16 motor requires 14 GPM (53 LPM) maximum hydraulic fluid input.

Recommended for:

- Pressure-compensating closed center systems
- Load sensing closed center systems
- Open center systems up to 14 GPM (53 LPM)

Maximum Flow: 170 GPM (643.5 LPM)
Maximum Pressure: 160 PSI (11 bar)



ACE 750 Series Pumps

Now Featuring a PWM Option



FMC-750F-HYD-M22

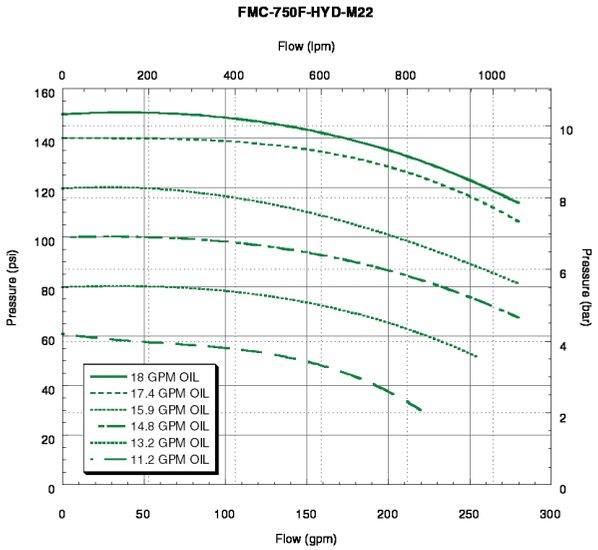
Features:

- Equipped with Oasis™ Wetseal Technology.
- The M22 motor requires 18 GPM (68.1 LPM) maximum hydraulic fluid input.

Recommended for:

- Pressure-compensating closed center systems
- Load sensing closed center systems
- Open center systems up to 18 GPM (68.1 LPM)

Maximum Flow: 290 GPM (1,097 LPM)
Maximum Pressure: 150 PSI (10.3 bar)





ACE 855 Series Pumps

FMC-855F-HYD

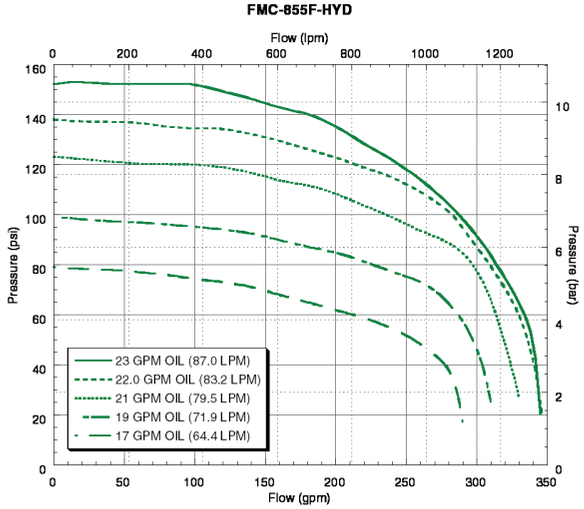
Features:

- Equipped with Oasis™ Wetseal Technology.
- The M30 motor requires 23 GPM (87 LPM) maximum hydraulic fluid input with #6 SAE case drain port and is standard on the 855 MAX pump.

Recommended for:

- Pressure-compensating closed center systems
- Load sensing closed center systems
- Open center systems up to 23 GPM (87 LPM)

Maximum Flow: 345 GPM (1,306 LPM)
Maximum Pressure: 150 PSI (10.3 Bar)



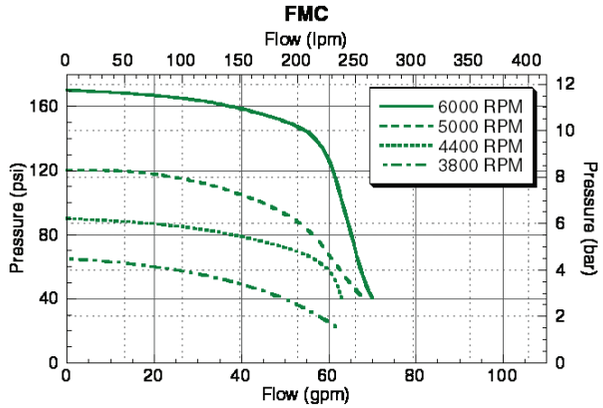
Part	Description
ACP0393650	Pump, FMCWS-650F-HYD
ACP0393660	Pump, FMCWS-650FS-HYD
ACP0393670	Pump, FMC-750F-HYD-M22
ACP0393680	Pump, FMC-855F-HYD
ACP0494150	FMCWS-125-HYD
ACP0560700	FMCWS-650F-HYD-PWM
ACP0560710	FMC-750F-HYD-M22-PWM

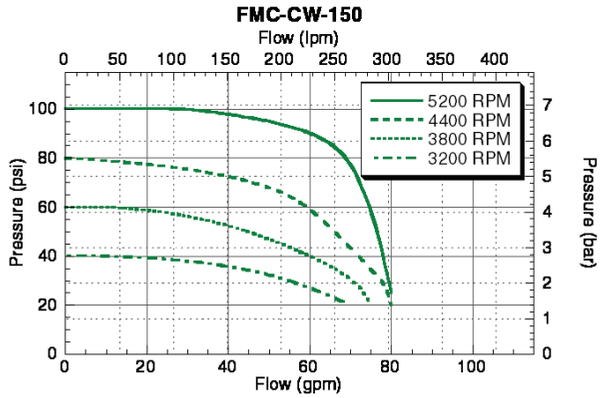
ACE Magnetic Clutch Pumps



A dependable, low-cost pump for use on self-propelled sprayers. Rugged cast iron construction with sealed ball bearings allows this pump to easily handle abrasive wettable powders. Pump comes equipped with heavy-duty 12-volt electric clutch for use on tractor installations where PTO or hydraulic system is impractical. Available in either clockwise or counterclockwise rotation. Both come with a mechanical seal.

Note: *Rotation of the pump is determined by viewing the pump from the shaft or clutch end. Clutch pulley diameter is 5-1/4". See the Technical Pages for more information on repairs.*





Part	Description
AG429022	Pump, FMC-MAG-D, 1-1/4" x 1", Counter-Clockwise
AG429023	Pump, FMC-CW-150-MAG-D, 1-1/2" x 1-1/4", Clockwise

ACE Magnetic Clutch Pump Repair Parts

Part	Description
AG429024	Clutch Assembly
AG429025	Spacer, Clutch
AG000015	Seal, Viton® - Standard
AG000016	O-ring - Shaft
AG000003	Gasket 4 Holes (Used Prior to 1996)
6610653	Bearing (2 Required)
AG000042	Impeller, Cast Iron, Optional
AG000009	Shaft, Stainless Steel, LH Coarse Thread

Ace Gemini Dual Pump Kit



Ace's Gemini™ Dual Pump Kit is designed for dual liquid application on planters and sprayers. It uses one hydraulic supply to run two Ace pumps, allowing operators to quickly and easily dial in separate application rates. Kit Includes:

- Switch box assembly—15' cable
- Implement wire harness—12' cable
- Hydraulic manifold assembly
- Hydraulic return tee
- Adapter for load sense (LS) port
- Connectors with 8" pig tail
- Power connection kit with fuse

Features:

- Operate two pumps independently
- Supply oil from one tractor remote or power beyond circuit
- Use on tractors with load sensing (LS) or pressure-compensated (PC) hydraulic systems
- Two modes of operation:
  - Manual mode—independent on/off operation from cab with independent manual flow adjustment at the hydraulic manifold
  - PWM mode—independent pump regulation and on/off with PWM signal from controller

Benefits:

- Dual rate precision application
- Expands tractor's hydraulic connections
- Minimizes trips through the field, reducing:
  - Fuel costs
  - Labor costs
  - Compaction
  - Equipment wear and tear

Part	Description
AG429068	Gemini Dual Pump Kit

SpraCoupe Replacement Pump



Ace's replacement pump is a direct replacement for the Hypro® pumps on SpraCoupe models 3430, 3440, 3630, 3640, 4440, and 4640.

Features:

- Suction 1-1/2", discharge 1-1/4"
- Clockwise rotation when facing pulley end
- Chemical-resistant Valox® impeller
- 3/4" diameter stainless steel shaft
- Standard Viton® seal
- Heavy-duty DC 12-volt magnetic clutch transmits up to 44 HP at 4,000 RPM

Feature Comparisons:

- Pump bearings are 204 heavy-duty compared to 202
- Pump shaft is 3/4" compared to 5/8"
- Clutch rating is 58 ft lbs compared to 30 ft lbs
- Two clutch bearings as opposed to one
- Clutch pulley made of machined steel as opposed to stamped steel

Part	Description
AG000154	Pump FMC-150-Mag-DX3

PTO Belt-Driven Pumps



Cast iron 1-1/4" x 1" straight centrifugal pumps with pulleys and 10-groove belt arranged for PTO drive. Frame-mount model designed for use with tumblerod drive shaft. A Viton® mechanical seal is standard and is compatible with most chemicals. Data is based on 1' lift through unrestricted suction hose and fittings with full 1-1/4" inside diameter.

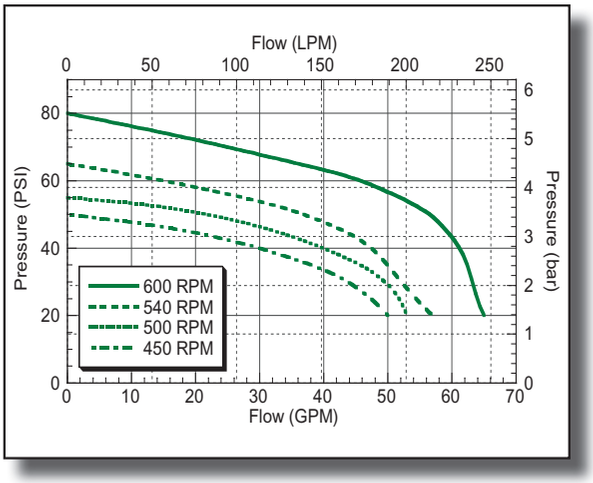
Note: *See Technical Pages for parts breakdown.*

Performance:

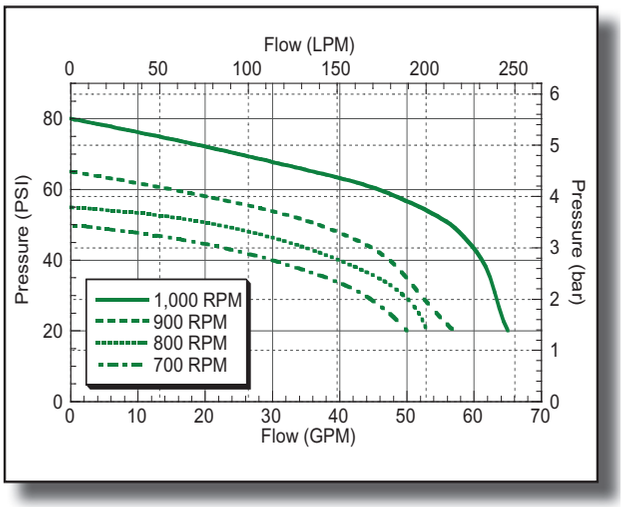
- 20 PSI - 57 GPM
- 40 PSI - 48 GPM
- 50 PSI - 37 GPM

Part	Description
AG513758	Pump, 540 RPM, 6 Spline, 1-3/8"
AG000144	Pump, 540 RPM, 6 Spline, 1-3/8" Quick Coupler
AG005577	Pump, 1,000 RPM, 20 Spline, 1-3/4"
AG000149	Pump, 1,000 RPM, 21 Spline, 1-3/8"
AG000126	Repair Kit, 540 RPM Pumps

600 RPM PERFORMANCE CHART



1,000 RPM PERFORMANCE CHART



High-Performance PTO Belt-Driven Pumps

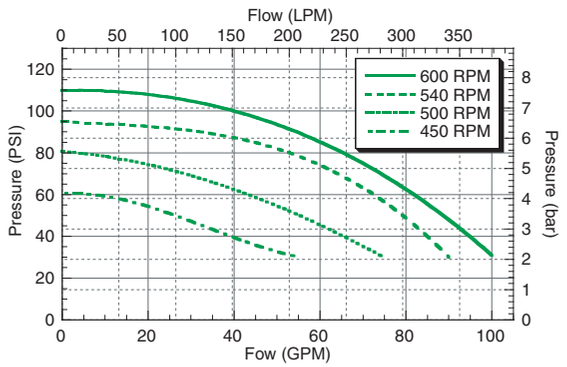


The 150 Series pumps are designed with an increased pulley ratio and larger inlet and discharge port (1-1/2" x 1-1/4"). This provides higher pressure and greater volume for applications with large spray tanks and long spray booms. The increased performance allows the operator to save fuel by running at lower engine speeds and still maintain adequate spraying pressure. Standard pumps have Viton® seal and Valox® impeller—cast iron impeller pumps are also available.

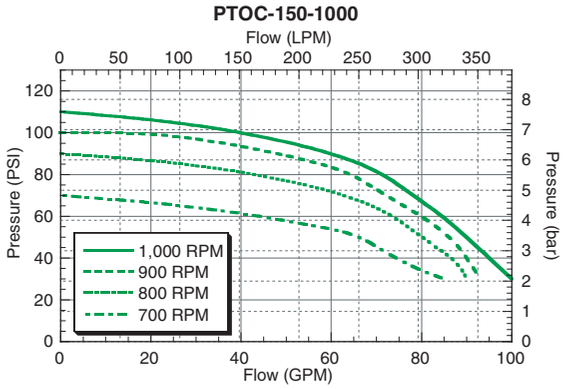
Note: *To avoid possible problems, make certain all sprayer components are capable of handling the increased performance characteristics of the 150 Series Pump. 1-1/2" suction, 1-1/4" discharge. See Technical Pages for parts breakdown.*

Part	Description
AG051605	Pump, 540 RPM, 6 Spline, 1-3/8" PTO
AG051291	Pump, 540 RPM, 6 Spline QC, 1-3/8" PTO
AG051606	Pump, 540 RPM, 1" Stub Shaft
AG051608	Pump, 1,000 RPM, 20 Spline, 1-3/4" PTO
AG051609	Pump, 1,000 RPM, 1" Stub Shaft

PTOC-150-600



PTOC-150-1000



ACE Frame Mount Pumps

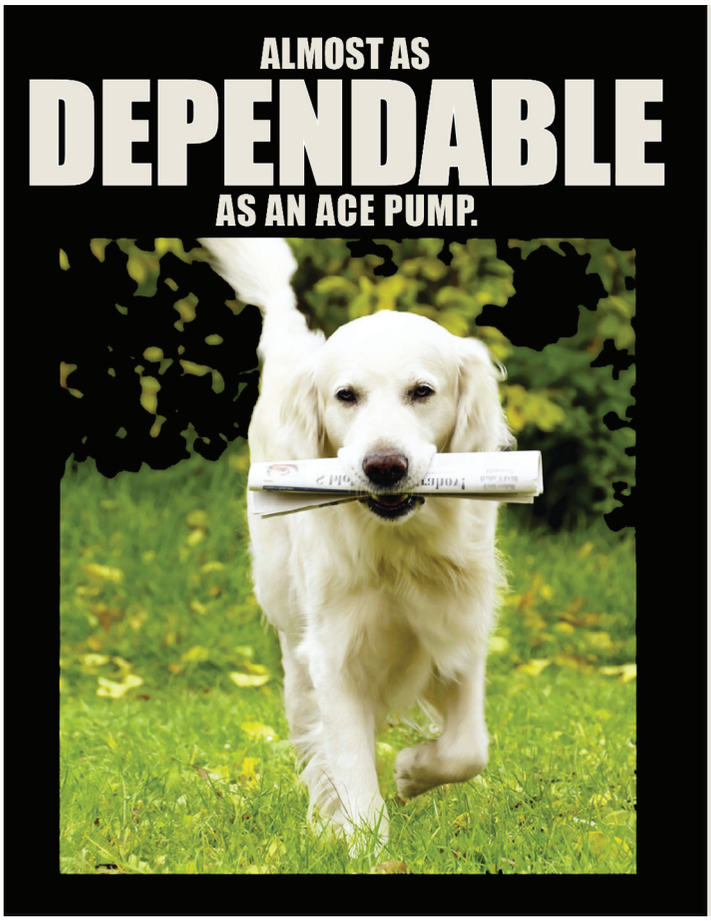


Ace Model FMC offers a dependable, low-cost pump for use on self-propelled sprayers or mounted on a base for electric motor or gasoline engine drive. These pumps feature sealed ball bearings and a readily replaceable mechanical seal. Easily handles abrasive wettable powders.

Ace Model FMCH features an increased pressure range. Grease-lubricated lip-type seals located in impeller intake area eliminate pumping pressure on seals, thereby increasing seal life. Grease protects seals when running dry.

Note: *CW = Clockwise Rotation.*

Part	Description
AG000155	Pump FMC, 1-1/4" x 1"
AG051610	Pump FMC-150, 1-1/2" x 1-1/4"
AG726888	Pump FMC-CW, 1-1/4" x 1"
AG000181	Pump FMC-CW-150, 1-1/2" x 1-1/4"
AG000182	Pump FMC-CW-200, 2" x 1-1/2"
AG000129	Repair Kit with Viton® Seal for FMC





If dependability is something you value in life, look no further than Ace brand pumps. Every Ace pump features state-of-the-art design, advanced components and uncompromising quality control. The end result: pumps you can count on for years of reliable service. To learn why an Ace pump is a farmer's best friend, please visit us at www.acepumps.com, or contact your nearest Ace Pumps distributor.

ACE PUMPS | ANNOVI REVERBERI GROUP

Hypro 9000 Series Centrifugal Pumps

PENTAIR HYPRO



Hypro's 9000 series centrifugal pump has an oil-lubricated gear drive. Their cast iron construction, Viton® seal, sealed bearings, and nylon impeller are all features that make this pump a quality investment. 1-1/2" inlet, 1-1/4" outlet.

Notes: *Gear case requires SAE 80W90 oil.*
** = Pumps include PTO locking collar kit and PTO mounting clip. See Technical Pages for parts breakdown.*

Part	Description
AG051108	9006C-0 Pump, 540 RPM, 1-3/8" PTO Shaft*
AG051110	9016C-0 Pump, 540 RPM, 1" Shaft
AG051109	9008C-0 Pump, 1,000 RPM, 1-3/8" PTO Shaft*
AG051111	9018C-0 Pump, 1,000 RPM, 1" Shaft
AG051112	9028C-0 Pump, 1,000 RPM, 1-3/4" PTO Shaft*

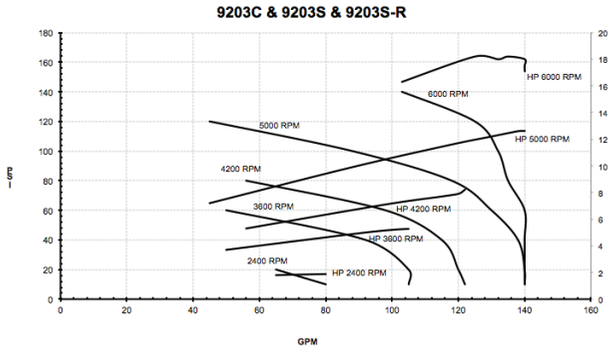
Pentair® Hypro™ 9203 Pump/Magni-Clutch



PENTAIR HYPRO

When PTOs and hydraulics are all used, the magni-clutch method of pump drive can be used. An existing engine belt (A type) should be selected to drive the pump. Clutch is rated to transfer up to 23 HP at speeds up to 4,000 RPM. Pulley is 5". A lighter-duty clutch will handle up to 10 HP. Order pump and clutch separately.

Note: *See Technical Pages for parts breakdown.*



Part	Description
AG000213	Hypro® 9203C Pump
AG052734	Hypro® 9203C-R Pump (Clockwise)
515284D1	92038 Full Pump and Clutch Assembly, SpraCoupe
6668810	OEM Hypro 92020 Pump, SpraCoupe

Hypro Series 9302 Series Pumps



PENTAIR HYPRO

Note: *See Technical Pages for parts breakdown.*

Part	Description
AG520320	OEM RG Standard Volume Pump MY95-04 854, 8/10/1264

Hypro Series 9303C Pumps

PENTAIR HYPRO



Hypro Series 9303C can be mounted almost anywhere on the tractor or sprayer. It becomes an integral part of the vehicle's hydraulic system, and caution should be taken when selecting these pumps. A single stainless steel shaft links both pump and motor. This promotes smooth performance and less maintenance. Impeller is nylon and pump's seal is Viton® to resist chemicals. Port sizes are 1-1/2" inlet and 1-1/4" outlet. Max flow 120 GPM. Max pressure 140 PSI. Shipping weight: 23 lbs. Stainless steel also available. Hypro stainless steel pumps are made with 316 stainless steel casings for improved durability and resistance to caustic solutions. Hypro stainless steel pumps are fitted standard with Hypro Life Guard® seals, which are silicon carbide based and possess 21 times the dry run survivability of standard seals.

Notes: *Effective January 2010, hydraulic motors have 3/4" NPT tank outlet port adapters instead of 1/2" adapters (old style). Tanks return line recommendation changes from 1/2" return hose to 3/4" return hose. See Technical Pages for parts breakdown.*

Part	Description
ACW3728650	RoGator C Standard Volume Pump
AG000247	9303C-HM1 Pump
AG000248	9303C-HM2 Pump
AG005590	9303C-HM4 Pump
AG057686	9303C-HM5 Pump
AG428749	9303S-HM1CU-001 Stainless Steel Pump
AG428750	9306S-HM5C-001 Stainless Steel Pump
AG055091	Seal and O-ring Repair Kit
AG122578	Life Guard® Silicon Carbide Seal Kit

Series 9304C Pumps



Hypro Series 9304C can be mounted almost anywhere on the tractor or sprayer. It becomes an integral part of the vehicle's hydraulic system and caution should be taken when selecting these pumps. A single stainless steel shaft links both pump and motor. This promotes smooth performance and less maintenance. The 9304C offers increased flows for today's larger sprayers.

Features:

- Max flow: 190 GPM
- Max pressure: 110 PSI
- Port sizes: 2" inlet, 1-1/2" outlet
- Housing: Cast iron
- Impeller: Nylon
- Hydraulic ports: 1/2" NPT
- Motor capacities: 5-20 GPM
- Centrifugal shaft seals: Viton®/ceramic standard
- Hydraulic motor seal: Double-lip Teflon®
- Weight: 21 lbs.

Notes: *Performance:*

- *HM1C-Hyd Flow, 12 GPM-210 GPM at 40 PSI - 188 GPM at 50 PSI - 160 GPM at 60 PSI - 87 GPM at 80 PSI*
- *HM3C-Hyd Flow, 18 GPM-189 GPM at 10 PSI - 164 GPM at 30 PSI - 140 GPM at 40 PSI - 49 GPM at 60 PSI*
- *HM5C-Hyd Flow, 14 GPM-205 GPM at 30 PSI - 194 GPM at 40 PSI - 161 GPM at 50 PSI - 72 GPM at 70 PSI*

Effective January 2010, hydraulic motors have 3/4" NPT tank outlet port adapters instead of 1/2" adapters (old style). Tanks return line recommendation changes from 1/2" return hose to 3/4" return hose. See Technical Pages for parts breakdown.

Part	Description
AG426229	Pump 9304C-HM3C
AG053943	Pump 9304C-HM5C

Hypro 9306 Pumps

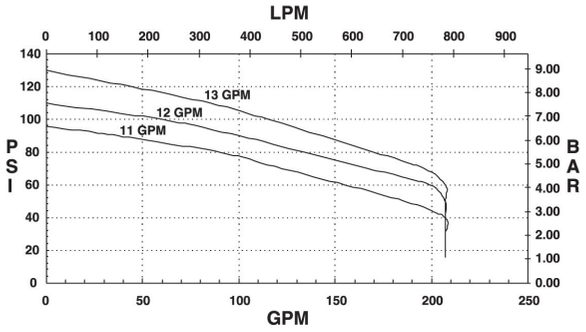


Features:

- Hydraulic motor drive for open- or closed-center systems
- Max flow: 214 GPM
- Max pressure: 150 PSI
- Port sizes: 2" inlet, 1-1/2" outlet
- Housing: Cast iron or stainless steel
- Impeller: Glass-filled nylon
- Hyd Ports: 1/2"
- Motor Capacity: 10-20 GPM
- Max Motor PSI: 2,000
- Weight: 33 lbs.
- Cast pump has Viton®/ceramic seals standard
- Stainless pump has Life Guard® silicon carbide seals standard

Notes: *Seal and O-ring Repair Kit contains: one mechanical seal, one O-ring, and one rubber gasket. Silicon Carbide Seal Kit contains: one mechanical seal and one O-ring. See the 9307 Pump offering for RoGator C-Series machines equipped with High Volume pumps. See Technical Pages for parts breakdown.*

9306C-HM1C & 9306S-HM1C



Part	Description
579678D2	Standard Volume Product Pump for RoGator C-Series
579304D2	Standard Volume Product Pump for RoGator A/B MY02013-2017
AG426808	Pump 9306C-HM1 207 GPM, 130 PSI
AG426229	Pump 9306C-HM3 214 GPM, 135 PSI
AG426809	Pump 9306C-HM5 212 GPM, 140 PSI
AG426880	Pump 9306S-HM1 207 GPM, 130 PSI
AG426881	Pump 9306S-HM3 214 GPM, 135 PSI
AG426882	Pump 9306S-HM5 212 GPM, 140 PSI
AG055091	Seal and O-ring Repair Kit
AG122578	Life Guard® Silicon Carbide Seal Kit

9307C Pumps

PENTAIR HYPRO

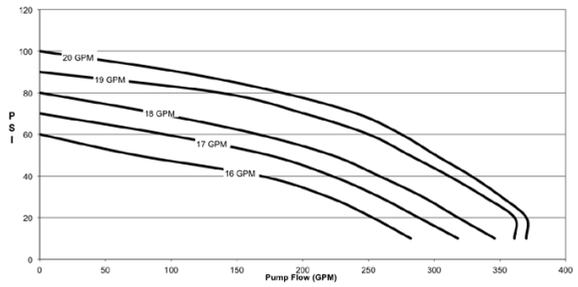


Features:

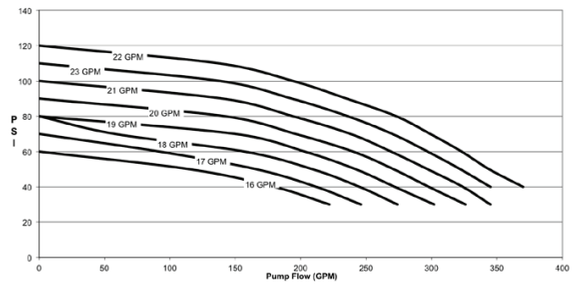
- Hydraulic motor drive for open- or closed-center systems
- Life Guard® silicon carbide seal
- Max flow: 358 GPM
- Max pressure: 135 PSI
- 3" inlet, 2" outlet
- Cast iron housing
- Motor capacity for GM10: 20 GPM
- Motor capacity for GM12: 22 GPM

Note: *See the 9306C Pumps for Standard Volume pumps for RoGator. See Technical Pages for parts breakdown.*

9307C-GM10 AND 9307C-GM10-U



9307C-GM12 AND 9307C-GM12-U



Part	Description
579683D1	High Volume Pump for RoGator C-Series
AG427222	Pump 9307C-GM10
AG427223	Pump 9307C-GM12
AG427358	Life Guard® Mechanical Seal Kit
579683D1	9307C for RGC 4x3 PLMB



GatorGuide
See Technical Pages for Pump parts breakdowns and Repair Kit information.

Model 9403C Belt Drive Centrifugal Pumps

PENTAIR HYPRO

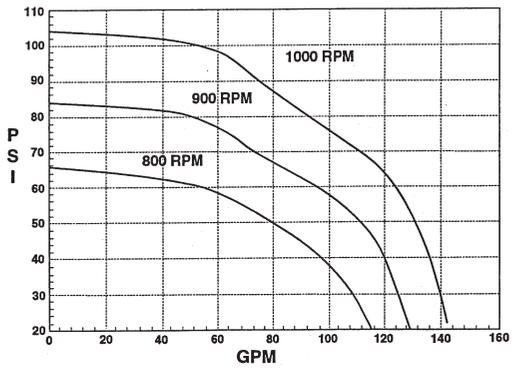


The 540- and 1,000-RPM Model 9403C are available in 1" solid shaft, PTO spline hollow shaft, or PTO quick coupler drive. These pumps offer higher performance than the old-style belt drive with higher pressures and flows. These pumps are belt driven through a speed-increasing pulley system employing a 12-groove, poly-V belt. Power is obtained from either a 540- or 1,000-RPM PTO. The belt is tensioned through a spring-loaded idler to help absorb instantaneous torque loads. The pump body is all cast iron construction; the impeller is glass-filled nylon; and the shaft is 416 stainless steel with Viton® seals. Other models also available include the 9402C Series cast iron 1-1/4" x 1" model and the 9403P model that features a polypropylene pump body with 1-1/2" x 1-1/4" ports. Contact us for pricing and order numbers.

Note: *1-1/2" inlet, 1-1/4" outlet. See the Technical Pages for more information on repairs.*

Model 9403C 1000 RPM Cast Iron

9403C 1000 RPM BELT DRIVE



Part	Description
AG055376	9403C-1,000 Pump, 1,000 RPM, 21 Spline Hollow
AG055379	9403C-540 Pump, 540 RPM, 6 Spline Hollow

Pump Oil

PENTAIR HYPRO



1 quart of Hypro Pump Oil.
Be sure to monitor pump fluid levels and follow recommended service intervals for your sealed, ForceField, and diaphragm pumps. It is critical to use the proper fluids when servicing ForceField and Pentair diaphragm pumps.

Part	Description
AG057486	Hypro® Pump Oil - Quart for Diaphragm Pumps
ACP0407990	Wet Seal Replacement Fluid
ACP0500190	9313/9314 Series ForceField Replacement Fluid

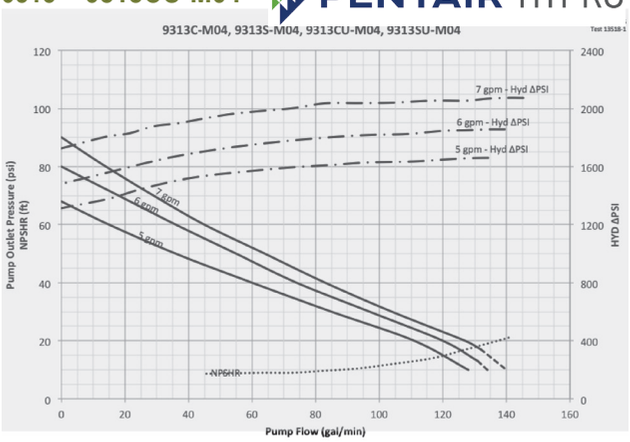
Hypro ForceField Pumps



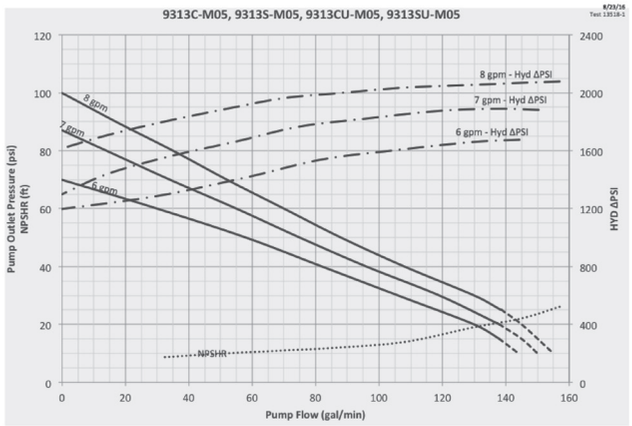
- Hypro ForceField Technology is a superior wet seal technology that provides the ultimate protection for the mechanical seal and avoids costly downtime
- Protects the mechanical seal against common failures related to dry run and chemical bonding by using a barrier fluid to keep it cool and lubricated
- Actively maintains a pressure differential between the barrier fluid and the pumping solution, which results in longer life and worry-free operation
- Designed to be a drop-in replacement for standard Hypro hydraulically driven centrifugal pumps

Part	Description
700751437	9313CU-M04 Used on Planter Liquid Systems
ACP0508410	9313SU-MO5 Used for Planter/Side Dress
AG429074	Pump 9314C-M10 for B Series RoGators
AG429683	Pump 9314C-M10 for C Series RoGators
ACW7614540	Speed Sensor - Required for AG429683

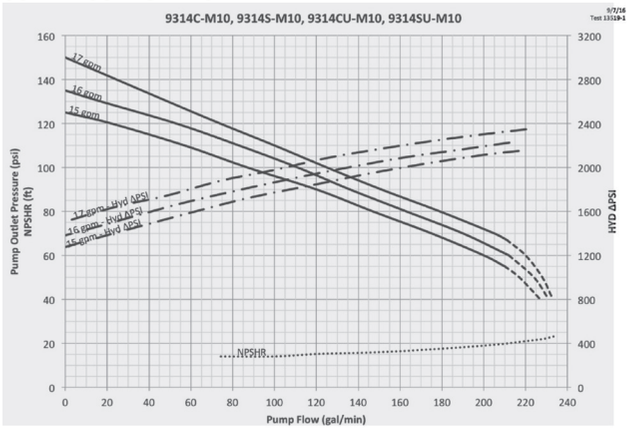
Hypro Series 9313 – 9313CU-M04



Hypro Series 9313 – 9313SU-MO5

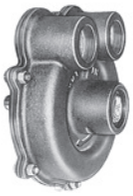


Hypro Series 9314 – 9314C-M10



Note: *Performance on RoGator OEM Pumps may vary from published generic Pentair Pump Performance Curves.*

Delavan Turbo 90 Pump



The Delavan Turbo 90 pump is designed to operate directly from a 1,000-RPM PTO without attachments and will pump suspended materials without accumulation like a conventional turbine pump. It can be used for large-quantity liquid transfer or high-volume sprayer applications. A glass-reinforced nylon impeller is designed to reduce corrosion and increase pump life with less rotation weight. The high capacity allows sufficient bypass flow to maintain maximum agitation. Large 1-1/2" inlet and outlet ports permit high-volume unrestricted flow.

Notes: *A high-capacity strainer with a 20-mesh screen must be used on the inlet side. Failure to do so could void warranty.*

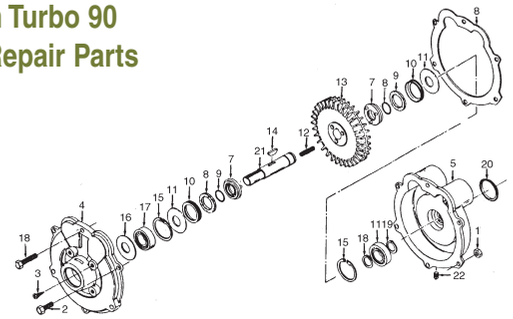
Part	Description
AG002101	Turbo 90, Pump with Lip Seal

Turbo 90 Repair Kit

Note: *Repair kit includes one gasket, two seals, and two seal supports.*

Part	Description
AG002108	Repair Kit, Includes Lip Seal for Standard Duty
AG006878	Repair Kit, Includes Face Seals for Abrasive Liquids

Delavan Turbo 90 Pump Repair Parts



Ref	Part	Description
6	AG002838	Gasket
7	AG002826	Seal Ring
10	AG006878	Repair Kit, Includes Face Seals for Abrasive Liquids
11	AG006428	Seal Support
13	AG005331	Impeller Assembly Nylon
13	AG006588	Hub, Impeller
13	AG006587	Impeller Only Less Hub
17	AG000366	Bearing - 2 Required
21	AG002135	Shaft

Torque Bar and Chain



Anchors pump directly on PTO rather than with solid base. Keeps the pump from turning with the shaft.

Part	Description
AG005266	Torque Bar and Chain

Quick Coupler for 1,000 RPM



Part	Description
AG002839	Quick Coupler for 1-3/4" PTO

Dual Speed Coupler



Fits either 540- or 1,000-RPM 1-3/8" PTO shafts. Allows quick and simple slip-on, slip-off installation of a pump to a tractor PTO shaft. Just pull collar back and slide on or slide off. The coupler is secured to the pump shaft with allen head set screw. Made of corrosion-resistant cast aluminum and the collar is made of super-tough nylon, color-coded International orange.

Part	Description
AG009674	Coupler, 5/8"
AG009676	Coupler, 15/16"

Severe Service Coupler



Reduces the chances of vibration because it clamps a full 360° on a pump shaft and tractor PTO shaft. Made of durable steel. 15/16" pump shaft and made for either 1-3/8" or 1-3/4" 1,000-RPM PTO.

Part	Description
AG008723	Coupler, 1-3/8", 1,000 RPM
AG009202	Coupler, 1-3/4", 1,000 RPM

Roller Pumps

PENTAIR HYPRO

Hypro pumps are available in cast iron, Ni-resist, or the super-corrosion-resistant Silver Series XL models. Shafts are stainless steel and bearings are factory lubricated—so no greasing is required. The Silver Series models are especially designed for use with highly-corrosive herbicides. Test results indicate they can last up to 10 times longer than cast iron models and three times longer than Ni-resist.

Hypro 4000 Series Roller Pump



- Max pressure: 150 PSI
- 4-roller pump
- Rated speeds: 1,800 RPM/2,600 RPM
- Shaft size: 5/8" solid
- Max. fluid temp: 140°F/60°C
- Port size: 3/4" NPT
- Rollers: Super rollers standard
- Weight: 5 lbs.
- Shaft seals: Viton® standard
- Pump shaft rotation: CW (R) series is CCW
- Max flow: 4001 9 GPM at 1,800 RPM
- Max flow: 4101 7 GPM at 2,600 RPM

Part	Description
AG000221	Roller Pump 4001 Cast Iron
AG844795	Roller Pump 4001 Ni-Resist
AG053657	Roller Pump 4001 XL
AG007096	Roller Pump 4101 Cast Iron
AG842890	Roller Pump 4101 Ni-Resist
AG053519	Roller Pump 4101 XL
AG841966	Coupler 5/8" Hollow Shaft
AG051507	Base Kit - Electric Motor (4001, 4101)
AG007289	Base Kit - Gas Engine Drive (4101 Only)
AG006246	Pump Repair Kit Super Rollers
AG005900	Pump Repair Kit Polypropylene Rollers

1502 Series Roller Pumps

PENTAIR HYPRO



- 1-1/2" ports
- 15/16" shaft
- 6-roller pump
- 33.1 GPM at 540 RPM
- 62.1 GPM at 1,000 RPM

Note: *C = Cast Iron; N = Ni-Resist; *Ni-Resist = Nickel-impregnated cast iron.*

SPEED (RPM)	PRESSURE (LBS. PER SQ. INCH)							
	0 LBS.		50 LBS.		100 LBS.		150 LBS.	
	GPM	HP	GPM	HP	GPM	HP	GPM	HP
400	25	½	21	1¼	19	2	17	2¾
500	31	¾	27	1½	25	2½	23	3½
600	37	¾	34	1¾	31	3	29	4¼
800	47	1	44	2½	42	3¾	40	5½

Part	Description
AG007590	Pump Roller 1502C
AG053411	Pump Roller 1502XL
AG055425	Pump Roller 1502XL-R
AG005697	Poly Roller - 5 Required
AG000366	Bearing - 2 Required
AG000330	O-ring
AG000372	Viton® Seal - 2 Required
AG007586	Repair Kit 1500

1700 Series Roller Pumps



- 1" NPT ports
- 15/16" shaft
- 5-roller pump
- Max 45 GPM
- Max 200 PSI

Note: *Repair kit includes rollers, seals, and O-ring. R = Clockwise rotation.*

PSI	0		50		100		150		200	
RPM	GPM	HP	GPM	HP	GPM	HP	GPM	HP	GPM	HP
350	16.0	.05	10.3	.59	8.2	1.12	7.5	1.65	6.2	2.11
400	18.5	.08	14.2	.71	11.0	1.29	9.5	1.91	8.2	2.40
500	22.8	.12	18.7	.88	16.2	1.63	14.3	2.40	12.7	3.05
540	24.5	.13	20.5	.96	17.7	1.78	16.3	2.57	14.3	3.30
600	27.5	.15	23.0	1.08	19.5	1.95	17.3	2.66	15.7	3.65

Part	Description
AG000218	1700 Cast Iron
AG054841	1700-R Cast Iron
AG000464	1700 Repair Kit
AG005697	Poly Roller - 5 Required
AG000366	Bearing - 2 Required
AG000340	O-ring
AG000372	Viton® Seal - 2 Required

6500 Series Roller Pump



- Max flow: 21.8 GPM
- Max pressure: 300 PSI
- Max speed: 1,200 RPM
- Shaft size: 5/8" solid
- Port size: 3/4"
- Pump shaft rotation CCW (-R pumps have CW rotation)
- 6 super rollers standard
- Seals: Viton® standard

Note: *Repair Kit includes six rollers, two seals, and one O-ring.*

SPEED	0 PSI		50 PSI		100 PSI		150 PSI		200 PSI		250 PSI		300 PSI	
RPM	GPM	HP	GPM	HP	GPM	HP	GPM	HP	GPM	HP	GPM	HP	GPM	HP
300	5.8	.04	3.3	.34	2.6	.46	1.8	.67	1.2	.86				
400	7.6	.06	5.4	.45	4.6	.63	3.5	.89	2.9	1.12	2.0	1.38	1.2	1.65
540	10.2	.09	8.1	.58	7.5	.83	6.7	1.16	6.0	1.45	5.1	1.81	4.1	2.14
600	11.4	.10	9.1	.65	8.6	.90	7.7	1.27	7.2	1.62	6.1	2.09	5.4	2.36
800	15.1	.17	12.9	.86	12.3	1.21	11.3	1.68	10.9	2.14	10.1	2.65	9.4	3.13
1000	18.7	.25	16.4	1.11	15.8	1.54	14.7	2.13	14.2	2.69	13.5	3.33	12.6	3.99
1200	21.9	.39	19.7	1.40	18.9	1.93	18.1	2.69	17.5	3.35	16.8	4.14	16.0	4.93

Part	Description
AG000235	Roller Pump 6500C
AG009374	Roller Pump 6500C-R
AG000236	Roller Pump 6500N
AG051801	Roller Pump 6500XL
AG000499	Repair Kit
AG054103	Nylon Roller
6610653	Bearing - 2 Required
AG000331	O-ring for Endplate
AG000369	Viton® Seal - 2 Required

7700 Series Roller Pump



- Max flow: 22.1 GPM
- Max pressure: 200 PSI
- Max speed: 800 • Port size: 3/4"
- Pump shaft rotation: CCW (-R = CW rotation)
- 7 super rollers standard
- Viton® seals standard

Note: *Repair Kit includes rollers, seals, and O-ring*

PRESSURE	0 Lbs.		50 Lbs.		100 Lbs.		150 Lbs.		200 Lbs.		250 Lbs.		300 Lbs.	
SPEED	GPM	HP	GPM	HP	GPM	HP	GPM	HP	GPM	HP	GPM	HP	GPM	HP
400 RPM	9.5	.15	8.3	.53	7.6	.86	6.7	1.26	6.0	1.62	5.1	2.0	4.3	2.5
540 RPM	12	.33	11.1	.74	10.3	1.25	9.5	1.77	8.6	2.26	7.8	2.78	7.1	3.3
600 RPM	14	.45	13.1	.87	12.1	1.41	11.2	1.98	10.6	2.5	10.0	3.1	9.1	3.7
800 RPM	18.3	.89	17.5	1.26	16.9	1.95	16.1	2.65	15.5	3.4	14.5	4.2	13.7	4.9
1000 RPM	22.5	1.56	22.	1.78	21.3	2.53	20.6	3.5	20.0	4.2	18.9	5.3	18.0	6.1

Part	Description
AG513631	Roller Pump 7700C
AG053516	Roller Pump 7700C-R
AG051800	Roller Pump 7700 XL
AG000460	Repair Kit
AG054103	Nylon Roller
AG000366	Bearing - 2 Required
AG000372	Viton® Seal - 2 Required

7560 Series Roller Pumps



- Max flow: 22.5 GPM
- Max pressure: 300 PSI
- Max speed: 1,000 RPM
- Shaft size: 15/16" solid
- Port size: 3/4"
- Pump shaft rotation: CCW (-R = CW rotation)
- 8 super rollers standard
- Seals: Viton® seals standard

Note: *Repair Kit includes eight super rollers, one O-ring, two Viton® seals.*

PSI	0 PSI		50 PSI		100 PSI		150 PSI		200 PSI	
RPM	GPM	HP	GPM	HP	GPM	HP	GPM	HP	GPM	HP
400	10.8	.11	9.3	.41	8.4	.83	7.7	1.26	6.7	1.69
540	14.2	.23	12.9	.56	11.9	1.10	11.2	1.64	10.3	2.22
600	15.3	.28	14.0	.62	13.0	1.20	12.3	1.80	11.6	2.44
700	19.5	.33	18.0	.73	16.8	1.43	16.0	2.10	15.0	2.85

Part	Description
AG000238	Roller Pump 7560C
ACP0476600	Roller Pump 7560 C-R
AG000239	Roller Pump 7560N
AG009941	Roller Pump 7560N-R
AG052002	Roller Pump 7560XL
AG000454	Repair Kit
AG054103	Nylon Roller
AG000366	Bearing (2 Required)
AG000372	Viton® Seal (2 Required)

Roller Pump PTO Couplers



PENTAIR HYPRO

Part	Description
AG000298	Standard, 5/8" Shaft, 1-3/8" PTO, 540 RPM
AG056228	Standard, 15/16" Shaft, 1-3/8" PTO, 540 RPM
AG000300	Standard, 15/16" Shaft, 1-3/8" PTO, 1,000 RPM
AG056227	Standard, 1" Shaft, 1-3/8" PTO, 540 RPM
AG000303	Quick, 5/8" Shaft, 1-3/8" PTO, 540 RPM
AG000304	Quick, 15/16" Shaft, 1-3/8" PTO, 540 RPM
AG000301	Standard, 5/8" Shaft, 1-3/8" PTO, 1,000 RPM
AG056230	Standard, 15/16" Shaft,1-3/8" PTO, 1,000 RPM
AG000306	Quick, 15/16" Shaft, 1-3/8" PTO, 1,000 RPM

Forged Steel Quick Couplers

PENTAIR HYPRO



It's a snap to get connected with Hypro's forged steel quick couplers. These precision-engineered couplers fit pump shafts of 5/8" and 15/16" diameters. Designed with 6 and 21 splines or multispeed capabilities, they are compatible with 1-3/8" PTOs of 540- and 1,000-RPM speeds. Versatile, durable, and convenient, these heavy-duty couplers will attach your pump quickly and securely.

PTO (I.D.)	Pump End (I.D.)	Material	RPM	Pump Model	Part No.
1-3/8" (6 spline)	15/16"	Forged Steel	540	1500, 1700, 7560, 7700	057563
1-3/8" (21 spline)	15/16"	Forged Steel	1000	1500, 1700, 7560	057564
1-3/8" (6 spline)	5/8"	Forged Steel	540	6500	057565
1-3/8" (21 spline)	5/8"	Forged Steel	1000	4000, 6500	057566
1-3/8" (multi-speed)	15/16"	Forged Steel	540/1000	1500, 1700, 7560	057567
1-3/8" (multi-speed)	5/8"	Forged Steel	540/1000	4000, 6500	057568

Part	Description
AG057563	Coupler
AG057564	Coupler
AG057565	Coupler
AG057566	Coupler
AG057567	Coupler
AG057568	Coupler

5200 Series Big Twin® Piston Pumps

PENTAIR HYPRO



Delivers volume and high pressure needed for efficient spraying or cleaning. Solid-shaft models can be driven with belt and pulley while hollow-shaft model is designed to mount directly on 1-3/8" 540-RPM PTO. Maximum pressure to 400 PSI on both 6- and 10-GPM models. See performance chart for specific pressure, volume, and speed combinations.

- Bearings: Ball type, factory lubricated
- Body: Cast iron
- Valves: Stainless steel, unitized
- Cups: Fabric or leather
- Ports: 3/4" NPT

MODEL 5206

SPEED (Rev. Per Minute)	PRESSURE – In Pounds Per Square Inch 25 GPM	HP	100 GPM	HP	200 GPM	HP	300 GPM	HP	400 GPM	HP
400	3.83	.29	3.81	.37	3.80	.62	3.80	.88	3.68	1.10
500	4.85	.36	4.83	.49	4.82	. 80	4.82	.80	4.65	1.45
540	5.17	.40	5.15	.54	5.14	.84	5.12	1.20	5.00	1.50
600	5.85	.45	5.84	.60	5.83	.90	5.81	1.20	5.80	1.78
800**	7.48	.60	7.47	.75	7.45	1.12	7.44	1.65	—	—

MODEL 5210

SPEED (Rev. Per Minute)	PRESSURE – In Pounds Per Square Inch 25 GPM	HP	100 GPM	HP	200 GPM	HP	300 GPM	HP	400 GPM	HP
400	7.79	.61	7.70	.81	7.58	1.12	7.45	1.60	7.35	2.1
500	9.30	.83	9.22	.95	9.12	1.32	9.00	1.80	8.90	2.32
540	9.92	.95	9.81	1.15	9.69	1.55	9.55	2.02	9.40	2.60
600	10.63	.98	10.55	1.19	10.41	1.59	10.30	2.13	10.18	2.83

5300 Series Small Twin® Piston Pumps

PENTAIR HYPRO



The Hypro 5300 Series twin piston is the ideal unit for many of the cleaning jobs around the house or farm. Weighing only 10 lbs., the pump can still deliver up to 500 PSI for those tough jobs. Cast iron body, stainless steel shaft, heavy-duty ball bearings, and rubber piston cups to handle water, soaps, and detergents are just a few of the quality components that go into this popular seller.

- Bearings: Ball type, factory lubricated
- Valves: Stainless steel, unitized
- Ports: 1/2" NPT
- Body: Cast iron

MODEL	50 PSI GPM	HP	100 PSI GPM	HP	200 PSI GPM	HP	300 PSI GPM	HP	400 PSI GPM	HP	500 PSI GPM	HP
5320	2.28	.26	2.26	.32	2.25	.44	2.22	.56	2.21	.66	2.20	.80
5330	3.28	.37	3.26	.46	3.22	.63	3.17	.79	3.12	.94	3.10	1.10

Part	Description
AG000230	5330C-HRX Piston Pump, 5/8" Hollow Shaft
AG000450	Repair Kit, Leather Cups
AG000452	Repair Kit, Rubber Cups

Shurflo 5000 Series





Shurflo's field-proven 5-GPM pump delivers 5.3 GPM at 0 PSI (free flow) and 3.8 GPM at 40 PSI.

Features & Benefits:

- Field-proven pump head design
- Driven by a 12-volt, continuous-duty, sealed motor
- Max: 5.3 GPM (20.1 LPM)
- Max draw: 17 amps
- Self-priming capabilities, up to 8' (2.4 m)
- Santoprene® diaphragm for chemical resistance and maximum life
- Viton® valves provide maximum chemical resistance
- Built-in pressure switch, set at 60 PSI (4.14 bar), protects the pump in the event of dead-heading
- Available in the same footprint as other Shurflo® pumps, allowing users to upgrade to a higher performance on existing installations
- Available with male 1/2" NPS or female 1/2" NPT ports

Part	Description
AG428684	5000 Series Pump with 1/2" Female NPT Port
AG428685	5000 Series Pump with 1/2" Male NPS* Port

* 1/2"-14 American National Standard Straight Pipe Thread

Shurflo 2088 Series 12V Demand Pump



Pumps up to 3 GPM with only a 5-amp draw. Pump body is glass-filled poly, diaphragm is Santoprene®, and valves are Viton®. 45 PSI max.

Note: *Order hose connectors separately.*

Part	Description
AG516677	2088 Series Pump, 3 GPM
AG715445	2088 Series Pump, 3.6 GPM Fin Cooled
AG721744	2088 Pump, 4 GPM
AG716539	Diaphragm Repair Kit for AG516677
AG051327	Valve Repair Kit for AG516677
AG051362	Housing/Switch Kit for AG516677
AG427131	Shurflo® 90° Swivel Fitting 1/2" (F) x 3/8" Hose
AG427130	Elbow Swivel Fitting 1/2" MSPT-Female X 1/2" Hose Barb
AG427133	Shurflo® Straight Swivel Fitting 1/2" (F) x 3/8" Hose
AG427132	Shurflo® Straight Swivel Fitting 1/2" (F) x 1/2" Hose
AG427343	Filter 1/2" Barb
AG427342	Shurflo® Strainer 255-213

8000 Series 12V Demand Pump



The 8000 Series pump is widely used on all types of spot sprayers. It is fitted with Viton® valves and a Santoprene® diaphragm. Maximum 60 PSI. The 8000 Series is now available with a 115 VAC motor that includes a power cord—just plug it in! Volume is 1.8 GPM, 3/8" (F) ports and 60 PSI demand switch.

Part	Description
AG715319	1.2 GPM All-Viton® Pump, 3/8" Female Port
AG711461	1.8 GPM Standard Pump, 3/8" Female Port
AG719310	1.8 GPM Standard Pump, 1/2" Male Port
AG712426	1.8 GPM Standard Bypass Pump, 3/8" Female Port
AG052171	1.8 GPM Pump, No Control, 3/8" Female Port
AG710873	Valve Repair Kit
AG714420	Check Valve Kit
AG711474	Switch Kit
AG711473	Diaphragm Repair Kit

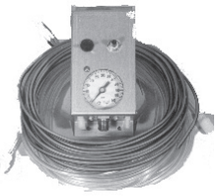
115 VAC Demand Pumps



These Shurflo pumps offer the same reliability as the 12VDC version, except in a 115VAC capacity.

Part	Description
AG710612	2088 Series Pump, 3.2 GPM
AG717040	8000 Series Pump, 1.4 GPM, 60 PSI Switch
AG057951	8000 Series Pump, 1.6 GPM, 100 PSI Switch

Electronic Pump Control 12VDC



Regulates motor speed of Shurflo and FloJet® pumps to achieve a constant liquid output.

Part	Description
AG056952	Pump Control

Shurflo Power Twin Pump



PENTAIR SHURFLO

Take all the performance and features of the time-tested 2088 series, double it and the result is the high-flow Power Twin. Delivers an open flow of 7.0 GPM at a mere 9.8 amps. At 40 PSI, it delivers 4.2 GPM and draws only 19.1 amps. One of the most efficient high-flow self-priming pumps available today, the Power Twin is excellent for transferring, intermittent-duty spraying, and use as a 1:1 proportioning.

Features:

- Up to 7 GPM
- Self priming
- Long-life pressure switch
- Santoprene® diaphragm, Viton® valves
- Thermally-protected motor with heat sink
- Quiet, balanced operation

Part	Description
AG058480	Pump Power Twin 7 GPM
AG427131	Shurflo® 90° Swivel Fitting 1/2" (F) x 3/8" Hose
AG427130	Elbow Swivel Fitting 1/2" MSPT-Female x 1/2" Hose Barb
AG427133	Shurflo® Straight Swivel Fitting 1/2" (F) x 3/8" Hose
AG427132	Shurflo® Straight Swivel Fitting 1/2" (F) x 1/2" Hose
AG427343	Filter 1/2" Barb
AG427342	Shurflo® Strainer 255-213

Mini Line Strainers

PENTAIR SHURFLO



These mini line strainers were developed specifically for use with Shurflo pumps.

Features:

- Direct coupling to pump 1/2" (M) inlet or outlet
- Easy-to-open oversized cap
- Reinforced stainless steel screens
- Screens available in 32, 50, 80, and 100 mesh sizes
- 3/8" hose barb outlet

Part	Description
AG726406	Strainer In-Line 32 Mesh
AG726407	Strainer In-Line 50 Mesh
AG726408	Strainer In-Line 80 Mesh
AG726409	Strainer In-Line 100 Mesh

Roller Pump and 12V Motor

PENTAIR HYPRO



The Hypro 4101N-H roller pump has four rollers and comes with a Ni-Resist housing made of high-nickel-content alloy for better corrosion resistance. The system is ideal for bulk chemical transfer, fertilizer placement, herbicide banding, nitrogen side-dressing, and orchard and cattle spraying.

- Max. flow: 7.2 GPM
- Max. pressure: 50 PSI continuous
- Viton® seals
- Super rollers

Part	Description
AG009204	Hypro® Roller Pump & 12-Volt DC Motor
AG052656	Hypro® Roller Pump & 12-Volt DC Motor - Stainless Steel
AG009457	Motor Only, 12-Volt DC
AG050467	Pump Only, 4101N-H
AG006246	Pump Repair Kit Super Rollers

Oil Change System



PENTAIR SHURFLO

Features:

- Remove dirty oil through dipstick tube
- Comes complete with all necessary hoses and oil storage container
- Liquid temperatures from 40°F to 185°F
- Thermal overload protection
- Built-in reversible switch and 8' cable with battery clips
- Buna impeller

Note: *Great for use with small engines!*

Part	Description
AG717771	Oil Change System

Engine-Driven Centrifugal Pumps

PENTAIR HYPRO



Cast iron pumps have nylon impeller, Viton® seal, and Briggs & Stratton engine.

- 75 GPM at 40 PSI
- Maximum flow rate: 100 GPM
- Maximum pressure: 70 PSI

Notes: *1-1/2" inlet; 1-1/4" outlet. See the Technical Pages for more information on repairs.*

Part	Description
AG053712	Pump, 5-HP Briggs & Stratton

Aqua-Tiger 12-Volt, Motor-Driven, Centrifugal Pump

PENTAIR HYPRO



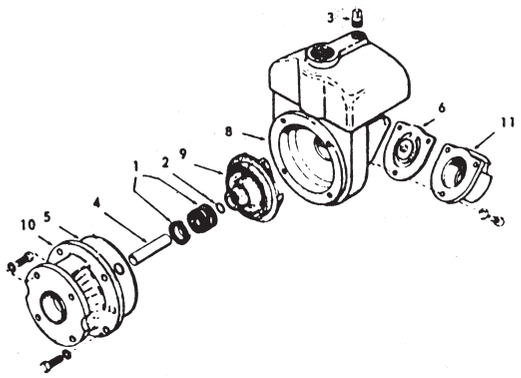
Hypro's economical 9700B Aqua-Tiger centrifugal pump is ideal for agricultural and industrial transfer of a variety of fluids and chemicals. The pump is closed-coupled to a 12-volt DC electric motor. The discharge can be rotated in 90° increments for ease in mounting. The fully-enclosed ball bearing, ignition-protected motor features a stainless steel shaft and permanent magnet design, which has a low amperage draw. Solid bronze construction with stainless steel hardware and a Viton® seal offer excellent corrosion resistance and durability. Stainless steel pump is also available.

The 9700B Aqua-Tiger is perfect for most applications where a flooded intake is provided and low pressures are suitable. Applications include, but are not limited to: general-purpose liquid transfer, coolant circulation, maintenance equipment, and wash-downs.

- Max. flow: 19 GPM
- Max. pressure: 7 PSI
- Ports: 3/4" NPT inlet; 3/4" NPT outlet
- Max. draw: 5.5 amps

Part	Description
AG054213	Pump with 12V Motor, Bronze
ACP0622820	Pump with 12V Motor, Stainless Steel

Scot Self-Priming Pump Repair Parts



Ref	Part	Description
1	AG704568	Seal, Buna, 2" - 3 and 5 HP
1	AG704569	Seal, Viton®, 2" - 3 and 5 HP
1	AG513745	Seal, Viton®, 2" and 3" - 8 and 10 HP
3	AG557307	1/2" Pipe Plug
4	AG703272	Shaft Sleeve, 2" and 3", 8 and 10 HP
5	AG704573	O-ring Casing, 2", 3, 5 and 8 HP
5	AG602787	O-ring Casing - EPDM
8	AG708284	Casing, 2", 3, 5 and 8 HP
8	AG711475	Casing, 3", 10 HP
9	AG704577	Impeller, 2", 3 and 5 HP
9	AG704587	Impeller, 3", 10 HP
10	AG704578	Adapter, 2", 3 and 5 HP

Hydraulic-Driven Banjo Poly Pumps

BANJO Liquid Handling Products



Poly pumps are equipped with 12-HP Gresen motors. Motors are compatible with open- or closed-hydraulic systems that can deliver from 6 to 10 GPM.

Note: *Housing, shaft, and bearing fit both 2" and 3" pumps.*

Part	Description
AG057602	2" Poly Pump
AG057603	3" Poly Pump
AG427311	Hydraulic Pedestal Housing
AG427312	Adapter Shaft
AG427313	Bearing

Cast Iron Wet Seal Pump

BANJO Liquid Handling Products



Note to Dealers: *See Parts Marketing for Kits and Service Parts.*

Part	Description
ACP0403540	3", 13HP, Electric Start & Pull Rope

Scot Sprayer Pumps



Scot sprayer pumps are all-iron construction for rugged performance. They have Viton® seals and stainless steel shaft sleeves. It has most of the high-quality features found on the more expensive engines but is more economical!

Part	Description
AG709043	1-1/2" x 1-1/4" Pump, 5.5-HP Honda
AG715592	Pump Only 2" x 2"

Scot Sprayer Pump Repair Kit

Includes Viton® seal, shaft seal.

Part	Description
AG704641	Repair Kit for 5-HP Pumps
AG709165	Repair Kit for 8-HP Pumps

Hydraulic-Driven Scot Transfer Pump



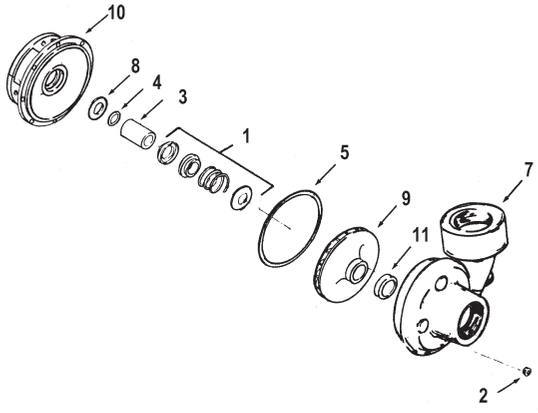
- All-iron construction
- Viton® mechanical seal
- Stainless steel shaft sleeve
- Double-sealed ball bearings
- Hydraulic motor
- Precision gerotor design
- Rugged construction
- Anti-friction bearings
- High-pressure seals

- Scot's 2" Model HYT200SP pump is self priming and rated from 100 to 125 GPM at 30 PSI. The hydraulic motor requires 7 GPM at 1,000 to 1,500 PSI. Cast iron for rugged dependability. Viton® seal, stainless steel shaft sleeve, and sealed ball bearings are all standard quality features.

Note: *See the Technical Pages for more information on repairs.*

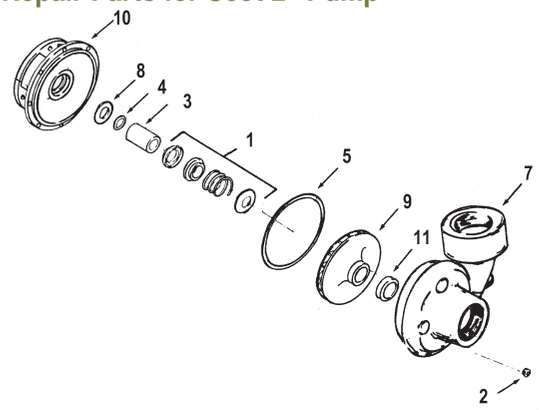
Part	Description
AG707220	Transfer Pump

Repair Parts for Scot 1-1/2" x 1-1/4" Pump



Ref	Part	Description
1	AG704568	Seal, Buna, 2" - 3 and 5 HP
1	AG704569	Seal, Viton®, 2" - 3 and 5 HP
2	AG553441	Drain Plug
3	AG704630	Shaft Sleeve
5	AG602787	O-ring Casing - EPDM
7	AG704633	Case
9	AG704638	Impeller

Repair Parts for Scot 2" Pump



Ref	Part	Description
1	AG513745	Seal, Viton®, 2" and 3" - 8 and 10 HP
2	AG553441	Drain Plug
3	AG703272	Shaft Sleeve, 2" and 3", 8 and 10 HP
5	AG602787	O-ring Casing - EPDM
7	AG704632	Casing
9	AG708943	Impeller

Scot 2" Self-Priming Pump



Here's a pump-and-motor combination that is recommended for general-purpose use. All-iron construction and Viton®-fitted. Motor is 2-HP, 3,450 RPM TEFC.

Note: *See the Technical Pages for more information on repairs.*

Part	Description
AG711505	2" Pump, 1 Phase, 115/230 Volt

Scot Straight Centrifugal Pedestal Pumps



Scot straight centrifugal pedestal-mount pumps offer the versatility to meet a wide variety of applications. May be driven by belt and pulley or direct-coupled using flex couplers. All-iron construction, Viton® seal, and stainless steel shaft sleeve are just some of the features found on this high-quality pump.

- All-iron construction
- Cast iron housing
- Double-sealed ball bearings
- Hardened iron impeller
- Stainless steel shaft sleeve
- Mechanical seal

Note: *See the Technical Pages for more information on repairs.*

Size	Shaft Dia.	HP Req'd. at 3450 RPM		PSI at Various GPM with 1.0 SG Liquid at 3450 RPM				
		1.0 SG	1.4 SG	50	100	200	300	350
2"	7/8"	7-1/2	10	55	50	30	—	—
3"	7/8"	10	15	55	54	49	38	20

Part	Description
AG704614	2" Pump
AG704615	3" Pump

Scot Chemical Transfer Pump



The model LFE 213 has a 1-1/4" inlet and 1" outlet powered by a 3/4-HP, totally-enclosed 115/230-volt single-phase high-speed motor (3,450 RPM). Pump features all-iron construction, Viton® seal and stainless steel shaft. Motor is double-ball-bearing design with type 56J motor frame. Motor totally enclosed for outdoor, dusty, or dirty locations.

May be used for:

• Blending • Mixing • Seed Treating • Liquid Transfer

Notes: *Maximum 40 GPM at open discharge. See the Technical Pages for more information on repairs.*

Part	Description
AG707160	Pump with 3/4-HP Motor
AG706319	Replacement Seal

Flex Couplings



Flex couplers are used to connect pump shaft to motor shaft. The rubber insert provides enough flex to compensate for slight misalignment and serves to absorb vibration.

Part	Description
AG000602	Spider Insert
AG000608	Coupler Half 1/2"
AG000607	Coupler Half 5/8"
AG000606	Coupler Half 3/4"
AG000605	Coupler Half 7/8"
AG000603	Coupler Half 1"
AG000604	Coupler Half 1-1/8"
AG000597	Coupler Half 1-3/8"

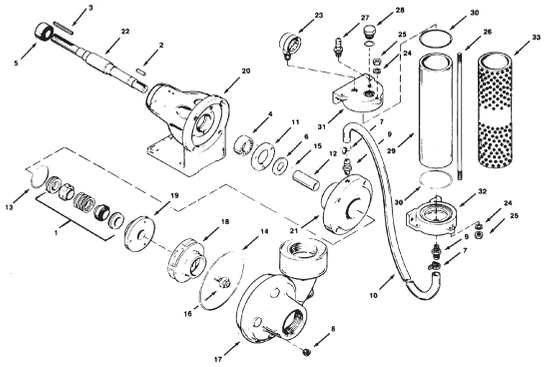
Scot Repair Parts



Order pump parts from below if serial tag of pump is stamped with the number 513730 and/or the pump is stamped with the Roman numerals I or II on the pedestal where it connects to the volute.

Part	Description
AG324587	Electric Clutch, 6" Pulley Diameter
AG700509	Coil Only, Electric Clutch
AG319845	Plate Clutch Mounting
AG703282	Pedestal Frame
AG703286	Backplate
AG706348	Backplate (316 Stainless Steel, Optional)
AG703284	Impeller Iron
AG708403	Impeller (316 Stainless Steel, Optional)
AG704610	Casting Volute, 4" x 3" Hose End
AG703280	Pump Shaft
AG706328	Shaft (316 Stainless Steel, Optional)
AG704640	Impeller Retainer Assembly
AG703227	Flinger - Rubber
AG703315	Retainer Bearing
AG512540	Bearing - Pump Side
AG514757	Bearing - Pulley Side
AG703238	Key Half-Moon
AG703288	Sleeve Shaft - Stainless Steel
AG703226	Key Impeller - Square
AG703287	O-ring Shaft - Viton®
AG562054	Bolt Backplate (2 Required)
AG523646	Seal Shaft Mark II (Standard)
AG602787	O-ring Casing - EPDM
AG707131	O-ring Housing Viton®

Repair Parts Scot PressurSeal Pumps



Ref	Part	Description
1	AG706421	Seal, Viton®
2	AG703226	Key Impeller - Square
4	AG512540	Bearing - Pump Side
5	AG514757	Bearing - Pulley Side
6	AG703227	Flinger, Rubber
8	AG553441	Drain Plug
11	AG703315	Retainer Bearing
12	AG706420	Sleeve
13	AG706425	O-ring, Seal Plate
15	AG703287	O-ring Shaft - Viton®
16	AG704640	Impeller Retainer Assembly
17	AG704636	Case 3" x 3"(F) NPT
17	AG704610	Casting Volute, 4" x 3" Hose End
18	AG706423	Impeller
19	AG707010	Plate Seal
20	AG703282	Pedestal Frame
31	AG707797	Pressure Tube Assembly

Ace GE-Series Pumps



Ace's GE-Series pump provides service where power sources are limited or unavailable, including skid-mount and ATV units. The pumps are ideally suited for liquid-transfer or spray-transfer combinations. Pumps feature cast iron construction, easily replaceable mechanical seal, stainless steel sleeve to protect engine shaft, and slinger ring between pump seal and engine bearings to prevent liquid from entering engine. The pump and engine are fully assembled, ready to install and run.

GE-650/660:
- 1-1/2" suction x 1-1/4" discharge
- Max pressure: 120 PSI
- Max flow: 110 GPM
- 650 mounts to 5/8" UNF threaded engine shaft
- 660 mounts to 3/4" keyed engine shaft

GE-800/860:
- 2" suction x 1-1/2" discharge
- Max pressure: 140 PSI
- Max flow: 140 GPM
- 850 mounts to 1" UNF threaded engine shaft
- 860 mounts to 1" keyed engine shaft

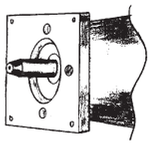
GE-85:
- 1" suction x 3/4" discharge
- Max pressure: 65 PSI
- Max flow: 24 GPM
- Mounts to 3/4" keyed engine shaft

Part	Description
AG429026	GE-660 Pump with 5.5 HP Honda, Keyed Shaft
AG055760	GE-650 Pump Less Engine, Threaded Shaft
AG427229	GE-660 Pump Less Engine, Keyed Shaft
AG429027	GE-860 Pump with 8 HP Honda, Keyed Shaft
AG427230	GE-860 Pump Less Engine, Keyed Shaft
AG427681	GE-85 Pump Less Engine, Keyed Shaft
ACP0560720	GE-85 Pump with Honda Engine

Hyd. Drive Scot Pump—TerraShift

This Scot pump is utilized on the TerraGators with the TerraShift transmission. It is hydraulic driven and has a splined shaft.

Part	Description
AG703282	Pedestal Frame
AG514757	Bearing - Pulley Side
AG512540	Bearing - Pump Side
AG703315	Retainer Bearing
AG703227	Flinger - Rubber
AG703287	O-ring Shaft - Viton®
AG703288	Sleeve Shaft - Stainless Steel
AG703286	Backplate
AG523646	Seal Shaft Mark II (Standard)
AG703284	Impeller Iron
AG602787	O-ring Casing - EPDM
AG704640	Impeller Retainer Assembly
AG714622	Volute Casting
AG513745	Seal, Viton®, 2" and 3" - 8 and 10 HP



Pump/Electric Clutch—Tapered Shaft (6" Pulley Diameter)

Part	Description
AG324587	Electric Clutch, 6" Pulley Diameter
AG700509	Coil Only, Electric Clutch
AG319845	Plate Clutch Mounting
AG512540	Bearing - Pump Side
AG703286	Backplate
AG703284	Impeller Iron
AG602787	O-ring Casing - EPDM
AG513745	Seal, Viton®, 2" and 3" - 8 and 10 HP
AG703226	Key Impeller - Square
AG703227	Flinger - Rubber
AG704640	Impeller Retainer Assembly
AG703238	Key Half-Moon
AG562054	Bolt Backplate (2 Required)

Banjo Engine-Driven Poly Pumps



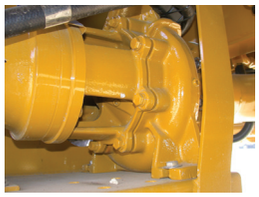
The design of this poly pump sets it apart from the competition. A rear bracket design now features a weep hole so, if seal failure occurs, it can easily be seen and repaired. Seal failure that goes undetected can often lead to premature engine failure.

- V-shaped body for faster priming
- High-performance, precision-molded impellers
- Thumbscrew drain and prime plugs
- Heavy-duty motor shaft slinger

Part	Description
AG000809	1-1/2" with 3 HP Briggs & Stratton 100 GPM
ACP0690430	2" with 6.5 HP Intec Pro
AG008159	2" with 5 HP Honda 160 GPM
ACP0441930	2" with 6.5 HP Honda
AG057723	2" with 5.5 HP Elec. Start Honda 160 GPM
ACP0403490	2" Buna w/5.5HP Elec. Start Honda 160 GPM
AG060322	2" with 6 HP Vanguard 160 GPM
AG057192	3" with 6.5 HP Honda 320 GPM
AG060323	3" with 6 HP Vanguard 320 GPM
AG007487	Pump Only 2"
AG057190	Pump Only 3"
AG008333	Engine 5.5 HP Honda 3/4" Keyed Shaft

*See Note in your order system before placing your order

Replacement Pumps



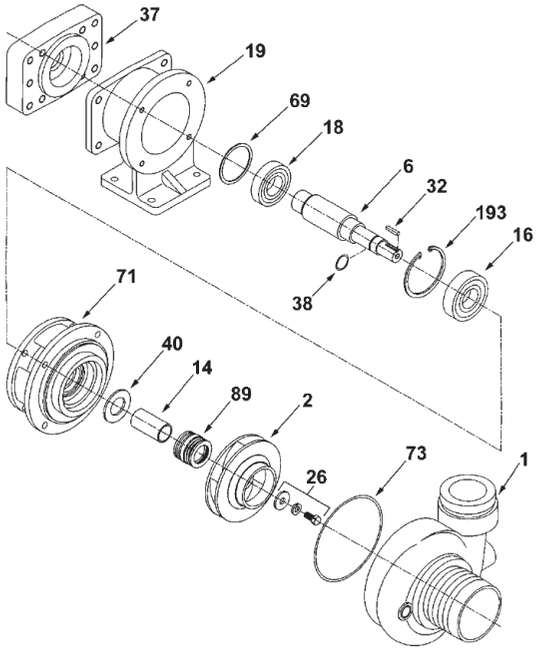
Scot pumps listed below are for replacement on TerraGator and Big A machines.

Notes: ** Pump is less volute and less electric clutch. Includes tapered shaft, FKM seal, and square clutch mounting plate. ** Pumps include 4" x 3" volute and Viton® seal but less electric clutch. Began using AG524576 on 8000 Series TerraGators in 2003 current to at least MY2019. Pumps are all hydraulic motor-driven version, not the electric clutch-and-pulley driven version. *** Pump is less volute. It includes the splined shaft, Mark II seal and volute O-ring. For pump parts on 3500 and 4500 liquid systems, please contact dealer. Please refer to parts books for replacement components for the following pumps:*

Part	Description
AG704618	Pump with Viton® Seal *
AG710581	Short Pump Assembly with Mark II Seal *
AG513926	Pump with Mark II Seal **
AG524576	Pump with Mark II Seal, Hyd. Motor-Driven
AG721528	Short Pump Assembly Less Volute ***
AG522887	5x3 High Volume Centrifugal Pump

Scot Pump AG524576 Repair Parts

The following parts are repair parts related to the AG524576 Scot 4" x 3" hydraulic motor-driven liquid pump. The short pump version does include the volute housing O-ring, AG602787.
N/S = Not shown



Part	Description	
1	AG121072	Cast Iron 4.00 VIC x 3.0
2	AG703284	Impeller Iron
14	AG703288	Sleeve Shaft - Stainless Steel
26	AG704640	Impeller Retainer Assembly
32	AG703226	Key Impeller - Square
38	AG703287	O-ring Shaft - Viton®
40	AG703227	Flinger - Rubber
71	AG722666	Adapter Iron
73	AG602787	O-ring Casing - EPDM
89	AG523646	Seal Shaft Mark II (Standard)
N/S	AG714623	Coupling for VIC Elbow 3"
6	AG721710	Shaft Assembly Internal Splined
16	AG721683	Bearing
18	AG721682	Bearing
69	AG721711	Spring Wave
193	AG721712	Retainer
N/S	AG521139	Coupling for Victaulic Elbow 3"
N/S	AG726237	Gasket/VIC Coupling 3"
N/S	AG524577	Coupling for Victaulic Inlet 4"
N/S	AG726473	Gasket/VIC Coupling 4"
N/S	AG721528	Short Pump Assembly Less Volute

Banjo Poly Pedestal Pumps



Poly pedestal pumps may be direct coupled to a 3,450-RPM high-speed electric motor or driven by belt and pulley. A 3/4" keyed shaft is standard.

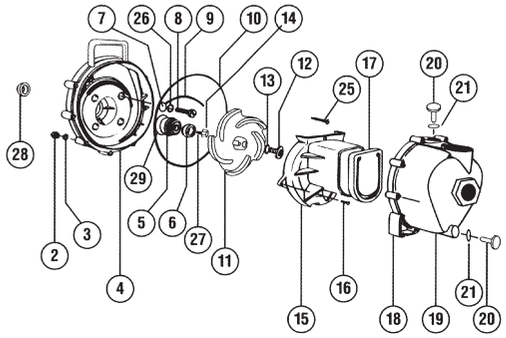
Note: *Coupler not included.*

Part	Description
AG002456	Pump, 2"
AG057191	Pump, 3"

Banjo Poly Pump Repair Parts

Repair parts for pumps made after September 1996. These parts are for 1-1/2", 2", and 3" pumps, unless otherwise noted.

Notes: ** = Repair Kit items. (**) = This part may not be shown in this exploded view drawing. (a) = For 1-1/2" pumps. (b) = For 2" pumps. (c) = For 3" pumps #AG057551 O-ring prime drain plug (2 per pump).*



Ref	Part	Description
3	AG055331	Lock Washer, Stainless Steel
4	AG055323	Rear Bracket, New
5,6**	AG000741	Seal Assembly*
7**	AG000744	Screw Head O-ring, (4 per Pump)*
8	AG055322	Bracket Screw, Stainless Steel (4 per Pump)
10**	AG055321	Body O-ring*
11**	AG055325	3 Vane Poly Pump Impeller, New* (a)
11**	AG055324	5 Vane Poly Pump Impeller, New* (b)
11**	AG057556	4 Vane Poly Pump Impeller, New* (c)
12	AG055326	Impeller Bolt, Stainless Steel (a and b)
12	AG057555	Impeller Bolt, Stainless Steel (c)
14	AG055335	Impeller Hex Nut
15	AG055327	Poly Pump Volute, New (a and b)
15	AG057554	Poly Pump Volute, New (c)
16	AG000748	Volute Screw, Stainless Steel (2 per Pump)
17**	AG000738	Poly Pump Check Valve*
18	AG055329	Poly Pump Body Assembly, New (a)
18	AG055328	Poly Pump Body Assembly, New (b)
18	AG057553	Poly Pump Body Assembly, New (c)
19	AG000974	Body Screws, Stainless Steel (10 per Pump)
20	AG057552	Drain Plug
21**	AG050532	O-ring, Prime/Drain Plug* (2 per Pump) (a and b)
21**	AG057551	O-ring, Prime/Drain Plug #
27	AG055333	Impeller Key
28**	AG055337	Poly Pump Slinger, New*
**	AG055982	Repair Kit, 1-1/2" and 2" with 3.5 HP Engine
**	AG055982	Repair Kit, 1-1/2" and 2" with 5 HP Engine

Banjo Cast Iron Pumps



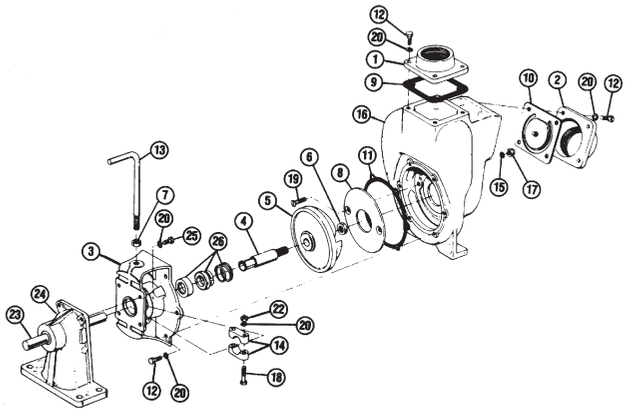
Banjo cast iron centrifugal pumps provide quality you can depend on. Pumps are self priming and are available in a broad range of sizes from 1-1/2" 3-HP to 3" 13-HP. Features such as stainless steel shaft sleeve to protect engine shaft and carbon ceramic seal with stainless steel housing are standard. Rubber parts are made of EPDM for better resistance to agricultural chemicals. The 2" pump (200PIH5) has the 5-HP Honda engine; the 3" pump (300PI11) has 11-HP Honda with electric start. Honda engines boast features like overhead valves; *Oil Alert®, which automatically stops engine if oil drops below a safe level; and ball bearing-supported crankshaft. Convenience features such as dual oil drains and fillers are standard.

Note: *Oil Alert® not available on 11 HP model.*

Part	Description
AG007178	1-1/2" - 3 HP Briggs - 100 GPM
AG007126	2" - 3 HP Briggs - 160 GPM
AG008419	2" - 5 HP Honda - 160 GPM
AG717760	3" - 8 HP Honda Electric Start
AG428346	3" - 13 HP Honda Electric Start
ACP0403500	3" Wet Seal - 13HP Honda Electric Start and Pull Rope
AG007124	2" Less Engine
AG007918	3" Less Engine
AG007177	Pedestal Pump 2" Cast Iron - 3/4" Shaft
AG007919	Pedestal Pump 3" Cast Iron - 1" Shaft
AG057557	Pedestal Assembly for 1-1/2 and 2" - 3/4" Shaft
AG008567	Pedestal Assembly for 3" - 1" Shaft

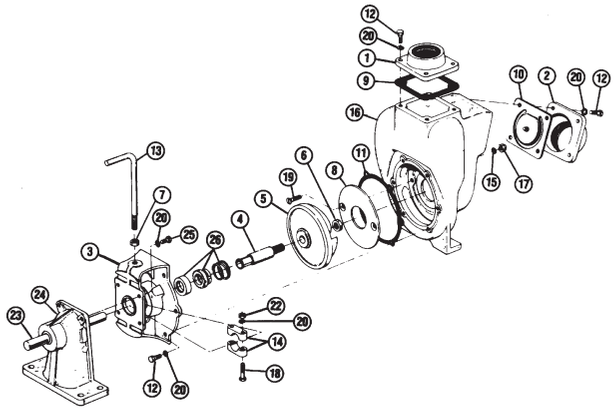
Banjo Cast Iron Pump Repair Parts

Notes: ** = For 1-1/2" and 2" pumps. ** = For 3" pumps. AG553441 is a 1/4" drain plug.*



Ref	Part	Description
1	AG006213	Flange, Outlet 2"*
1**	AG008574	Flange, Outlet**
2	AG005793	Flange, Inlet 20°, 2"*
2**	AG008580	Flange, Inlet**
3	AG006597	Adapter, Gas Engine*
3**	AG008570	Adapter, Gas Engine**
4	AG007127	Sleeve Drive, 5/8"*
4**	AG005614	Sleeve Drive, 3/4"*
4	AG007128	Sleeve Drive, 7/8"*
5	AG005612	Impeller*
5**	AG008572	Impeller**
7**	AG050130	Nut, Hex 1/2-13 UNC**
8	AG005613	Wear Plate*
8**	AG008576	Wear Plate**
9	AG005904	EPDM Gasket*
9**	AG008579	EPDM Gasket**
10	AG006228	Gasket, Check Valve*
10**	AG008581	Gasket, Check Valve**
11	AG005611	Gasket Adapter, 2"
11**	AG008573	Gasket Adapter, 3"
13**	AG050132	Handle, 3"
14	AG007166	Clamp, 5/8", 3/4" Shaft (Old Style)*
14	AG058885	Clamp, 5/8", 3/4" Shaft* (New Style Keyed)
14**	AG058536	Clamp** (New Style Keyed)
16	AG005795	Pump Housing*
16**	AG008575	Pump Housing**
19	AG007117	Flat Head 80°C Screw*
19**	AG009384	Flat Head 82°C Screw**
21**	AG553441	1/4" Pipe Plug
22	AG007115	Hex Nut, 2"
24	AG057557	Pedestal Assembly for 1-1/2 & 2" - 3/4" Shaft
24**	AG008567	Pedestal Assembly for 3" - 1" Shaft
25**	AG050136	Cap Screw, 15/16-24-NF**
26	AG005610	Seal Assembly, Viton®*
26**	AG008571	Seal Assembly, Viton®**

Type 316 Stainless Steel Pump Repair Parts



Ref	Part	Description
1	AG053115	Outlet Flange, 2"
2	AG053114	Inlet Flange, 2"
2	AG053100	Inlet Flange, 3"
5	AG053111	Impeller, 2"
8	AG053110	Wear Plate, 2"
9	AG053107	Gasket, 2"
9	AG053096	Gasket, 3"
10	AG053106	Check Valve, 2"
10	AG053097	Check Valve, 3"
11	AG005611	Gasket Adapter, 2"
11	AG008573	Gasket Adapter, 3"
13	AG050132	Handle, 3"
14	AG007166	Clamp, 5/8", 3/4" Shaft (Old Style)*
14	AG058885	Clamp, 5/8", 3/4" Shaft* (New Style Keyed)
14	AG058536	Clamp** (New Style Keyed)
16	AG053109	Housing, 2"
22	AG007115	Hex Nut, 2"
22	AG057557	Pedestal Assm. for 1-1/2 & 2" - 3/4" Shaft
24	AG008567	Pedestal Assm. for 3" - 1" Shaft
26	AG053108	Seal, 2"
26	AG053099	Seal, 3"

Banjo 222 Series



Banjo's 222 series cast iron pumps have more horsepower to deliver flows up to 225 GPM. They are well suited for agricultural pumps, contractor pumps, and emergency uses (fires and floods). The 6.5 HP Intek Pro Series motor features oil guard oil sensor, cast iron cylinder sleeve, high-efficiency OHV design, and a super-low-tone muffler.

Pump Features:

- Durable cast iron construction
- Replaceable inlet and outlet flanges
- Carbon ceramic seal with stainless steel cup and spring

Note: *Pump only requires 3/4" straight keyed shaft engine.*

Part	Description
AG725943	Pump 2" Cast Iron with 6.5 HP Intek
AG058539	Pump 2" Cast Iron with 5.5 HP Honda
AG726068	Pump 2" Cast Iron with 5.5 HP Honda E/Start
AG060206	Pump 2" Cast Iron with 6.5 HP Honda
AG726069	Pump 2" Cast Iron with 6 HP Vanguard
AG726062	Pump Only 2" Cast Iron

Banjo 333 Series



Banjo's 333 Series pump will deliver flow rates up to 515 GPM.

Pump Features:

- Durable cast iron construction
- Dynamically balanced impeller
- Replaceable inlet and outlet flanges
- Graphite-loaded silicon carbide seal with stainless steel cup and spring

Part	Description
AG426504	Pump 3" with 13 HP Honda

Wet Seal Self-Priming Pumps



Banjo wet seal pumps are equipped with a double-seal arrangement where the seal is contained in an ethylene glycol (antifreeze) reservoir. This enables the pump to run dry for short time periods without damaging the seal.

- Viton® double seal in ethylene glycol reservoir
- Sight tube indicator
- Dynamic balanced impeller
- All stainless steel hardware

Note: *See the Technical Pages for more information on repairs.*

Part	Description
AG055464	3" Cast Iron Pump, 11-HP Honda

Pentair® Hypro™ Transfer Pumps



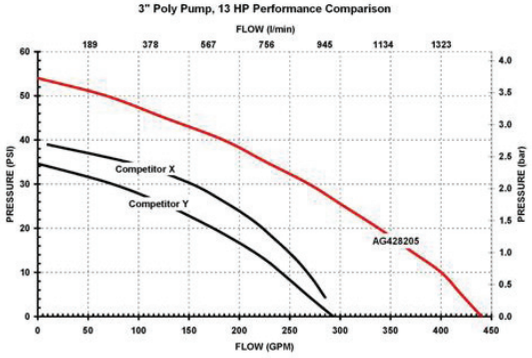




Hypro self-priming centrifugal pumps handle big, high-capacity, liquid transfer jobs with ease. The line of pumps offers flow rates from 150 GPM to 440 GPM to make short work of jobs such as filling nurse tanks, watering seedbeds, and transferring liquids. The durable and powerful line includes polypropylene, aluminum, and cast iron models. Use them for transferring water, liquid fertilizers, and other chemicals compatible with pump materials. Polypropylene is a lightweight option that provides excellent resistance to corrosive chemicals. Aluminum is an economical choice for water transfer. Cast iron is most suitable for rugged applications.

Notes: *PowerPro engines feature overhead valves (OHV) and low-oil sensor. 13-HP engine has electric start.*

Part	Description
AG428205	Pump 3" Poly, 13 HP Electric Start - 440 GPM
AG427196	Pump 2" Poly, 5 Vane Impeller, 6.5 HP, 200 GPM
AG427197	Pump 2" Cast, 6.5 HP, 170 GPM
AG427199	Pump 3" Cast, 13 HP Elec Start, 330 GPM
AG428591	Pump 3" Aluminum, 6.5 HP, 259 GPM
AG428892	Trash Pump 3" Aluminum, 6.5 HP, 272 GPM



Hypro Honda Gas Engine Transfer Pumps



AGCO parts now offers Hypro polypropylene and cast iron transfer pumps with Honda gas engines.

Features & Benefits:

- World-renowned high-quality Honda engines with the durable and dependable Hypro® transfer pumps
- Competitive pricing
- Can be sold year round and not just in the spraying season
- Polypropylene pumps provide the best chemical resistance
- Cast iron pumps are durable and dependable

Pump Specs:

AG428689—170 Max GPM, 42 Max PSI, 2" x 2" Ports
AG428690—330 Max GPM, 66 Max PSI, 3" x 3" Ports
AG428686—180 Max GPM, 58 Max PSI, 2" x 2" Ports

Part	Description
AG428689	2" Cast Iron with Honda GX160 (4.8 HP)
AG428690	3" Cast Iron with Honda GX390 (11.7 HP) and Electric Start
AG428686	2" Poly with Honda GX160 (4.8 HP)

Fill-Rite Series 400



The Fill-Rite Series 400 diaphragm pump transfers all types of materials—from clear, thin flowables to thick-viscosity encapsulated products and suspensions in all types of weather. This pump is powered by a 12VDC 1/4-HP motor that draws just 16 amps under normal operating conditions.

Note: *DO NOT use for fluids with low flash points.*

Part	Description
AG716619	12V Motor and Pump Only
AG716618	12V Motor Only

Chemtraveler™



Make chemical handling easy with the Chemtraveler. The Model 435 12V pump is mounted on a rugged tubular frame. Kit includes 825 digital meter, 20' battery cables, 1" x 9' suction hose, 1" x 14' discharge hose, and ball valve nozzle. Weight: 50 lbs.

Part	Description
AG713211	Chemtraveler, 12VDC

HP-55 Drum Pump



The HP-55 Drum Pump is designed to efficiently deliver high volumes of harsh and viscous chemicals at low pressures. Fits 30- and 55-gallon containers.

Features:

- Efficient, patented double pumping action ensures product delivery on both up and down strokes
- No-friction design eliminates wear and prevents jamming
- Outlet spout swivels to prevent drips
- Outlet spout accepts extender hose
- 50 mm (2") buttress adapter
- 50 mm (2") NPT adapter
- Anti-pumping safety device
- Wetted materials
- Food-grade polypropylene
- Polyethylene

Part	Description
AG426653	HP-55 Drum Pump

Fill-Rite 825 Meter



- Quick, one-step calibration
- 360° positionable display
- Can display ounces, pints, quarts, liters, or gallons
- Corrosion-resistant polypropylene body
- Requires two AA batteries, included
- 120 PSI max. at 70°F, 75 PSI at 130°F
- 1" (F) NPT ports
- 2 to 20 GPM
- Temperature range: -10°F to 130°F

Part	Description
AG719149	825 Meter

Pacer Hand Pump



Heavy-duty, double-acting piston-pump for use with herbicides, pesticides, and fumigants. Pump features cork/nitrile gasket, Viton® O-rings, and Viton® vacuum breaker. Also included is 8 feet of EPDM-lined hose with nozzle and two-piece poly suction tube with standard 2" NPT bung adapter. Pump will discharge one quart per full cycle.

- Two-position pump handle
- Double-acting piston
- Tamper proof
- 15' suction lift
- Barrel bung adapter
- Teflon® piston ring

Part	Description
AG005465	Hand Pump

GPI 12V Herbicide Pump Model P-200H



The P-200H is the replacement for the former Model M-200H. It is lightweight and highly resistant to corrosion due to its glass-filled polypropylene housing. It still has the high-torque gear reduction motor so it will handle those liquids with high viscosity. Unit is rated at 8 GPM, but delivery will vary based on viscosity and temperature. 12-volt motor draws from 15 to 25 amps under normal conditions. Maximum operating pressure is 10 PSI and pump has a 30-minute duty cycle with non-viscous fluid.

Herbicide Accessories

Part	Description
AG050313	5-Gallon Calibration Container

Gas Engines





Small engines from Honda and Briggs & Stratton. All have horizontal shafts in either the keyed or threaded shaft configuration.

Part	Description
AG008333	Engine 5.5 HP Honda 3/4" Keyed Shaft
AG710532	Engine 8 HP Honda Keyed Shaft 1" Dia.
AG710531	Engine 8 HP Honda Threaded Shaft 1" Dia.


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WITH AGCO REMAN PARTS
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• Six Month Labor Warranty*
• Tested to Verify it Meets OE Specifications
* Labor warranty applicable if part is installed by dealer.
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New

Make tip selection even easier this year for your PWM spray system. Be on the lookout for the PWM logo signifying tip manufacturer confirmed compatibility with PWM spray systems.

Spray Tips Table of Contents

Selecting the right spray tip is an overwhelming task. Droplet size, spray angle, spray pattern, boom height, nozzle spacing, machine speed, wind speed, weather forecast, line pressure, application rate, mix ratio, thermal inversions. So many factors to manage to get one single drop where it needs to be.

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Broadcast Application Guidelines*

GREENLEAF TECHNOLOGIES

*For Banding Applications use the TurboDrop® Venturi with an even spray or Greenleaf's Quick Hollow Cone Spray Nozzle, or AMHC AirMix® Hollowcone.

	Herbicides				Fungicides		Insecticides		Liquid Fertilizer		Growth Regulators	Dessicants/ Defoliants
	Soil Incorporated	Pre-Emerge	Post-Emerge Contact	Post-Emerge Systemic	Contact	Systemic	Contact	Systemic	Foliar	Soil Incorporated		
High Pressure TurboDrop® 	Excellent Extremely Coarse Very Coarse Coarse	Excellent Very Coarse Coarse	Excellent Higher Pressures (80-150 psi) Medium	Excellent Coarse	Excellent Higher Pressures (80-150 psi) Medium Fine	Excellent Coarse Medium	Excellent Higher Pressures (80-150 psi) Medium Fine	Excellent Coarse Medium	Excellent Lower Pressures (30-45 psi) Extremely Coarse Very Coarse	Excellent Extremely Coarse Very Coarse	Excellent	Excellent Higher Pressures (80-150 psi)
Medium Pressure XL 	Excellent Extremely Coarse Very Coarse Coarse	Excellent Very Coarse Coarse	Excellent Medium Pressures (60-120 psi) Medium	Excellent Coarse	Excellent Medium Pressures (60-120 psi) Medium Fine	Excellent Coarse Medium	Excellent Medium Pressures (60-120 psi) Medium Fine	Excellent Coarse Medium	Excellent Lower Pressures (15-30 psi) Extremely Coarse Very Coarse	Excellent Extremely Coarse Very Coarse	Excellent	Excellent Medium Pressures (60-120 psi)
Low Pressure AM 	Excellent Extremely Coarse Very Coarse Coarse	Excellent Very Coarse Coarse	Excellent (40-90 psi) Medium	Excellent Coarse	Excellent (40-90 psi) Medium Fine	Excellent Coarse Medium	Excellent (40-90 psi) Medium Fine	Excellent Coarse Medium	Good (15-30 psi) Extremely Coarse Very Coarse	Excellent Extremely Coarse Very Coarse	Excellent	Excellent (40-90 psi)
SprayMax™ 	Excellent Extremely Coarse Very Coarse Coarse	Excellent Very Coarse Coarse	Good Medium Fine	Excellent Coarse Medium	Excellent Fine	Good Medium	Excellent Fine	Good Medium	Good (15-20 psi) Extremely Coarse Very Coarse	Excellent Extremely Coarse Very Coarse	Excellent	Good (20-40 psi)

Operating Pressure The suggested ***optimal pressure range*** has been found to provide the best combination of drift control and coverage. When conditions favor drift, reduced pressure is suggested while staying within the pressure range. Targeting 60 psi with the TurboDrop® XL and 40 psi with the AirMix® AM when selecting nozzle size will allow for greater changes in speed and pressure while operating within the optimal pressure range. Higher pressures are recommended for spraying contact pesticides and for penetrating dense crop canopies.

Venturi/Tip Combinations A wide variety of exit tips may be used with the TurboDrop® Venturi to produce different spray patterns. The pattern tip must be double the size of the Venturi, which controls the flow rate. For example, an 03 Venturi (TDXLV03) can be used with most 06 rated (0.6 gpm @ 40 psi) pattern tips, including twin spray, off center, even flat fan, flood, hollowcone, etc. Using conventional tips with the TurboDrop® Venturi will dramatically reduce drift and extend the pressure range. Using pattern tips with an angle less than 110° or in a size larger than double the size of the Venturi may require the use of a DIF4 diffuser and a Greenleaf cap. Some combinations may require higher minimum operating pressures.

	AM	AMHC	AMOC	TDXL/TADF	TDCFFC
Total Pressure Range:	15-90psi	15-90psi	15-90psi	20-120psi	30-150psi
Optimal Pressure Range:	**20-60psi**	**40-90psi**	**20-60psi**	**30-90psi**	**40-120psi**
Contact Chemicals:	40-90psi	40-90psi	40-90psi	60-120psi	80-150psi

Boom Height Minimum boom height should be equal to nozzle spacing. For example, if nozzle spacing is 20", minimum boom height should be 20". At lower pressures, the spray angle of the exit tip may narrow by 10-15%. Necessary adjustments to boom height should be made to obtain minimum 50% overlap.

Never use FirstPick™ (or any other strong acid) with standard TurboDrop® or AirMix® nozzles. Acid-resistant polypropylene AirMix® AMCQ nozzles are recommended for acid applications. Drift control adjuvants may alter the spray pattern of drift control nozzles. Always test any adjuvant that you plan to use.

To find your nearest dealer or to order, go to parts.agcocorp.com

PENTAIR HYPRO

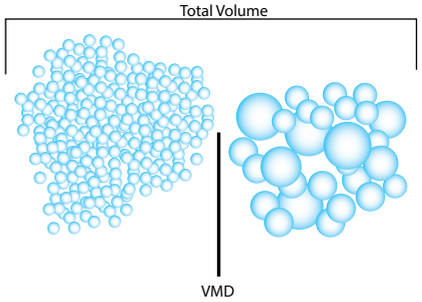
Selecting the Right Hypro Pentair Hypro Spray Nozzle

The following chart has been designed to simplify selection of the correct spray nozzle type for the agrochemical to be applied. It is based on having good conditions for spraying and should be used in conjunction with the agrochemical manufacturer's label. Increased carrier rates may allow for coarser sprays to reduce risk of drift. Always follow the agrochemical label exactly.

Section	Code	Spray Nozzle	Common Use	Pattern	Technology	Orifice Material	Nominal Spray Angle	Pressure Range		ASABE Droplet Classification							
								PSI	BAR	XF	VF	F	M	C	VC	XC	UC
Broadcast	ULD	Ultra Lo-Drift	Weeds	Tapered Flat Fan	Air Induction	Polyacetal	120°	20-115	1-8								
	3D	3D Nozzle	General	Tapered Flat Fan	Eliptical Orifice	Polyacetal	100°	10-90	0.7-6								
	GAT	GuardianAIR Twin	Plant Health	Tapered Flat Fan	Air Induction	Polyacetal	110°	30-115	2-8								
	ATW	Air Injected Twin Fan	Plant Health	Tapered Flat Fan	Air Induction	Ceramic	110°	40-100	3-7								
	GA	GuardianAIR	Plant Health	Tapered Flat Fan	Air Induction	Polyacetal	110°	20-115	1-8								
	AVI	Air Injected Anti-Drift	Weeds	Tapered Flat Fan	Air Induction	Ceramic	80°, 110°	30-100	2-7								
	GRD	Guardian	Plant Health	Tapered Flat Fan	Pre-Orifice	Polyacetal	120°	20-115	1-8								
	LD	Lo-Drift	Plant Health	Tapered Flat Fan	Pre-Orifice	Polyacetal	80°, 110°	20-70	1-5								
	ADI	Drift Reduction	Plant Health	Tapered Flat Fan	Air Induction	Ceramic	110°	30-70	2-5								
	VP	Variable Pressure	General	Tapered Flat Fan	Elliptical Orifice	Polyacetal	80°, 110°	20-70	1-5								
	AXI	Wide Range Fan	General	Tapered Flat Fan	Elliptical Orifice	Ceramic	80°, 110°	20-70	1-5								
	F	FanTip	General	Tapered Flat Fan	Elliptical Orifice	Polyacetal	80°, 110°	30-60	2-4								
Wide	HF	Hi-Flow	Fertilizer	Tapered Flat Fan	Pre-Orifice	Polyacetal	140°	20-80	1.5-6								
	DT	DeflecTip	Weeds & Fertilizer	Flood	Deflection	Polyacetal	80°-160°	10-60	1-4								
Stream	ESI	Six Stream	Fertilizer	Streams	Pre-Orifice	Ceramic or Polyacetal	110° Equivalent	15-60	1-4							S	
	DC	Flow Regulating Disc	Fertilizer	Stream	Round Orifice	Polyacetal	0°	10-150	1-10							S	
	AMT	Flow Regulating Disc	Fertilizer	Stream	Round Orifice	Ceramic	0°	10-725	1-50							S	
Banding & Directed	DC/CR	SwirlTip Disc/Core	Plant Health	Hollow Cone	Swirl	Polyacetal	25°-110°	10-150	1-10								
	DCC/CRC	Disc and Core	Plant Health	Hollow Cone	Swirl	Ceramic	13°-93°	10-300	1-20								
	HCX	HollowTip Hollow Cone	Plant Health	Hollow Cone	Swirl	Polyacetal	80°	40-150	3-10								
	ATR	Hollow Cone	Plant Health	Hollow Cone	Swirl	Ceramic	80°	40-350	3-24								
	TVI	Hollow Cone	Plant Health	Hollow Cone	Air Induction	Ceramic	80°	70-360	5-25								
	AVI	Air Injected Anti-Drift	Plant Health	Tapered Flat Fan	Air Induction	Ceramic	80°	40-350	3-24								
	AXI	Wide Range Fan	Plant Health	Tapered Flat Fan	Elliptical Orifice	Ceramic	80°	40-350	3-24								
	DCC/CRC	Disc and Core	Plant Health	Full Cone	Swirl	Ceramic	14°-71°	10-300	1-20								
	FCX	Full Cone	Plant Health	Full Cone	Swirl	Polyacetal	80°	15-150	1-10								
	E	FanTip Even Flat	Weeds	Even Flat Fan	Elliptical Orifice	Polyacetal	80°	30-60	2-4								
	OC	Off-Center Flat	Unspecialized	Off-Center Fan	Elliptical Orifice	Brass	80°	30-60	2-4								
	OCI	Off-Center Ceramic	Unspecialized	Off-Center Fan	Elliptical Orifice	Ceramic	80°	30-60	2-4								
	AVI-OC	Air Injected Off-Center	Weeds	Off-Center Fan	Air Induction	Ceramic	80°	40-100	3-7								
Special	XT	Boom X Tender	Weeds	Boomless Fan	Pre-Orifice	Stainless or Polyacetal	105°	30-60	2-5								
	TUR	Sudden Impact	Car Wash	0° Rotation	Turbo	Stainless or Brass	24° or 30°	800-3000	55-207								
	HP	High Pressure	Car Wash	Flat Fan	High Pressure	Hardened Stainless Steel	0°, 5°, 15°, 25°, 40°	300-4000	21-276								
	FP	FulcoJet	Car Wash	Full Cone	Swirl	PVDF	45°-80°	10-150	.7-10								
	CM	FanJet	Car Wash	Flat Fan	Eliptical Orfice	PVDF	0°-110°	30-500	2-35								
	MISTING	F, HAF, PF, AFD, AF	Cooling & Humidification	Fan or Hollow Cone	Elliptical Orifice or Swirl	Polyacetal	65°-110°	40-150	3-10								
	E	Even	Knapsack	Even Flat Fan	Elliptical Orifice	Polyacetal	80°	15-45	1-3								
	DT/AN	Deflect Nozzle/PoliJet	Knapsack	Flood	Deflection	Polyacetal	53.-127°	15-45	1-3								

These nozzles produce streams to minimize atomization

UNDERSTANDING DROPLET VMD



VMD is the droplet size at which 50% of the spray volume is in droplets larger than the VMD and 50% of the volume is in droplets smaller than the VMD (adapted from Matthews 1992).

UNDERSTANDING MICRON SIZE

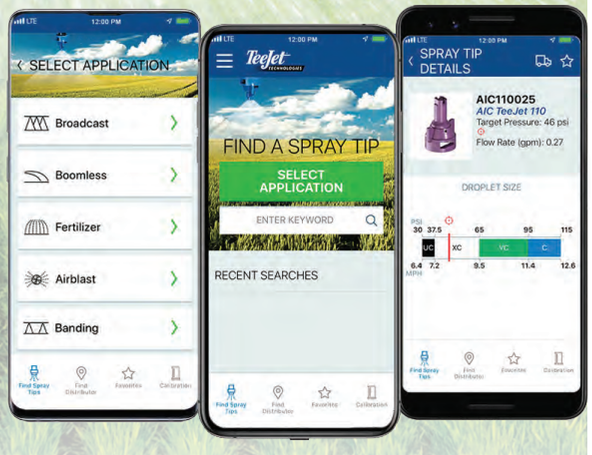
Degree of Atomization	Droplet Size (Microns)	Relative Size Related to Common Objects
Fog	Up to 25	Point of a Needle (25 Microns)
Fine Mist	20-100	Human Hair (100 Microns)
Fine Drizzle	100-250	Sewing Thread (150 Microns)
Heavy Drizzle	250-500	Toothbrush Bristle (300 Microns)
Light Rain	500-800	Staple (550 Microns)
Heavy Rain	800-1000	Paper Clip (850 Microns)
Thunderstorm Rain	1000-4000	#2 Pencil Lead (2000 Microns)

- Droplet sizes are usually expressed in microns (micrometers).
- One micron equals one thousandth of a millimeter.
- Lower spraying pressures provide larger droplet sizes, while higher spraying pressures yield smaller droplet sizes.
- The smallest droplet sizes are achieved by air atomizing nozzles.
- Generally speaking, the largest spray droplets are produced by wide-angle, flat hydraulic spray nozzles.

SPRAYSELECT
TIP SELECTION APP

SPRAY SOLUTIONS AT A TOUCH OF A BUTTON

SpraySelect allows you to quickly and easily choose the proper tip for your application. Just enter spacing, speed, and your target rate, select your droplet size category, and a list of top recommendations is provided.





APP FEATURES

- Find Spray Tips
  - Tip Spacing
  - Speed
  - Application Rate
  - Select Droplet Size
- Select Application
- Save Favorites
- Find Distributors Nearby
- Spray Tip Calibration

TeeJet® Broadcast Nozzle Selection Guide

SPRAY TIPS & DROPLET SIZE* (XF VF F M C VC XC UC)	HERBICIDES			FUNGICIDES		INSECTICIDES	
		POST-EMERGENCE					
	SOIL APPLIED	CONTACT	SYSTEMIC	CONTACT	SYSTEMIC	CONTACT	SYSTEMIC
 **AccuPulse® TwinJet®** *APTJ*	EXCELLENT		EXCELLENT				
 **Turbo TeeJet®** *TT*		EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD
 **AIXR TeeJet®** *AIXR*	VERY GOOD	EXCELLENT	VERY GOOD	GOOD	VERY GOOD	VERY GOOD	EXCELLENT
 **Air Induction TeeJet®** *AI & AIC*	VERY GOOD		EXCELLENT		GOOD		VERY GOOD
 **Turbo TeeJet® Induction** *TTI*	EXCELLENT		EXCELLENT				
 **TTI TwinJet®** *TTI60*	EXCELLENT		EXCELLENT				
 **XR, XRC TeeJet®** *XR & XRC*		VERY GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD
 **Turbo TwinJet®** *TTJ60*	GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD
 **AI Turbo TwinJet®** *AITTJ60*	VERY GOOD	VERY GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT
 **AI3070®** *AI3070*				EXCELLENT	VERY GOOD		
 **StreamJet®** *SJ3 & SJ3-VR*							
 **StreamJet®** *SJ7A & SJ7A-VR*							
 **StreamJet®** *PTC-VR & QJ-VR*							
 **StreamJet®** *SOLID STREAM*							

Note: Consult the chemical manufacturer's product label for specific rate and application recommendations. Droplet size categories shown are based on ISO 25358.
*(XF) Extremely Fine, (VF) Very Fine, (F) Fine, (M) Medium, (C) Coarse, (VC) Very Coarse, (XC) Extremely Coarse, (UC) Ultra Coarse

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20" TIP SPACING RATE CHART

DROPLET SIZE DATA BASED ON ISO 25358 STANDARD

LI-TJ378-R2
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	PSI	110°XR/XRC 15-60 PSI	TT 15-90 PSI	TTJ60 20-90 PSI	AIXR 15-90 PSI	AI3070 20-90 PSI	AITTJ60 20-90 PSI	110°AI/AIC 30-115 PSI	TTI60 20-100 PSI	TTI 15-100 PSI	GPM	GPA 20" 4 mph	5 mph	6 mph	7 mph	8 mph	9 mph	10 mph	12 mph	14 mph	16 mph	18 mph	20 mph
015 AI - AIC - AIXR AI3070 - TT TTI - XR - XRC (100)	20	F	VC	—	VC	XC	—	—	—	UC	0.11	8.2	6.5	5.4	4.7	4.1	3.6	3.3	2.7	2.3	2.0	1.8	1.6
	30	F	C	—	C	VC	—	XC	—	UC	0.13	9.7	7.7	6.4	5.5	4.8	4.3	3.9	3.2	2.8	2.4	2.1	1.9
	40	F	M	—	C	VC	—	XC	—	XC	0.15	11.1	8.9	7.4	6.4	5.6	5.0	4.5	3.7	3.2	2.8	2.5	2.2
	50	F	M	—	M	C	—	VC	—	XC	0.17	12.6	10.1	8.4	7.2	6.3	5.6	5.0	4.2	3.6	3.2	2.8	2.5
	60	F	M	—	M	C	—	VC	—	XC	0.18	13.4	10.7	8.9	7.6	6.7	5.9	5.3	4.5	3.8	3.3	3.0	2.7
	70	—	M	—	M	M	—	VC	—	VC	0.20	14.9	11.9	9.9	8.5	7.4	6.6	5.9	5.0	4.2	3.7	3.3	3.0
	80	—	F	—	M	M	—	C	—	VC	0.21	15.6	12.5	10.4	8.9	7.8	6.9	6.2	5.2	4.5	3.9	3.5	3.1
	90	—	F	—	M	M	—	C	—	VC	0.23	17.1	13.7	11.4	9.8	8.5	7.6	6.8	5.7	4.9	4.3	3.8	3.4
02 AI - AIC - AIXR TT- TTI - TTI60 XR - XRC (50) AI3070 - AITTJ60 TTJ60 (100)	20	M	VC	C	VC	XC	XC	—	UC	UC	0.14	10.4	8.3	6.9	5.9	5.2	4.6	4.2	3.5	3.0	2.6	2.3	2.1
	30	F	C	C	VC	VC	VC	XC	XC	UC	0.17	12.6	10.1	8.4	7.2	6.3	5.6	5.0	4.2	3.6	3.2	2.8	2.5
	40	F	M	M	C	VC	VC	XC	XC	XC	0.20	14.9	11.9	9.9	8.5	7.4	6.6	5.9	5.0	4.2	3.7	3.3	3.0
	50	F	M	M	M	C	C	VC	VC	XC	0.22	16.3	13.1	10.9	9.3	8.2	7.3	6.5	5.4	4.7	4.1	3.6	3.3
	60	F	M	M	M	C	C	VC	VC	XC	0.24	17.8	14.3	11.9	10.2	8.9	7.9	7.1	5.9	5.1	4.5	4.0	3.6
	70	—	M	M	M	M	C	VC	VC	VC	0.26	19.3	15.4	12.9	11.0	9.7	8.6	7.7	6.4	5.5	4.8	4.3	3.9
	80	—	F	M	M	M	C	C	C	VC	0.28	21	16.6	13.9	11.9	10.4	9.2	8.3	6.9	5.9	5.2	4.6	4.2
	90	—	F	M	M	M	M	C	C	VC	0.30	22	17.8	14.9	12.7	11.1	9.9	8.9	7.4	6.4	5.6	5.0	4.5
025 AI - AIC - AIXR TT - TTI - TTI60 XR - XRC (50) AI3070 - AITTJ60 TTJ60 (100)	20	M	VC	VC	VC	XC	XC	—	UC	UC	0.18	13.4	10.7	8.9	7.6	6.7	5.9	5.3	4.5	3.8	3.3	3.0	2.7
	30	M	C	C	VC	VC	VC	XC	XC	UC	0.22	16.3	13.1	10.9	9.3	8.2	7.3	6.5	5.4	4.7	4.1	3.6	3.3
	40	F	M	M	C	VC	VC	XC	XC	XC	0.25	18.6	14.9	12.4	10.6	9.3	8.3	7.4	6.2	5.3	4.6	4.1	3.7
	50	F	M	M	M	C	VC	VC	VC	XC	0.28	21	16.6	13.9	11.9	10.4	9.2	8.3	6.9	5.9	5.2	4.6	4.2
	60	F	M	M	M	C	C	VC	VC	XC	0.31	23	18.4	15.3	13.2	11.5	10.2	9.2	7.7	6.6	5.8	5.1	4.6
	70	—	M	M	M	C	C	VC	VC	VC	0.33	25	19.6	16.3	14.0	12.3	10.9	9.8	8.2	7.0	6.1	5.4	4.9
	80	—	F	M	M	M	C	C	C	VC	0.35	26	21	17.3	14.9	13.0	11.6	10.4	8.7	7.4	6.5	5.8	5.2
	90	—	F	M	M	M	C	C	C	VC	0.38	28	23	18.8	16.1	14.1	12.5	11.3	9.4	8.1	7.1	6.3	5.6
03 AI - AIC - AIXR AITTJ60 - AI3070 TT- TTI - TTI60 XR - XRC (50) TTJ60 (100)	20	M	VC	VC	VC	XC	XC	—	UC	UC	0.21	15.6	12.5	10.4	8.9	7.8	6.9	6.2	5.2	4.5	3.9	3.5	3.1
	30	M	C	C	VC	VC	XC	XC	XC	UC	0.26	19.3	15.4	12.9	11.0	9.7	8.6	7.7	6.4	5.5	4.8	4.3	3.9
	40	F	M	C	C	VC	VC	XC	XC	XC	0.30	22	17.8	14.9	12.7	11.1	9.9	8.9	7.4	6.4	5.6	5.0	4.5
	50	F	M	M	C	VC	VC	VC	XC	XC	0.34	25	20	16.8	14.4	12.6	11.2	10.1	8.4	7.2	6.3	5.6	5.0
	60	F	M	M	M	C	C	VC	XC	XC	0.37	27	22	18.3	15.7	13.7	12.2	11.0	9.2	7.8	6.9	6.1	5.5
	70	—	M	M	M	C	C	VC	VC	VC	0.40	30	24	19.8	17.0	14.9	13.2	11.9	9.9	8.5	7.4	6.6	5.9
	80	—	F	M	M	C	C	C	VC	VC	0.42	31	25	21	17.8	15.6	13.9	12.5	10.4	8.9	7.8	6.9	6.2
	90	—	F	M	M	M	C	C	VC	VC	0.45	33	27	22	19.1	16.7	14.9	13.4	11.1	9.5	8.4	7.4	6.7
04 AI - AIC - AI3070 AITTJ60 - AIXR TT - TTI - TTI60 TTJ60 - XR - XRC (50)	20	M	VC	VC	VC	XC	XC	—	UC	UC	0.28	21	16.6	13.9	11.9	10.4	9.2	8.3	6.9	5.9	5.2	4.6	4.2
	30	M	C	C	VC	XC	XC	XC	UC	UC	0.35	26	21	17.3	14.9	13.0	11.6	10.4	8.7	7.4	6.5	5.8	5.2
	40	M	M	C	C	VC	VC	XC	XC	XC	0.40	30	24	19.8	17.0	14.9	13.2	11.9	9.9	8.5	7.4	6.6	5.9
	50	F	M	M	C	VC	VC	VC	XC	XC	0.45	33	27	22	19.1	16.7	14.9	13.4	11.1	9.5	8.4	7.4	6.7
	60	F	M	M	C	C	C	VC	XC	XC	0.49	36	29	24	21	18.2	16.2	14.6	12.1	10.4	9.1	8.1	7.3
	70	—	M	M	M	C	C	VC	VC	VC	0.53	39	31	26	22	19.7	17.5	15.7	13.1	11.2	9.8	8.7	7.9
	80	—	F	M	M	C	C	C	VC	VC	0.57	42	34	28	24	21	18.8	16.9	14.1	12.1	10.6	9.4	8.5
	90	—	F	M	M	C	C	C	VC	VC	0.60	45	36	30	25	22	19.8	17.8	14.9	12.7	11.1	9.9	8.9
05 AI - AIC - AI3070 AITTJ60 - AIXR TT - TTI - TTI60 TTJ60 - XR - XRC (50)	20	M	VC	VC	XC	UC	UC	—	UC	UC	0.35	26	21	17.3	14.9	13.0	11.6	10.4	8.7	7.4	6.5	5.8	5.2
	30	M	C	C	VC	XC	XC	XC	UC	UC	0.43	32	26	21	18.2	16.0	14.2	12.8	10.6	9.1	8.0	7.1	6.4
	40	M	M	C	VC	VC	VC	XC	XC	XC	0.50	37	30	25	21	18.6	16.5	14.9	12.4	10.6	9.3	8.3	7.4
	50	F	M	M	C	VC	VC	VC	XC	XC	0.56	42	33	28	24	21	18.5	16.6	13.9	11.9	10.4	9.2	8.3
	60	F	M	M	C	VC	VC	VC	XC	XC	0.61	45	36	30	26	23	20	18.1	15.1	12.9	11.3	10.1	9.1
	70	—	M	M	C	C	C	VC	VC	VC	0.66	49	39	33	28	25	22	19.6	16.3	14.0	12.3	10.9	9.8
	80	—	F	M	M	C	C	VC	VC	VC	0.71	53	42	35	30	26	23	21	17.6	15.1	13.2	11.7	10.5
	90	—	F	M	M	C	C	C	VC	VC	0.75	56	45	37	32	28	25	22	18.6	15.9	13.9	12.4	11.1
06 AI - AIC - AITTJ60 AIXR - TT - TTI TTI60 - TTJ60 XR - XRC (50)	20	M	VC	VC	XC	—	UC	—	UC	UC	0.42	31	25	21	17.8	15.6	13.9	12.5	10.4	8.9	7.8	6.9	6.2
	30	M	C	C	VC	—	XC	XC	UC	UC	0.52	39	31	26	22	19.3	17.2	15.4	12.9	11.0	9.7	8.6	7.7
	40	M	M	C	VC	—	VC	XC	XC	XC	0.60	45	36	30	25	22	19.8	17.8	14.9	12.7	11.1	9.9	8.9
	50	M	M	M	VC	—	VC	VC	XC	XC	0.67	50	40	33	28	25	22	19.9	16.6	14.2	12.4	11.1	9.9
	60	M	M	M	C	—	VC	VC	XC	VC	0.73	54	43	36	31	27	24	22	18.1	15.5	13.6	12.0	10.8
	70	—	M	M	C	—	C	VC	VC	VC	0.79	59	47	39	34	29	26	23	19.6	16.8	14.7	13.0	11.7
	80	—	F	M	C	—	C	VC	VC	VC	0.85	63	50	42	36	32	28	25	21	18.0	15.8	14.0	12.6
	90	—	F	M	C	—	C	C	VC	VC	0.90	67	53	45	38	33	30	27	22	19.1	16.7	14.9	13.4
08 AI - AIC - AITTJ60 AIXR - TT - TTI TTI60 - TTJ60 XR - XRC (50)	20	M	VC	VC	XC	—	UC	—	UC	UC	0.57	42	34	28	24	21	18.8	16.9	14.1	12.1	10.6	9.4	8.5
	30	M	VC	C	XC	—	XC	XC	UC	UC	0.69	51	41	34	29	26	23	20	17.1	14.6	12.8	11.4	10.2
	40	M	M	C	VC	—	XC	XC	XC	XC	0.80	59	48	40	34	30	26	24	19.8	17.0	14.9	13.2	11.9
	50	M	M	M	VC	—	XC	XC	XC	XC	0.89	66	53	44	38	33	29	26	22	18.9	16.5	14.7	13.2
	60	M	M	M	VC	—	VC	VC	XC	VC	0.98	73	58	49	42	36	32	29	24	21	18.2	16.2	14.6
	70	—	M	M	C	—	VC	VC	VC	VC	1.06	79	63	52	45	39	35	31	26	22	19.7	17.5	15.7
	80	—	M	M	C	—	VC	VC	VC	VC	1.13	84	67	56	48	42	37	34	28	24	21	18.6	16.8
	90	—	F	M	C	—	VC	VC	VC	VC	1.20	89	71	59	51	45	40	36	30	25	22	19.8	17.8
10 AITTJ60 - TTJ60 (50) AIC - AIXR TT - TTI XR - XRC	20	C	XC	VC	UC	—	UC	—	—	UC	0.71	53	42	35	30	26	23	21	18	15	13	12	11
	30	C	VC	C	XC	—	XC	UC	—	UC	0.87	65	52	43	37	32	29	26	22	18	16	14	13
	40	M	VC	C	VC	—	XC	XC	—	XC	1.00	74	59	50	42	37	33	30	25	21	19	17	15
	50	M	C	C	VC	—	XC	XC	—	XC	1.12	83	67	55	48	42	37	33	28	24	21	18	17
	60	M	C	M	VC	—	VC	XC	—	VC	1.22	91	72	60	52	45	40	36	30	26	23	20	18
	70	—	C	M	VC	—	VC	VC	—	VC	1.32	98	78	65	56	49	44	39	33	28	25	22	20
	80	—	M	M	C	—	VC	VC	—	VC	1.41	105	84	70	60	52	47	42	35	30	26	23	21
	90	—	M	M	C	—	VC	VC	—	VC	1.50	111	89	74	64	56	50	45	37	32	28	25	22

Note: Always double check your application rates. Tabulations are based on spraying water at 70° F (21°C).

Droplet Size Data Based on ISO 25358 Standard

EXTREMELY FINE (XF)	VERY FINE (VF)	FINE (F)	MEDIUM (M)	COARSE (C)	VERY COARSE (VC)	EXTREMELY COARSE (XC)	ULTRA COARSE (UC)

	20"	Tip Spacing	GPA Conversion Factor
80°	30"	15"	1.33
110°	20"	30"	0.67

Technical Information

Universal Application Rate Chart for 15″ Tip Spacing

TIP CAPACITY	LIQUID PRESSURE IN PSI	CAPACITY 1 NOZZLE IN GPM	CAPACITY 1 NOZZLE IN OZ./MIN.	GALLONS PER ACRE – 15″ NOZZLE SPACING											
				4 MPH	5 MPH	6 MPH	7 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH	22 MPH
01	15	0.061	7.8	6.0	4.8	4.0	3.5	3.0	2.4	2.0	1.7	1.5	1.3	1.2	1.1
	20	0.071	9.1	7.0	5.6	4.7	4.0	3.5	2.8	2.3	2.0	1.8	1.6	1.4	1.3
	30	0.087	11	8.6	6.9	5.7	4.9	4.3	3.4	2.9	2.5	2.2	1.9	1.7	1.6
	40	0.10	13	9.9	7.9	6.6	5.7	5.0	4.0	3.3	2.8	2.5	2.2	2.0	1.8
	50	0.11	14	10.9	8.7	7.3	6.2	5.4	4.4	3.6	3.1	2.7	2.4	2.2	2.0
	60	0.12	15	11.9	9.5	7.9	6.8	5.9	4.8	4.0	3.4	3.0	2.6	2.4	2.2
	75	0.14	18	13.9	11.1	9.2	7.9	6.9	5.5	4.6	4.0	3.5	3.1	2.8	2.5
	90	0.15	19	14.9	11.9	9.9	8.5	7.4	5.9	5.0	4.2	3.7	3.3	3.0	2.7
015	15	0.092	12	9.1	7.3	6.1	5.2	4.6	3.6	3.0	2.6	2.3	2.0	1.8	1.7
	20	0.11	14	10.9	8.7	7.3	6.2	5.4	4.4	3.6	3.1	2.7	2.4	2.2	2.0
	30	0.13	17	12.9	10.3	8.6	7.4	6.4	5.1	4.3	3.7	3.2	2.9	2.6	2.3
	40	0.15	19	14.9	11.9	9.9	8.5	7.4	5.9	5.0	4.2	3.7	3.3	3.0	2.7
	50	0.17	22	16.8	13.5	11.2	9.6	8.4	6.7	5.6	4.8	4.2	3.7	3.4	3.1
	60	0.18	23	17.8	14.3	11.9	10.2	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.2
	75	0.21	27	21	16.6	13.9	11.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2	3.8
	90	0.23	29	23	18.2	15.2	13.0	11.4	9.1	7.6	6.5	5.7	5.1	4.6	4.1
02	15	0.12	15	11.9	9.5	7.9	6.8	5.9	4.8	4.0	3.4	3.0	2.6	2.4	2.2
	20	0.14	18	13.9	11.1	9.2	7.9	6.9	5.5	4.6	4.0	3.5	3.1	2.8	2.5
	30	0.17	22	16.8	13.5	11.2	9.6	8.4	6.7	5.6	4.8	4.2	3.7	3.4	3.1
	40	0.20	26	19.8	15.8	13.2	11.3	9.9	7.9	6.6	5.7	5.0	4.4	4.0	3.6
	50	0.22	28	22	17.4	14.5	12.4	10.9	8.7	7.3	6.2	5.4	4.8	4.4	4.0
	60	0.24	31	24	19.0	15.8	13.6	11.9	9.5	7.9	6.8	5.9	5.3	4.8	4.3
	75	0.27	35	27	21	17.8	15.3	13.4	10.7	8.9	7.6	6.7	5.9	5.3	4.9
	90	0.30	38	30	24	19.8	17.0	14.9	11.9	9.9	8.5	7.4	6.6	5.9	5.4
025	15	0.15	19	14.9	11.9	9.9	8.5	7.4	5.9	5.0	4.2	3.7	3.3	3.0	2.7
	20	0.18	23	17.8	14.3	11.9	10.2	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.2
	30	0.22	28	22	17.4	14.5	12.4	10.9	8.7	7.3	6.2	5.4	4.8	4.4	4.0
	40	0.25	32	25	19.8	16.5	14.1	12.4	9.9	8.3	7.1	6.2	5.5	5.0	4.5
	50	0.28	36	28	22	18.5	15.8	13.9	11.1	9.2	7.9	6.9	6.2	5.5	5.0
	60	0.31	40	31	25	20	17.5	15.3	12.3	10.2	8.8	7.7	6.8	6.1	5.6
	75	0.34	44	34	27	22	19.2	16.8	13.5	11.2	9.6	8.4	7.5	6.7	6.1
	90	0.38	49	38	30	25	21	18.8	15.0	12.5	10.7	9.4	8.4	7.5	6.8
03	15	0.18	23	17.8	14.3	11.9	10.2	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.2
	20	0.21	27	21	16.6	13.9	11.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2	3.8
	30	0.26	33	26	21	17.2	14.7	12.9	10.3	8.6	7.4	6.4	5.7	5.1	4.7
	40	0.30	38	30	24	19.8	17.0	14.9	11.9	9.9	8.5	7.4	6.6	5.9	5.4
	50	0.34	44	34	27	22	19.2	16.8	13.5	11.2	9.6	8.4	7.5	6.7	6.1
	60	0.37	47	37	29	24	21	18.3	14.7	12.2	10.5	9.2	8.1	7.3	6.7
	75	0.41	52	41	32	27	23	20	16.2	13.5	11.6	10.1	9.0	8.1	7.4
	90	0.45	58	45	36	30	25	22	17.8	14.9	12.7	11.1	9.9	8.9	8.1
04	15	0.24	31	24	19.0	15.8	13.6	11.9	9.5	7.9	6.8	5.9	5.3	4.8	4.3
	20	0.28	36	28	22	18.5	15.8	13.9	11.1	9.2	7.9	6.9	6.2	5.5	5.0
	30	0.35	45	35	28	23	19.8	17.3	13.9	11.6	9.9	8.7	7.7	6.9	6.3
	40	0.40	51	40	32	26	23	19.8	15.8	13.2	11.3	9.9	8.8	7.9	7.2
	50	0.45	58	45	36	30	25	22	17.8	14.9	12.7	11.1	9.9	8.9	8.1
	60	0.49	63	49	39	32	28	24	19.4	16.2	13.9	12.1	10.8	9.7	8.8
	75	0.55	70	54	44	36	31	27	22	18.2	15.6	13.6	12.1	10.9	9.9
	90	0.60	77	59	48	40	34	30	24	19.8	17.0	14.9	13.2	11.9	10.8
05	15	0.31	40	31	25	20	17.5	15.3	12.3	10.2	8.8	7.7	6.8	6.1	5.6
	20	0.35	45	35	28	23	19.8	17.3	13.9	11.6	9.9	8.7	7.7	6.9	6.3
	30	0.43	55	43	34	28	24	21	17.0	14.2	12.2	10.6	9.5	8.5	7.7
	40	0.50	64	50	40	33	28	25	19.8	16.5	14.1	12.4	11.0	9.9	9.0
	50	0.56	72	55	44	37	32	28	22	18.5	15.8	13.9	12.3	11.1	10.1
	60	0.61	78	60	48	40	35	30	24	20	17.3	15.1	13.4	12.1	11.0
	75	0.68	87	67	54	45	38	34	27	22	19.2	16.8	15.0	13.5	12.2
	90	0.75	96	74	59	50	42	37	30	25	21	18.6	16.5	14.9	13.5
06	15	0.37	47	37	29	24	21	18.3	14.7	12.2	10.5	9.2	8.1	7.3	6.7
	20	0.42	54	42	33	28	24	21	16.6	13.9	11.9	10.4	9.2	8.3	7.6
	30	0.52	67	51	41	34	29	26	21	17.2	14.7	12.9	11.4	10.3	9.4
	40	0.60	77	59	48	40	34	30	24	19.8	17.0	14.9	13.2	11.9	10.8
	50	0.67	86	66	53	44	38	33	27	22	19.0	16.6	14.7	13.3	12.1
	60	0.73	93	72	58	48	41	36	29	24	21	18.1	16.1	14.5	13.1
	75	0.82	105	81	65	54	46	41	32	27	23	20	18.0	16.2	14.8
	90	0.90	115	89	71	59	51	45	36	30	25	22	19.8	17.8	16.2
08	15	0.49	63	49	39	32	28	24	19.4	16.2	13.9	12.1	10.8	9.7	8.8
	20	0.57	73	56	45	38	32	28	23	18.8	16.1	14.1	12.5	11.3	10.3
	30	0.69	88	68	55	46	39	34	27	23	19.5	17.1	15.2	13.7	12.4
	40	0.80	102	79	63	53	45	40	32	26	23	19.8	17.6	15.8	14.4
	50	0.89	114	88	70	59	50	44	35	29	25	22	19.6	17.6	16.0
	60	0.98	125	97	78	65	55	49	39	32	28	24	22	19.4	17.6
	75	1.10	141	109	87	73	62	54	44	36	31	27	24	22	19.8
	90	1.20	154	119	95	79	68	59	48	40	34	30	26	24	22
10	15	0.61	78	60	48	40	35	30	24	20	17.3	15.1	13.4	12.1	11.0
	20	0.71	91	70	56	47	40	35	28	23	20	17.6	15.6	14.1	12.8
	30	0.87	111	86	69	57	49	43	34	29	25	22	19.1	17.2	15.7
	40	1.00	128	99	79	66	57	50	40	33	28	25	22	19.8	18.0
	50	1.12	143	111	89	74	63	55	44	37	32	28	25	22	20
	60	1.22	156	121	97	81	69	60	48	40	35	30	27	24	22
	75	1.37	175	136	109	90	78	68	54	45	39	34	30	27	25
	90	1.50	192	149	119	99	85	74	59	50	42	37	33	30	27
15	15	0.92	118	91	73	61	52	46	36	30	26	23	20	18.2	16.6
	20	1.06	136	105	84	70	60	52	42	35	30	26	23	21	19.1
	30	1.30	166	129	103	86	74	64	51	43	37	32	29	26	23
	40	1.50	192	149	119	99	85	74	59	50	42	37	33	30	27
	50	1.68	215	166	133	111	95	83	67	55	48	42	37	33	30
	60	1.84	236	182	146	121	104	91	73	61	52	46	40	36	33
	75	2.05	262	203	162	135	116	101	81	68	58	51	45	41	37
	90	2.25	288	223	178	149	127	111	89	74	64	56	50	45	41
20	15	1.22	156	121	97	81	69	60	48	40	35	30	27	24	22
	20	1.41	180	140	112	93	80	70	56	47	40	35	31	28	25
	30	1.73	221	171	137	114	98	86	69	57	49	43	38	34	31
	40	2.00	256	198	158	132	113	99	79	66	57	50	44	40	36
	50	2.24	287	222	177	148	127	111	89	74	63	55	49	44	40
	60	2.45	314	243	194	162	139	121	97	81	69	61	54	49	44
	75	2.74	351	271	217	181	155	136	109	90	78	68	60	54	49
	90	3.00	384	297	238	198	170	149	119	99	85	74	66	59	54

Note: Always double-check your application rates. Tabulations are based on spraying water at 70°F (21°C).

Technical Information

Universal Application Rate Chart for 30″ Tip Spacing

TIP CAPACITY	LIQUID PRESSURE IN PSI	CAPACITY 1 NOZZLE IN GPM	CAPACITY 1 NOZZLE IN OZ./MIN.	GALLONS PER ACRE – 30″ NOZZLE SPACING											
				4 MPH	5 MPH	6 MPH	7 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH	22 MPH
01	15	0.061	7.8	3.0	2.4	2.0	1.7	1.5	1.2	1.0	0.86	0.75	0.67	0.60	0.55
	20	0.071	9.1	3.5	2.8	2.3	2.0	1.8	1.4	1.2	1.0	0.88	0.78	0.70	0.64
	30	0.087	11	4.3	3.4	2.9	2.5	2.2	1.7	1.4	1.2	1.1	0.96	0.86	0.78
	40	0.10	13	5.0	4.0	3.3	2.8	2.5	2.0	1.7	1.4	1.2	1.1	0.99	0.90
	50	0.11	14	5.4	4.4	3.6	3.1	2.7	2.2	1.8	1.6	1.4	1.2	1.1	0.99
	60	0.12	15	5.9	4.8	4.0	3.4	3.0	2.4	2.0	1.7	1.5	1.3	1.2	1.1
	75	0.14	18	6.9	5.5	4.6	4.0	3.5	2.8	2.3	2.0	1.7	1.5	1.4	1.3
	90	0.15	19	7.4	5.9	5.0	4.2	3.7	3.0	2.5	2.1	1.9	1.7	1.5	1.4
015	15	0.092	12	4.6	3.6	3.0	2.6	2.3	1.8	1.5	1.3	1.1	1.0	0.91	0.83
	20	0.11	14	5.4	4.4	3.6	3.1	2.7	2.2	1.8	1.6	1.4	1.2	1.1	0.99
	30	0.13	17	6.4	5.1	4.3	3.7	3.2	2.6	2.1	1.8	1.6	1.4	1.3	1.2
	40	0.15	19	7.4	5.9	5.0	4.2	3.7	3.0	2.5	2.1	1.9	1.7	1.5	1.4
	50	0.17	22	8.4	6.7	5.6	4.8	4.2	3.4	2.8	2.4	2.1	1.9	1.7	1.5
	60	0.18	23	8.9	7.1	5.9	5.1	4.5	3.6	3.0	2.5	2.2	2.0	1.8	1.6
	75	0.21	27	10.4	8.3	6.9	5.9	5.2	4.2	3.5	3.0	2.6	2.3	2.1	1.9
	90	0.23	29	11.4	9.1	7.6	6.5	5.7	4.6	3.8	3.3	2.8	2.5	2.3	2.1
02	15	0.12	15	5.9	4.8	4.0	3.4	3.0	2.4	2.0	1.7	1.5	1.3	1.2	1.1
	20	0.14	18	6.9	5.5	4.6	4.0	3.5	2.8	2.3	2.0	1.7	1.5	1.4	1.3
	30	0.17	22	8.4	6.7	5.6	4.8	4.2	3.4	2.8	2.4	2.1	1.9	1.7	1.5
	40	0.20	26	9.9	7.9	6.6	5.7	5.0	4.0	3.3	2.8	2.5	2.2	2.0	1.8
	50	0.22	28	10.9	8.7	7.3	6.2	5.4	4.4	3.6	3.1	2.7	2.4	2.2	2.0
	60	0.24	31	11.9	9.5	7.9	6.8	5.9	4.8	4.0	3.4	3.0	2.6	2.4	2.2
	75	0.27	35	13.4	10.7	8.9	7.6	6.7	5.3	4.5	3.8	3.3	3.0	2.7	2.4
	90	0.30	38	14.9	11.9	9.9	8.5	7.4	5.9	5.0	4.2	3.7	3.3	3.0	2.7
025	15	0.15	19	7.4	5.9	5.0	4.2	3.7	3.0	2.5	2.1	1.9	1.7	1.5	1.4
	20	0.18	23	8.9	7.1	5.9	5.1	4.5	3.6	3.0	2.5	2.2	2.0	1.8	1.6
	30	0.22	28	10.9	8.7	7.3	6.2	5.4	4.4	3.6	3.1	2.7	2.4	2.2	2.0
	40	0.25	32	12.4	9.9	8.3	7.1	6.2	5.0	4.1	3.5	3.1	2.8	2.5	2.3
	50	0.28	36	13.9	11.1	9.2	7.9	6.9	5.5	4.6	4.0	3.5	3.1	2.8	2.5
	60	0.31	40	15.3	12.3	10.2	8.8	7.7	6.1	5.1	4.4	3.8	3.4	3.1	2.8
	75	0.34	44	16.8	13.5	11.2	9.6	8.4	6.7	5.6	4.8	4.2	3.7	3.4	3.1
	90	0.38	49	18.8	15.0	12.5	10.7	9.4	7.5	6.3	5.4	4.7	4.2	3.8	3.4
03	15	0.18	23	8.9	7.1	5.9	5.1	4.5	3.6	3.0	2.5	2.2	2.0	1.8	1.6
	20	0.21	27	10.4	8.3	6.9	5.9	5.2	4.2	3.5	3.0	2.6	2.3	2.1	1.9
	30	0.26	33	12.9	10.3	8.6	7.4	6.4	5.1	4.3	3.7	3.2	2.9	2.6	2.3
	40	0.30	38	14.9	11.9	9.9	8.5	7.4	5.9	5.0	4.2	3.7	3.3	3.0	2.7
	50	0.34	44	16.8	13.5	11.2	9.6	8.4	6.7	5.6	4.8	4.2	3.7	3.4	3.1
	60	0.37	47	18.3	14.7	12.2	10.5	9.2	7.3	6.1	5.2	4.6	4.1	3.7	3.3
	75	0.41	52	20	16.2	13.5	11.6	10.1	8.1	6.8	5.8	5.1	4.5	4.1	3.7
	90	0.45	58	22	17.8	14.9	12.7	11.1	8.9	7.4	6.4	5.6	5.0	4.5	4.1
04	15	0.24	31	11.9	9.5	7.9	6.8	5.9	4.8	4.0	3.4	3.0	2.6	2.4	2.2
	20	0.28	36	13.9	11.1	9.2	7.9	6.9	5.5	4.6	4.0	3.5	3.1	2.8	2.5
	30	0.35	45	17.3	13.9	11.6	9.9	8.7	6.9	5.8	5.0	4.3	3.9	3.5	3.2
	40	0.40	51	19.8	15.8	13.2	11.3	9.9	7.9	6.6	5.7	5.0	4.4	4.0	3.6
	50	0.45	58	22	17.8	14.9	12.7	11.1	8.9	7.4	6.4	5.6	5.0	4.5	4.1
	60	0.49	63	24	19.4	16.2	13.9	12.1	9.7	8.1	6.9	6.1	5.4	4.9	4.4
	75	0.55	70	27	22	18.2	15.6	13.6	10.9	9.1	7.8	6.8	6.1	5.4	5.0
	90	0.60	77	30	24	19.8	17.0	14.9	11.9	9.9	8.5	7.4	6.6	5.9	5.4
05	15	0.31	40	15.3	12.3	10.2	8.8	7.7	6.1	5.1	4.4	3.8	3.4	3.1	2.8
	20	0.35	45	17.3	13.9	11.6	9.9	8.7	6.9	5.8	5.0	4.3	3.9	3.5	3.2
	30	0.43	55	21	17.0	14.2	12.2	10.6	8.5	7.1	6.1	5.3	4.7	4.3	3.9
	40	0.50	64	25	19.8	16.5	14.1	12.4	9.9	8.3	7.1	6.2	5.5	5.0	4.5
	50	0.56	72	28	22	18.5	15.8	13.9	11.1	9.2	7.9	6.9	6.2	5.5	5.0
	60	0.61	78	30	24	20	17.3	15.1	12.1	10.1	8.6	7.5	6.7	6.0	5.5
	75	0.68	87	34	27	22	19.2	16.8	13.5	11.2	9.6	8.4	7.5	6.7	6.1
	90	0.75	96	37	30	25	21	18.6	14.9	12.4	10.6	9.3	8.3	7.4	6.8
06	15	0.37	47	18.3	14.7	12.2	10.5	9.2	7.3	6.1	5.2	4.6	4.1	3.7	3.3
	20	0.42	54	21	16.6	13.9	11.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2	3.8
	30	0.52	67	26	21	17.2	14.7	12.9	10.3	8.6	7.4	6.4	5.7	5.1	4.7
	40	0.60	77	30	24	19.8	17.0	14.9	11.9	9.9	8.5	7.4	6.6	5.9	5.4
	50	0.67	86	33	27	22	19.0	16.6	13.3	11.1	9.5	8.3	7.4	6.6	6.0
	60	0.73	93	36	29	24	21	18.1	14.5	12.0	10.3	9.0	8.0	7.2	6.6
	75	0.82	105	41	32	27	23	20	16.2	13.5	11.6	10.1	9.0	8.1	7.4
	90	0.90	115	45	36	30	25	22	17.8	14.9	12.7	11.1	9.9	8.9	8.1
08	15	0.49	63	24	19.4	16.2	13.9	12.1	9.7	8.1	6.9	6.1	5.4	4.9	4.4
	20	0.57	73	28	23	18.8	16.1	14.1	11.3	9.4	8.1	7.1	6.3	5.6	5.1
	30	0.69	88	34	27	23	19.5	17.1	13.7	11.4	9.8	8.5	7.6	6.8	6.2
	40	0.80	102	40	32	26	23	19.8	15.8	13.2	11.3	9.9	8.8	7.9	7.2
	50	0.89	114	44	35	29	25	22	17.6	14.7	12.6	11.0	9.8	8.8	8.0
	60	0.98	125	49	39	32	28	24	19.4	16.2	13.9	12.1	10.8	9.7	8.8
	75	1.10	141	54	44	36	31	27	22	18.2	15.6	13.6	12.1	10.9	9.9
	90	1.20	154	59	48	40	34	30	24	19.8	17.0	14.9	13.2	11.9	10.8
10	15	0.61	78	30	24	20	17.3	15.1	12.1	10.1	8.6	7.5	6.7	6.0	5.5
	20	0.71	91	35	28	23	20	17.6	14.1	11.7	10.0	8.8	7.8	7.0	6.4
	30	0.87	111	43	34	29	25	22	17.2	14.4	12.3	10.8	9.6	8.6	7.8
	40	1.00	128	50	40	33	28	25	19.8	16.5	14.1	12.4	11.0	9.9	9.0
	50	1.12	143	55	44	37	32	28	22	18.5	15.8	13.9	12.3	11.1	10.1
	60	1.22	156	60	48	40	35	30	24	20	17.3	15.1	13.4	12.1	11.0
	75	1.37	175	68	54	45	39	34	27	23	19.4	17.0	15.1	13.6	12.3
	90	1.50	192	74	59	50	42	37	30	25	21	18.6	16.5	14.9	13.5
15	15	0.92	118	46	36	30	26	23	18.2	15.2	13.0	11.4	10.1	9.1	8.3
	20	1.06	136	52	42	35	30	26	21	17.5	15.0	13.1	11.7	10.5	9.5
	30	1.30	166	64	51	43	37	32	26	21	18.4	16.1	14.3	12.9	11.7
	40	1.50	192	74	59	50	42	37	30	25	21	18.6	16.5	14.9	13.5
	50	1.68	215	83	67	55	48	42	33	28	24	21	18.5	16.6	15.1
	60	1.84	236	91	73	61	52	46	36	30	26	23	20	18.2	16.6
	75	2.05	262	101	81	68	58	51	41	34	29	25	23	20	18.5
	90	2.25	288	111	89	74	64	56	45	37	32	28	25	22	20
20	15	1.22	156	60	48	40	35	30	24	20	17.3	15.1	13.4	12.1	11.0
	20	1.41	180	70	56	47	40	35	28	23	19.9	17.4	15.5	14.0	12.7
	30	1.73	221	86	69	57	49	43	34	29	24	21	19.0	17.1	15.6
	40	2.00	256	99	79	66	57	50	40	33	28	25	22	19.8	18.0
	50	2.24	287	111	89	74	63	55	44	37	32	28	25	22	20
	60	2.45	314	121	97	81	69	61	49	40	35	30	27	24	22
	75	2.74	351	136	109	90	78	68	54	45	39	34	30	27	25
	90	3.00	384	149	119	99	85	74	59	50	42	37	33	30	27

Note: Always double-check your application rates. Tabulations are based on spraying water at 70°F (21°C).

Drop Size Classification

Nozzle selection is often based upon droplet size. The droplet size from a nozzle becomes very important when the efficacy of a particular plant protection chemical is dependent on coverage—or the prevention of spray leaving the target area is a priority.

The majority of the nozzles used in agriculture can be classified as producing droplets in the range of fine to ultra-coarse droplets. Nozzles that produce droplets in the finer to middle portion of the range are usually recommended for post-emergence contact applications, which require excellent coverage on the intended target area. This may include herbicides, insecticides, and fungicides. Nozzles producing droplets from the middle to coarser end of the range, while offering less thorough surface coverage, provide significantly improved drift control. These nozzles are commonly used for systemic and pre-emergence surface-applied herbicides.

An important point to remember when choosing a spray nozzle that produces a droplet size in one of the eight categories is that one nozzle can produce different droplet size classifications at different pressures. A nozzle might produce medium droplets at low pressures, while producing fine droplets as pressure is increased.

Droplet size classes are shown in the following tables to assist in choosing an appropriate spray tip.

Droplet size classifications are based on BCPC specifications and in accordance with ASABE Standard S572.1 at the date of printing. Classifications are subject to change.

CATEGORY	COLOR CODE
Extremely Fine	XF
Very Fine	VF
Fine	F
Medium	M
Coarse	C
Very Coarse	VC
Extremely Coarse	XC
Ultra Coarse	UC

TURBO TWINJET® (TTJ60)

TIP PART NO.	PSI									
	20	30	40	50	60	70	80	90	80	90
TTJ60-11002	C	C	M	M	M	M	M	M	M	M
TTJ60-110025	VC	C	M	M	M	M	M	M	M	M
TTJ60-11003	VC	C	C	M	M	M	M	M	M	M
TTJ60-11004	VC	C	C	M	M	M	M	M	M	M
TTJ60-11005	VC	C	C	M	M	M	M	M	M	M
TTJ60-11006	VC	C	C	M	M	M	M	M	M	M
TTJ60-11008	VC	C	C	M	M	M	M	M	M	M
TTJ60-110010	VC	C	C	C	M	M	M	M	M	M

AIXR TEEJET® (AIXR)

TIP PART NO.	PSI										
	15	20	25	30	35	40	50	60	70	80	90
AIXR110015	VC	VC	C	C	C	C	M	M	M	M	M
AIXR11002	XC	VC	VC	VC	C	C	M	M	M	M	M
AIXR110025	XC	VC	VC	VC	C	C	M	M	M	M	M
AIX11003	XC	VC	VC	VC	C	C	C	M	M	M	M
AIXR11004	XC	VC	VC	VC	VC	C	C	C	M	M	M
AIXR11005	XC	XC	VC	VC	VC	VC	C	C	C	M	M
AIXR11006	XC	XC	XC	VC	VC	VC	VC	C	C	C	C
AIXR11008	UC	XC	XC	XC	VC	VC	VC	VC	C	C	C
AIXR11010	UC	UC	XC	XC	XC	VC	VC	VC	VC	C	C

TURBO TEEJET® (TT)

TIP PART NO.	PSI										
	15	20	25	30	35	40	50	60	70	80	90
TT11001	VC	C	C	M	M	M	M	M	F	F	F
TT110015	VC	VC	C	C	C	M	M	M	M	F	F
TT11002	VC	VC	C	C	C	M	M	M	M	F	F
TT110025	VC	VC	C	C	C	M	M	M	M	F	F
TT11003	XC	VC	VC	C	C	M	M	M	M	F	F
TT11004	XC	VC	VC	C	C	M	M	M	M	F	F
TT11005	XC	VC	VC	C	C	M	M	M	M	F	F
TT11006	XC	VC	VC	C	C	M	M	M	M	F	F
TT11008	XC	VC	VC	VC	C	M	M	M	M	M	F
TT11010	UC	XC	XC	VC	VC	VC	C	C	C	M	M
TT11012	UC	XC	XC	XC	VC	VC	VC	VC	C	C	C

AIR INDUCTION TURBO TWINJET® (AITTJ60)

TIP PART NO.	PSI							
	20	30	40	50	60	70	80	90
AITTJ60-11002	XC	VC	VC	C	C	C	C	M
AITTJ60-110025	XC	VC	VC	VC	C	C	C	C
AITTJ60-11003	XC	XC	VC	VC	C	C	C	C
AITTJ60-11004	XC	XC	VC	VC	C	C	C	C
AITTJ60-11005	UC	XC	VC	VC	VC	C	C	C
AITTJ60-11006	UC	XC	VC	VC	VC	C	C	C
AITTJ60-11008	UC	XC	XC	XC	VC	VC	VC	VC
AITTJ60-11010	UC	XC	XC	XC	VC	VC	VC	VC
AITTJ60-11015	UC	XC	XC	XC	VC	VC	VC	VC

TURBO TEEJET® INDUCTION (TTI)

TIP PART NO.	PSI									
	15	20	30	40	50	60	70	80	90	100
TTI11001	UC	UC	UC	XC	XC	VC	VC	VC	VC	C
TTI110015	UC	UC	UC	XC	XC	XC	VC	VC	VC	VC
TTI11002	UC	UC	UC	XC	XC	XC	VC	VC	VC	VC
TTI110025	UC	UC	UC	XC	XC	XC	VC	VC	VC	VC
TTI11003	UC	UC	UC	XC	XC	XC	VC	VC	VC	VC
TTI11004	UC	UC	UC	XC	XC	XC	VC	VC	VC	VC
TTI11005	UC	UC	UC	XC	XC	XC	VC	VC	VC	VC
TTI11006	UC	UC	UC	XC	XC	VC	VC	VC	VC	C
TTI11008	UC	UC	UC	XC	XC	VC	VC	VC	VC	C
TTI11010	UC	UC	UC	XC	XC	VC	VC	VC	VC	C

AIC TEEJET® (AIC)

TIP PART NO.	PSI							
	30	40	50	60	70	80	90	100
AIC110015-VS	XC	XC	VC	VC	VC	C	C	C
AIC11002-VS	XC	XC	VC	VC	VC	C	C	C
AIC110025-VS	XC	XC	VC	VC	VC	C	C	C
AIC11003-VS	XC	XC	VC	VC	VC	C	C	C
AIC11004-VS	XC	XC	VC	VC	VC	C	C	C
AIC11005-VS	XC	XC	VC	VC	VC	VC	C	C
AIC11006-VS	XC	XC	VC	VC	VC	VC	C	C
AIC11008-VS	XC	XC	XC	VC	VC	VC	VC	VC
AIC11010-VS	UC	XC	XC	XC	VC	VC	VC	VC
AIC11015-VS	UC	XC	XC	XC	VC	VC	VC	VC

AI TEEJET® (AI EVEN)

TIP PART NO.	PSI								
	30	40	50	60	70	80	90	100	115
AI95015E	XC	XC	VC	VC	VC	C	C	C	
AI6502E	UC	XC	XC	VC	VC	VC	VC	C	C
AI9502E	XC	XC	VC	VC	VC	C	C	C	
AI65025E	UC	XC	XC	VC	VC	VC	VC	VC	C
AI95025E	XC	XC	VC	VC	VC	C	C	C	
AI6503E	UC	XC	XC	VC	VC	VC	VC	VC	C
AI9503E	XC	XC	VC	VC	VC	C	C	C	
AI6504E	UC	XC	XC	VC	VC	VC	C	C	C
AI9504E	XC	XC	VC	VC	VC	C	C	C	
AI6505E	UC	XC	XC	XC	VC	VC	VC	VC	VC
AI9505E	XC	XC	VC	VC	VC	VC	C	C	
AI6506E	UC	XC	XC	XC	XC	VC	VC	VC	VC
AI9506E	UC	XC	XC	VC	VC	VC	VC	C	
AI9508E	UC	XC	XC	VC	VC	VC	VC	C	

AI TEEJET® (AI)

TIP PART NO.	PSI							
	30	40	50	60	70	80	90	100
AI80015	XC	XC	VC	VC	VC	C	C	C
AI110015	XC	XC	VC	VC	C	C	C	C
AI8002	XC	XC	VC	VC	VC	VC	C	C
AI11002	XC	XC	VC	VC	C	C	C	C
AI80025	XC	XC	VC	VC	VC	VC	C	C
AI11002	XC	XC	VC	VC	C	C	C	C
AI8003	XC	XC	VC	VC	VC	VC	C	C
AI11003	XC	XC	VC	VC	C	C	C	C
AI8004	XC	XC	VC	VC	VC	VC	C	C
AI11004	XC	XC	VC	VC	C	C	C	C
AI8005	XC	XC	VC	VC	VC	VC	C	C
AI11005	XC	XC	VC	VC	VC	VC	C	C
AI8006	XC	XC	XC	VC	VC	VC	VC	VC
AI11006	XC	XC	VC	VC	VC	VC	C	C
AI11008	XC	XC	VC	VC	VC	VC	VC	C

AI3070 TEEJET® (AI3070)

TIP PART NO.	PSI									
	20	25	30	35	40	50	60	70	80	90
AI3070-015	XC	VC	VC	VC	VC	C	C	M	M	M
AI3070-02	XC	VC	VC	VC	VC	C	C	M	M	M
AI3070-025	XC	VC	VC	VC	VC	C	C	C	M	M
AI3070-03	XC	XC	VC	VC	VC	VC	C	C	C	M
AI3070-04	XC	XC	XC	VC	VC	VC	C	C	C	C
AI3070-05	UC	XC	XC	XC	VC	VC	VC	C	C	C

XR TEEJET® (XR)

TIP PART NO.	PSI					
	15	20	30	40	50	60
XR8001	F	F	F	F	F	F
XR11001	F	F	F	F	F	VF
XR80015	M	F	F	F	F	F
XR110015	M	F	F	F	F	F
XR8002	M	M	F	F	F	F
XR11002	M	M	F	F	F	F
XR80025	M	M	M	F	F	F
XR110025	M	M	M	F	F	F
XR8003	M	M	M	F	F	F
XR11003	M	M	M	F	F	F
XR80035	M	M	M	M	F	F
XR8004	M	M	M	M	F	F
XR11004	M	M	M	M	F	F
XR8005	C	M	M	M	F	F
XR11005	M	M	M	M	M	F
XR8006	C	C	M	M	M	M
XR11006	C	M	M	M	M	M
XR8008	VC	C	C	M	M	M
XR11008	C	M	M	M	M	M
XR8010	VC	C	C	M	M	M
XR11010	C	C	C	M	M	M
XR8015	XC	VC	VC	C	C	M
XR11015	VC	VC	C	C	C	M
XR11020	XC	VC	VC	C	C	C

XRC TEEJET® (XRC)

TIP PART NO.	PSI					
	15	20	30	40	50	60
XRC8001	F	F	F	F	F	F
XRC11001	F	F	F	F	F	VF
XRC80015	M	F	F	F	F	F
XRC110015	M	F	F	F	F	F
XRC8002	M	M	F	F	F	F
XRC11002	M	M	F	F	F	F
XRC80025	M	M	M	F	F	F
XRC110025	M	M	M	F	F	F
XRC8003	M	M	M	F	F	F
XRC11003	M	M	M	F	F	F
XRC80035	M	M	M	M	F	F
XRC8004	M	M	M	M	F	F
XRC11004	M	M	M	M	F	F
XRC8005	C	M	M	M	F	F
XRC11005	M	M	M	M	M	F
XRC8006	C	C	M	M	M	M
XRC11006	C	M	M	M	M	M
XRC8008	VC	C	C	M	M	M
XRC11008	C	M	M	M	M	M
XRC8010	VC	C	C	M	M	M
XRC11010	C	C	C	M	M	M
XRC8015	XC	VC	VC	C	C	M
XRC11015	VC	VC	C	C	C	M
XRC11020	XC	VC	VC	C	C	C

TEEJET® (TP)

	PSI				
	30	35	40	50	60
TP8001	F	F	F	F	F
TP80015	F	F	F	F	F
TP8002	M	M	F	F	F
TP8003	M	M	M	M	F
TP8004	M	M	M	M	M
TP8005	C	M	M	M	M
TP8006	C	C	C	C	C
TP8008	C	C	C	C	C
TP11001	F	F	F	VF	VF
TP110015	F	F	F	F	F
TP11002	F	F	F	F	F
TP11003	F	F	F	F	F
TP11004	M	M	M	F	F
TP11005	M	M	M	M	F
TP11006	M	M	M	M	M
TP11008	C	C	C	M	M

TURFJET (TTJ)

TIP PART NO.	PSI							
	25	30	35	40	50	60	70	75
1/4TTJ02	UC	XC	XC	XC	VC	VC	VC	VC
1/4TTJ04	UC	UC	UC	UC	UC	UC	UC	UC
1/4TTJ05	UC	UC	UC	UC	UC	UC	UC	UC
1/4TTJ06	UC	UC	UC	UC	UC	UC	UC	UC
1/4TTJ08	UC	UC	UC	UC	UC	UC	UC	UC
1/4TTJ10	UC	UC	UC	UC	UC	UC	UC	UC
1/4TTJ15	UC	UC	UC	UC	UC	UC	UC	UC

TURBO FLOODJET® (TF-VP)

TIP PART NO.	PSI						
	10	15	20	25	30	35	40
TF-VP2	UC	XC	XC	VC	VC	VC	C
TF-VP2.5	UC	XC	XC	VC	VC	VC	C
TF-VP3	UC	XC	XC	XC	VC	VC	VC
TF-VP4	UC	UC	UC	XC	XC	VC	VC
TF-VP5	UC	UC	UC	XC	XC	VC	VC
TF-VP7.5	UC	UC	UC	XC	XC	VC	VC
TF-VP10	UC	UC	UC	XC	XC	VC	VC

TWINJET® (TJ60)

TIP PART NO.	PSI				
	30	35	40	50	60
TJ60-8001	F	F	F	VF	VF
TJ60-8002	F	F	F	F	F
TJ60-11002	F	F	F	F	F
TJ60-8003	F	F	F	F	F
TJ60-11003	F	F	F	F	F
TJ60-8004	F	F	F	F	F
TJ60-11004	F	F	F	F	F
TJ60-8005	M	M	M	M	F
TJ60-11005	M	M	M	M	F
TJ60-8006	M	M	M	M	M
TJ60-11006	M	M	M	M	M
TJ60-8008	M	M	M	M	M
TJ60-11008	M	M	M	M	M
TJ60-8010	M	M	M	M	M
TJ60-11010	M	M	M	M	M

DG TWINJET® (DGTJ60)

TIP PART NO.	PSI				
	30	35	40	50	60
DGTJ60-110015	M	M	F	F	F
DGTJ60-11002	M	M	M	M	M
DGTJ60-11003	M	M	M	M	M
DGTJ60-11004	C	C	C	M	M
DGTJ60-11006	C	C	C	M	M
DGTJ60-11008	C	C	C	M	M

DG TEEJET® (DG E)

TIP PART NO.	PSI				
	30	35	40	50	60
DG95015E	M	M	M	F	F
DG9502E	M	M	M	M	M
DG9503E	M	M	M	M	M
DG9504E	C	M	M	M	M
DG9505E	C	C	C	M	M

VariTarget® Nozzle



VariTarget is a revolutionary design for precision application of crop protection materials and fertilizer. This nozzle is a breakthrough in nozzle technology—offering tremendous flexibility in spray speeds and application rates. One VariTarget replaces eight conventional fixed pre-orifice drift reduction nozzles. The VariTarget allows spray speeds from 2-20 MPH with application rates from 5-40 gallons per acre. This is all achieved on the go, with one nozzle.

Features:

- Fits conventional nozzle bodies
- Adaptable to conventional spray systems
- Suitable for a wide range of spray speeds from 2 to 20 MPH
- Fast response to rate changes
- Self cleaning
- Easy to use
- Easy to maintain

Specifications:

- Flow rate:
  VariTarget flow rate range 0.10-0.8 GPM
  Hi-VariTarget flow rate range 0.25-2.5 GPM
- Spray angle: 110°
- Spray pressure: 15-60 PSI
- Maximum pressure: 100 PSI

Notes: *This nozzle now has four cap choices:*

- *Orange—fine droplet size*
- *Yellow—medium droplet size*
- *Blue—coarse droplet size*
- *Green—very coarse droplet size*

Part	Description
AG427662	VariTarget Nozzle with Orange Cap - Fine
AG426003	VariTarget Nozzle with Yellow Cap - Medium
AG426004	VariTarget Nozzle with Blue/Black Cap - Coarse
AG426572	VariTarget Nozzle with Green Cap - Very Coarse
AG426917	Orange Cap - Fine
AG427221	Yellow Cap - Medium
AG426586	Blue Cap - Coarse
AG426587	Green Cap - Very Coarse
AG426006	Replacement Metering Assembly
AG427338	Replacement Cap Gasket, EPDM
AG426616	Replacement Cap Gasket, Viton®
AG426927	Hi-VariTarget Nozzle with White Cap - Ext.Coarse
AG428397	White Tip Hi-VariTarget
AG428398	Metering Stem Assembly Hi-VariTarget
AG428382	VariTarget Hose Drop Adapter
AG426588	VeriJet™ Cap (3-Stream)
AG426589	VeriFlow™ Cap Single 1/4" Barb
AG426590	VeriFlow™ Cap Single 3/8" Barb
AG426592	VeriFlow™ Cap Dual 3/8" Barbs



VariTarget Nozzle with Blue or Green Spray Tip

Reference Pressure PSI	*Nozzle Flow Rate GPM*	20" Nozzle Spacing							
		US Gallons / Acre - Based on Water							
		4 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	20 MPH
16	0.15	11.1	7.4	5.6	4.5	3.7	3.2	2.8	2.2
20	0.20	14.9	9.9	7.4	5.9	5.0	4.2	3.7	3.0
32	0.30	22.3	14.9	11.1	8.9	7.4	6.4	5.6	4.5
35	0.40	29.7	19.8	14.9	11.9	9.9	8.5	7.4	5.9
38	0.50	37.1	24.8	18.6	14.9	12.4	10.6	9.3	7.4
41	0.60	44.6	29.7	22.3	17.8	14.9	12.7	11.1	8.9
44	0.70	52.0	34.7	26.0	20.8	17.3	14.9	13.0	10.4
47	0.80	59.4	39.6	29.7	23.8	19.8	17.0	14.9	11.9
60	1.00	74.3	49.5	37.1	29.7	24.8	21.2	18.6	14.9
65	1.20	89.1	59.4	44.6	35.6	29.7	25.5	22.3	17.8
85	1.50	111.4	74.3	55.7	44.6	37.1	31.8	27.8	22.3



Hi-VariTarget Nozzle White Spray Tip

Reference Pressure PSI	Nozzle Flow Rate GPM	20" Nozzle Spacing								
		US Gallons / Acre - Based on Water								
		4 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	22 MPH	24 MPH
15	0.25	18.6	12.4	9.3	7.4	6.2	5	3.7	3.4	3.1
20	0.30	22.3	14.9	11.1	8.9	7.4	5.9	4.5	4.1	3.7
34	0.40	29.7	19.8	14.9	11.9	9.9	7.9	5.9	5.4	5
37	0.60	44.6	29.7	22.3	17.8	14.9	11.9	8.9	8.2	7.4
39	0.80	59.4	39.6	29.7	23.8	19.8	15.8	11.9	10.9	9.9
41	1.00	74.3	49.5	37.1	29.7	24.8	19.8	14.9	13.6	12.4
43	1.20	89.1	59.4	44.6	35.6	29.7	23.8	17.8	16.3	14.9
45	1.40	104	69.3	52	41.6	34.7	27.7	20.8	19	17.3
50	1.60	118.8	79.2	59.4	47.5	39.6	31.7	23.8	21.8	19.8
55	1.80	133.7	89.1	66.8	53.5	44.6	35.6	26.7	24.5	22.3
60	2.00	148.5	99	74.3	59.4	49.5	39.6	29.7	27.2	24.8
85	2.40	178.2	118.8	89.1	71.3	59.4	47.5	35.6	32.6	29.7

To find your nearest dealer or to order, go to parts.agcocorp.com

VeriVolume® Nozzle



Excellent for high-volume broadcast applications of varying rate.

Features:

- Flow rate variable from 1-12 GPM as varying pressure from 10-45 PSI
- Wide range of application rates (7-80 GPA at 15 MPH)
- Flow rate controllable on the go
- Fast response to rate change
- Spray angle 140° constant over range of flow rates
- Spray height variable from 30" to 60"
- Compatible with pressure regulators or automatic rate controllers
- Excellent chemical and wear resistance
- Flexible and large orifices allowing significant reduction in nozzle plugging

Part	Description
AG426532	VeriVolume Nozzle
AG427032	Metering Stem Assembly
AG427033	Replacement Gasket and Cap, Rubber
AG427034	Replacement Gasket, Rubber
AG428731	Replacement Gasket, Viton®

Reference Pressure PSI	Flow Rate One Nozzle GPM	GALLONS PER ACRE (GPA) - BASED ON WATER									
		40" SPACING					*60" SPACING*				
		5 MPH	8 MPH	10 MPH	15 MPH	20 MPH	5 MPH	8 MPH	10 MPH	15 MPH	20 MPH
10	1.0	29.7	18.6	14.9	9.9	7.4	19.8	12.4	9.9	6.6	4.9
15	1.5	44.6	27.8	22.3	14.9	11.1	30.0	18.6	14.9	9.9	7.4
20	2.0	59.4	37.1	29.7	19.8	14.9	40.0	25.0	19.8	13.2	9.9
22	3.0	89.1	55.7	44.6	29.7	22.3	59.0	37.0	30.0	19.8	14.9
24	4.0	118.8	74.2	59.4	39.6	29.7	79.0	50.0	40.0	26.4	19.8
26	5.0	148.5	92.8	74.3	49.5	37.1	99.0	62.0	50.0	33.0	24.8
28	6.0	178.2	111.4	89.1	59.4	44.6	119.0	74.0	59.0	39.6	29.7
30	7.0	207.9	129.9	104.0	69.3	52.0	138.0	85.0	69.0	46.2	34.7
35	8.0	237.6	148.5	118.8	79.2	59.4	158.0	99.0	79.0	52.8	39.6
40	9.0	267.3	167.0	133.7	89.1	66.8	178.0	111.0	89.0	59.4	44.6
45	10.0	297.0	185.6	148.5	99.0	74.3	198.0	124.0	99.0	66.0	49.5
50	11.0	326.7	204.2	163.4	108.9	81.7	218.0	136.0	109.0	72.6	54.5
55	12.0	356.4	222.7	178.2	118.8	89.1	238.0	149.0	119.0	79.2	59.4

AccuPulse® TwinJet®

The AccuPulse uses a patent-pending recirculating design, that allows this tip to produce highly drift-resistant, XC and UC droplets without the use of air induction. This spray tip was designed specifically for use on sprayers equipped with Pulse Width Modulation (PWM) sprayer controls. The compact size and choice of numerous capacities will suit the needs of a wide range of application rates and sprayers. The droplet size spectrum and twin spray pattern of AccuPulse make it ideal for a variety of pre- and post-applications of systemic herbicides, including glyphosate and dicamba. Unleash the power and precision of AccuPulse in your operation today!

- Non-air induction, twin spray tip that produces highly drift-resistant droplets (XC, UC)
- Patent-pending recirculating design and concave exit orifice geometry
- Optimal for burndown, pre-emerge, and post-emerge systemic applications
- Twin spray pattern allows for improved coverage and canopy penetration
- Compact design fits into tight boom spaces and is less likely to be damaged during field use
- Wide operating pressure and multiple capacities to choose from, supports a wide range of ground speeds and application volumes
- Can also be used for non-PWM applications, where maximum drift control is desired
- Fits into standard flat spray cap—CP114440A-*-CE (See Nozzles Accessories Section)



Part	Description
110° Spray Tip Only	
AG430469	Size 015
AG430470	Size 02
AG430471	Size 025
AG430472	Size 03
AG430473	Size 04
AG430474	Size 05
AG430475	Size 06
AG430476	Size 08
AG430477	Size 10
AG430478	Size 12
110° Spray Tip Plus Cap	
AG430479	Size 015
AG430480	Size 02
AG430481	Size 025
AG430482	Size 03
AG430483	Size 04
AG430484	Size 05
AG430485	Size 06
AG430486	Size 08
AG430487	Size 10
AG430488	Size 12

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING												
					GALLONS PER ACRE (GPA)									TURF APPLICATION GALLONS PER 1000 SQ. FT.			
					4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
APTJ-110015VP (100)	20	UC	0.115	15	8.5	6.8	5.7	4.3	3.4	2.8	2.4	2.1	1.7	0.39	0.26	0.20	0.16
	30	UC	0.134	17	9.9	8.0	6.6	5.0	4.0	3.3	2.8	2.5	2.0	0.46	0.30	0.23	0.18
	40	UC	0.150	19	11.1	8.9	7.4	5.6	4.5	3.7	3.2	2.8	2.2	0.51	0.34	0.26	0.20
	50	UC	0.163	21	12.1	9.7	8.1	6.1	4.8	4.0	3.5	3.0	2.4	0.55	0.37	0.28	0.22
	60	XC	0.175	22	13.0	10.4	8.7	6.5	5.2	4.3	3.7	3.2	2.6	0.60	0.40	0.30	0.24
	70	XC	0.185	24	13.7	11.0	9.2	6.9	5.5	4.6	3.9	3.4	2.7	0.63	0.42	0.31	0.25
	80	XC	0.195	25	14.5	11.6	9.7	7.2	5.8	4.8	4.1	3.6	2.9	0.66	0.44	0.33	0.27
	90	XC	0.204	26	15.1	12.1	10.1	7.6	6.1	5.0	4.3	3.8	3.0	0.7	0.46	0.35	0.28
	100	XC	0.212	27	15.7	12.6	10.5	7.9	6.3	5.2	4.5	3.9	3.1	0.7	0.48	0.36	0.29
APTJ-11002VP (100)	20	UC	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.2	2.8	2.2	0.51	0.34	0.26	0.20
	30	UC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.8	3.3	2.7	0.61	0.41	0.31	0.24
	40	UC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.2	3.7	3.0	0.68	0.45	0.34	0.27
	50	UC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.7	4.1	3.3	0.75	0.50	0.37	0.30
	60	UC	0.23	29	17.1	13.7	11.4	8.5	6.8	5.7	4.9	4.3	3.4	0.78	0.52	0.39	0.31
	70	XC	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.3	4.6	3.7	0.85	0.57	0.43	0.34
	80	XC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.5	4.8	3.9	0.88	0.59	0.44	0.35
	90	XC	0.27	35	20	16.0	13.4	10.0	8.0	6.7	5.7	5.0	4.0	0.9	0.61	0.46	0.37
	100	XC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.9	5.2	4.2	1.0	0.63	0.48	0.38
APTJ-110025VP (100)	20	UC	0.19	24	14.1	11.3	9.4	7.1	5.6	4.7	4.0	3.5	2.8	0.65	0.43	0.32	0.26
	30	UC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.7	4.1	3.3	0.75	0.50	0.37	0.30
	40	UC	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.3	4.6	3.7	0.85	0.57	0.43	0.34
	50	UC	0.27	35	20	16.0	13.4	10.0	8.0	6.7	5.7	5.0	4.0	0.92	0.61	0.46	0.37
	60	UC	0.29	37	22	17.2	14.4	10.8	8.6	7.2	6.2	5.4	4.3	1.0	0.66	0.49	0.39
	70	XC	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.6	5.8	4.6	1.1	0.70	0.53	0.42
	80	XC	0.33	42	25	19.6	16.3	12.3	9.8	8.2	7.0	6.1	4.9	1.1	0.75	0.56	0.45
	90	XC	0.34	44	25	20	16.8	12.6	10.1	8.4	7.2	6.3	5.0	1.2	0.77	0.58	0.46
	100	XC	0.35	45	26	21	17.3	13.0	10.4	8.7	7.4	6.5	5.2	1.2	0.79	0.60	0.48
APTJ-11003VP (50)	20	UC	0.23	29	17.1	13.7	11.4	8.5	6.8	5.7	4.9	4.3	3.4	0.78	0.52	0.39	0.31
	30	UC	0.27	35	20	16.0	13.4	10.0	8.0	6.7	5.7	5.0	4.0	0.92	0.61	0.46	0.37
	40	UC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	6.4	5.6	4.5	1.0	0.68	0.51	0.41
	50	UC	0.33	42	25	19.6	16.3	12.3	9.8	8.2	7.0	6.1	4.9	1.1	0.75	0.56	0.45
	60	UC	0.35	45	26	21	17.3	13.0	10.4	8.7	7.4	6.5	5.2	1.2	0.79	0.60	0.48
	70	XC	0.37	47	27	22	18.3	13.7	11.0	9.2	7.8	6.9	5.5	1.3	0.84	0.63	0.50
	80	XC	0.39	50	29	23	19.3	14.5	11.6	9.7	8.3	7.2	5.8	1.3	0.88	0.66	0.53
	90	XC	0.41	52	30	24	20	15.2	12.2	10.1	8.7	7.6	6.1	1.4	0.9	0.70	0.56
	100	XC	0.42	54	31	25	21	15.6	12.5	10.4	8.9	7.8	6.2	1.4	1.0	0.71	0.57
APTJ-11004VP (50)	20	UC	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.6	5.8	4.6	1.05	0.70	0.53	0.42
	30	UC	0.36	46	27	21	17.8	13.4	10.7	8.9	7.6	6.7	5.3	1.2	0.82	0.61	0.49
	40	UC	0.40	51	30	24	19.8	14.9	11.9	9.9	8.5	7.4	5.9	1.4	0.91	0.68	0.54
	50	UC	0.43	55	32	26	21	16.0	12.8	10.6	9.1	8.0	6.4	1.5	1.0	0.73	0.58
	60	UC	0.47	60	35	28	23	17.4	14.0	11.6	10.0	8.7	7.0	1.6	1.1	0.80	0.64
	70	XC	0.49	63	36	29	24	18.2	14.6	12.1	10.4	9.1	7.3	1.7	1.1	0.83	0.67
	80	XC	0.52	67	39	31	26	19.3	15.4	12.9	11.0	9.7	7.7	1.8	1.2	0.88	0.71
	90	XC	0.54	69	40	32	27	20	16.0	13.4	11.5	10.0	8.0	1.8	1.2	0.9	0.73
	100	XC	0.56	72	42	33	28	21	16.6	13.9	11.9	10.4	8.3	1.9	1.3	1.0	0.76
APTJ-11005VP (50)	20	UC	0.38	49	28	23	18.8	14.1	11.3	9.4	8.1	7.1	5.6	1.3	0.86	0.65	0.52
	30	UC	0.45	58	33	27	22	16.7	13.4	11.1	9.5	8.4	6.7	1.5	1.02	0.77	0.61
	40	UC	0.50	64	37	30	25	18.6	14.9	12.4	10.6	9.3	7.4	1.7	1.1	0.85	0.68
	50	UC	0.55	70	41	33	27	20	16.3	13.6	11.7	10.2	8.2	1.9	1.2	0.94	0.75
	60	UC	0.59	76	44	35	29	22	17.5	14.6	12.5	11.0	8.8	2.0	1.3	1.0	0.80
	70	XC	0.63	81	47	37	31	23	18.7	15.6	13.4	11.7	9.4	2.1	1.4	1.1	0.86
	80	XC	0.66	84	49	39	33	25	19.6	16.3	14.0	12.3	9.8	2.2	1.5	1.1	0.90
	90	XC	0.69	88	51	41	34	26	20	17.1	14.6	12.8	10.2	2.3	1.6	1.2	0.9
	100	XC	0.72	92	53	43	36	27	21	17.8	15.3	13.4	10.7	2.4	1.6	1.2	1.0
APTJ-11006VP (50)	20	UC	0.45	58	33	27	22	16.7	13.4	11.1	9.5	8.4	6.7	1.5	1.02	0.77	0.61
	30	UC	0.53	68	39	31	26	19.7	15.7	13.1	11.2	9.8	7.9	1.8	1.2	0.90	0.72
	40	UC	0.60	77	45	36	30	22	17.8	14.9	12.7	11.1	8.9	2.0	1.4	1.0	0.82
	50	UC	0.66	84	49	39	33	25	19.6	16.3	14.0	12.3	9.8	2.2	1.5	1.1	0.90
	60	UC	0.71	91	53	42	35	26	21	17.6	15.1	13.2	10.5	2.4	1.6	1.2	0.97
	70	XC	0.76	97	56	45	38	28	23	18.8	16.1	14.1	11.3	2.6	1.7	1.3	1.0
	80	XC	0.80	102	59	48	40	30	24	19.8	17.0	14.9	11.9	2.7	1.8	1.4	1.1
	90	XC	0.84	108	62	50	42	31	25	21	17.8	15.6	12.5	2.9	1.9	1.4	1.1
	100	XC	0.88	113	65	52	44	33	26	22	18.7	16.3	13.1	3.0	2.0	1.5	1.2
APTJ-11008VP (50)	20	UC	0.60	77	45	36	30	22	17.8	14.9	12.7	11.1	8.9	2.0	1.4	1.02	0.82
	30	UC	0.71	91	53	42	35	26	21	17.6	15.1	13.2	10.5	2.4	1.6	1.2	0.97
	40	UC	0.80	102	59	48	40	30	24	19.8	17.0	14.9	11.9	2.7	1.8	1.4	1.1
	50	UC	0.88	113	65	52	44	33	26	22	18.7	16.3	13.1	3.0	2.0	1.5	1.2
	60	UC	0.95	122	71	56	47	35	28	24	20	17.6	14.1	3.2	2.2	1.6	1.3
	70	XC	1.02	131	76	61	50	38	30	25	22	18.9	15.1	3.5	2.3	1.7	1.4
	80	XC	1.08	138	80	64	53	40	32	27	23	20	16.0	3.7	2.4	1.8	1.5
	90	XC	1.13	145	84	67	56	42	34	28	24	21	16.8	3.8	2.6	1.9	1.5
	100	XC	1.18	151	88	70	58	44	35	29	25	22	17.5	4.0	2.7	2.0	1.6
APTJ-11010VP (50)	20	UC	0.74	95	55	44	37	27	22	18.3	15.7	13.7	11.0	2.5	1.7	1.3	1.01
	30	UC	0.88	113	65	52	44	33	26	22	18.7	16.3	13.1	3.0	2.0	1.5	1.2
	40	UC	1.00	128	74	59	50	37	30	25	21	18.6	14.9	3.4	2.3	1.7	1.4
	50	UC	1.10	141	82	65	54	41	33	27	23	20	16.3	3.7	2.5	1.9	1.5
	60	UC	1.19	152	88	71	59	44	35	29	25	22	17.7	4.0	2.7	2.0	1.6
	70	XC	1.28	164	95	76	63	48	38	32	27	24	19.0	4.4	2.9	2.2	1.7
	80	XC	1.35	173	100	80	67	50	40	33	29	25	20	4.6	3.1	2.3	1.8
	90	XC	1.43	183	106	85	71	53	42	35	30	27	21	4.9	3.2	2.4	1.9
	100	XC	1.49	191	111	89	74	55	44	37	32	28	22	5.1	3.4	2.5	2.0
APTJ-11012VP (50)	20	UC	0.90	115	67	53	45	33	27	22	19.1	16.7	13.4	3.1	2.0	1.53	1.22
	30	UC	1.06	136	79	63	52	39	31	26	22	19.7	15.7	3.6	2.4	1.8	1.44
	40	UC	1.20	154	89	71	59	45	36	30	25	22	17.8	4.1	2.7	2.0	1.6
	50	XC	1.32	169	98	78	65	49	39	33	28	25	19.6	4.5	3.0	2.2	1.8
	60	XC	1.42	182	105	84	70	53	42	35	30	26	21	4.8	3.2	2.4	1.9
	70	XC	1.52	195	113	90	75	56	45	38	32	28	23	5.2	3.4	2.6	2.1
	80	XC	1.61	206	120	96	80	60	48	40	34	30	24	5.5	3.6	2.7	2.2
	90	XC	1.69	216	125	100	84	63	50	42	36	31	25	5.7	3.8	2.9	2.3
	100	XC	1.77	227	131	105	88	66	53	44	38	33	26	6.0	4.0	3.0	2.4

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change. Tabulations are based on spraying water at 70°F. See technical information for droplet size classification, useful formulas and other technical information. Due to the unique design of APTJ, flow and application rate values on this chart are specific to APTJ and differ from other flat spray rate charts.

PWM Turbo TeeJet® Spray Tips

Typical Applications:

- Excellent with pre-emergence surface-applied herbicides, minimum spray pressure of 15 PSI
- Excellent with post-emergence contact herbicides, typical pressures of 40 PSI and higher

Part	Description
AG054071	TT 11001-VP - Orange
AG054072	TT 110015-VP - Green
AG054073	TT 11002-VP - Yellow
AG426673	TT 110025-VP - Violet
AG054074	TT 11003-VP - Blue
AG054075	TT 11004-VP - Red
AG054076	TT 11005-VP - Brown
AG057518	TT 11006-VP - Gray
AG057517	TT 11008-VP - White
AG429030	TT 11010-VP-CE - Light Blue, Assembly*
AG429031	TT 11012-VP-CE - Magenta, Assembly*

*Assembly includes nozzle, cap & gasket

Typical Applications:
Mid-range droplet size offers very good coverage with moderate drift control. Ideal for contact products, including herbicides, fungicides and insecticides.

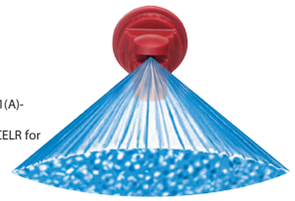
Features:

- Tapered edge wide angle flat spray pattern for uniform coverage in broadcast spraying.
- Large, rounded internal passage to minimize clogging.
- Excellent resistance to corrosive solutions.
- Superior wear characteristics.
- Larger droplets for less drift—15–90 PSI (1–6 bar).
- Automatic spray alignment with 114441(A)-*-CELR Quick TeeJet cap and gasket for capacities 01 through 08; 114502(A)-*-CELR for capacities 10 and 12.
- Unique internal configuration means substantially longer wear life.

Caps for Turbo TeeJet Tips



Part	Description
ACP0484450	Nozzle Cap with Gasket - Black
ACP0484460	Nozzle Cap with Gasket - White
ACP0484470	Nozzle Cap with Gasket - Red
ACP0484480	Nozzle Cap with Gasket - Blue
ACP0484490	Nozzle Cap with Gasket - Green
ACP0484500	Nozzle Cap with Gasket - Yellow
ACP0484510	Nozzle Cap with Gasket - Brown
ACP0484520	Nozzle Cap with Gasket - Orange
ACP0484530	Nozzle Cap with Gasket - Gray
ACP0484540	Nozzle Cap with Gasket - Violet
AG006063	Replacement Gasket EPDM



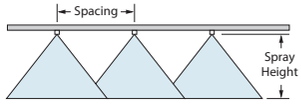
TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING — GALLONS PER ACRE (GPA) 4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	TURF APPLICATION GALLONS PER 1000 SQ. FT. 2 MPH	3 MPH	4 MPH	5 MPH
TT11001 (100)	15	VC	0.061	7.8	4.5	3.6	3.0	2.3	1.8	1.5	1.2	0.91	0.21	0.14	0.10	0.08
	20	C	0.071	9.1	5.3	4.2	3.5	2.6	2.1	1.8	1.4	1.1	0.24	0.16	0.12	0.10
	30	M	0.087	11	6.5	5.2	4.3	3.2	2.6	2.2	1.7	1.3	0.30	0.20	0.15	0.12
	40	M	0.10	13	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.34	0.23	0.17	0.14
	50	M	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15
	60	M	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16
	75	F	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
	90	F	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
TT110015 (100)	15	VC	0.092	12	6.8	5.5	4.6	3.4	2.7	2.3	1.8	1.4	0.31	0.21	0.16	0.13
	20	VC	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15
	30	C	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18
	40	M	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	50	M	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	60	M	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
	75	M	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
	90	F	0.23	29	17.1	13.7	11.4	8.5	6.8	5.7	4.6	3.4	0.78	0.52	0.39	0.31
TT11002 (50)	15	VC	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16
	20	VC	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
	30	C	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	40	M	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	50	M	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	60	M	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
	75	M	0.27	35	20	16.0	13.4	10.0	8.0	6.7	5.3	4.0	0.92	0.61	0.46	0.37
	90	F	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
TT110025 (50)	15	VC	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	20	VC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
	30	C	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	40	M	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
	50	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	60	M	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
	75	M	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
	90	F	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52
TT11003 (50)	15	XC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
	20	VC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
	30	C	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
	40	M	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
	50	M	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
	60	M	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
	75	M	0.41	52	30	24	20	15.2	12.2	10.1	8.1	6.1	1.4	0.93	0.70	0.56
	90	F	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
TT11004 (50)	15	VC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
	20	VC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	30	C	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	40	M	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
	50	M	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
	60	M	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.66
	75	M	0.55	70	41	33	27	20	16.3	13.6	10.9	8.2	1.9	1.2	0.94	0.75
	90	F	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
TT11005 (50)	15	XC	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
	20	VC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	30	C	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
	40	M	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68
	50	M	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
	60	M	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
	75	M	0.68	87	50	40	34	25	20	16.8	13.5	10.1	2.3	1.5	1.2	0.92
	90	F	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0
TT11006 (50)	15	XC	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
	20	VC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57
	30	C	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71
	40	M	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
	50	M	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91
	60	M	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99
	75	M	0.82	105	61	49	41	30	24	20	16.2	12.2	2.8	1.9	1.4	1.1
	90	F	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2
TT11008 (50)	15	XC	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
	20	VC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78
	30	VC	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94
	40	M	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1
	50	M	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2
	60	M	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3
	75	M	1.10	141	82	65	54	41	33	27	22	16.3	3.7	2.5	1.9	1.5
	90	F	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6
TT11010	15	UC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
	20	XC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97
	30	VC	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2
	40	VC	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4
	50	C	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5
	60	C	1.22	156	91	72	60	45	36	30	24	18.1	4.2	2.8	2.1	1.7
	75	C	1.37	175	102	81	68	51	41	34	27	20	4.6	3.1	2.3	1.87
	90	M	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0
TT11012	15	UC	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99
	20	XC	0.85	109	63	50	42	32	25	21	16.8	12.6	2.9	1.9	1.5	1.2
	30	XC	1.04	133	77	62	51	39	31	26	21	15.4	3.5	2.4	1.8	1.4
	40	VC	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6
	50	VC	1.34	172	99	80	66	50	40	33	27	19.9	4.6	3.0	2.3	1.8
	60	VC	1.47	188	109	87	73	55	44	36	29	22	5.0	3.3	2.5	2.0
	75	C	1.64	210	122	97	81	61	49	41	32	24	5.6	3.7	2.8	2.2
	90	C	1.80	230	134	107	89	67	53	45	36	27	6.1	4.1	3.1	2.5

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change. Tabulations are based on spraying water at 70°F. See technical information for droplet size classification, useful formulas and other technical information.

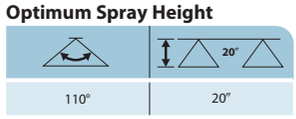


CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
VERY GOOD	VERY GOOD	VERY GOOD
GOOD*	EXCELLENT*	VERY GOOD*

*At pressures below 30 PSI (2.0 bar)



Optimum Spray Height



How to order:
Specify tip number.
Example:
TT11001-VP – Polymer with VisiFlo® color coding
TT11002-VP-CE – Polymer with VisiFlo color coding, includes Quick TeeJet cap and gasket

PWM Turbo TwinJet

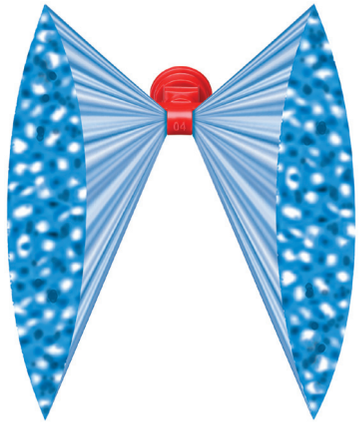
Typical Applications:

- Best for pre-emergence surface-applied herbicides, minimum spray pressure of 15 PSI
- Best for post-emergence contact herbicides, typical pressures of 40 PSI and higher
- Excellent for fungicide application

Part	Description
AG426478	Nozzle TTJ60-11002-VP
AG426479	Nozzle TTJ60-110025-VP
AG426480	Nozzle TTJ60-11003-VP
AG426481	Nozzle TTJ60-11004-VP
AG426482	Nozzle TTJ60-11005-VP
AG426483	Nozzle TTJ60-11006-VP
AG428772	Nozzle TTJ60-11008-VP
AG428773	Nozzle TTJ60-11010-VP
ACP0484450	Nozzle Cap with Gasket - Black
ACP0484460	Nozzle Cap with Gasket - White
ACP0484470	Nozzle Cap with Gasket - Red
ACP0484480	Nozzle Cap with Gasket - Blue
ACP0484490	Nozzle Cap with Gasket - Green
ACP0484500	Nozzle Cap with Gasket - Yellow
ACP0484510	Nozzle Cap with Gasket - Brown
ACP0484520	Nozzle Cap with Gasket - Orange
ACP0484530	Nozzle Cap with Gasket - Gray
ACP0484540	Nozzle Cap with Gasket - Violet

Features:

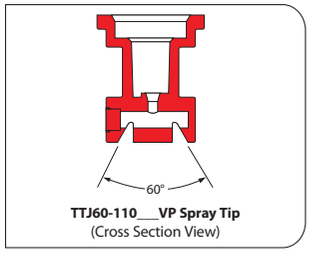
- Dual-outlet design produces two 110° flat fan spray patterns using the patented technology from the Turbo TeeJet® nozzle. The angle between each spray pattern is 60° forward and back.
- Best suited for broadcast spraying where superior leaf coverage and canopy penetration are important.
- Droplet size range is slightly larger than for the same capacity Turbo TeeJet nozzle, providing drift-reducing properties with increased canopy coverage and penetration.
- Molded polymer for excellent chemical and wear resistance.
- Available in eight VisiFlo® color-coded capacities with pressure ranges from 20–90 PSI (1.5–6 bar).
- Ideal for use with automatic sprayer controllers.
- Automatic alignment when used with 114441(A)-*-CELR Quick TeeJet® cap and gasket.





TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING — GALLONS PER ACRE (GPA) 4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	TURF APPLICATION GALLONS PER 1000 SQ. FT. 2 MPH	3 MPH	4 MPH	5 MPH
TTJ60-11002 (100)	20	C	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
	30	C	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	40	M	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	50	M	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	60	M	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
	70	M	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
	80	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	90	M	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
TTJ60-110025 (100)	20	VC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
	30	C	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	40	M	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
	50	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	60	M	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
	70	M	0.33	42	25	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.1	0.75	0.56	0.45
	80	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	90	M	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52
TTJ60-11003 (100)	20	VC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
	30	C	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
	40	C	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
	50	M	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
	60	M	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
	70	M	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
	80	M	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57
	90	M	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
TTJ60-11004 (50)	20	VC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	30	C	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	40	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
	50	M	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
	60	M	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
	70	M	0.53	68	39	31	26	19.7	15.7	13.1	10.5	7.9	1.8	1.2	0.90	0.72
	80	M	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78
	90	M	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
TTJ60-11005 (50)	20	VC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	30	C	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
	40	C	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68
	50	M	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
	60	M	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
	70	M	0.66	84	49	39	33	25	19.6	16.3	13.1	9.8	2.2	1.5	1.1	0.90
	80	M	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97
	90	M	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0
TTJ60-11006 (50)	20	VC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57
	30	C	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71
	40	C	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
	50	M	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91
	60	M	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99
	70	M	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1
	80	M	0.85	109	63	50	42	32	25	21	16.8	12.6	2.9	1.9	1.4	1.2
	90	M	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2
TTJ60-11008 (50)	20	VC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78
	30	C	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94
	40	C	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.09
	50	C	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2
	60	M	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3
	70	M	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4
	80	M	1.13	145	84	67	56	42	34	28	22	16.8	3.8	2.6	1.9	1.5
	90	M	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6
TTJ60-11010 (50)	20	VC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97
	30	C	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2
	40	C	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4
	50	C	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5
	60	M	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7
	70	M	1.32	169	98	78	65	49	39	33	26	19.6	4.5	3.0	2.2	1.8
	80	M	1.41	180	105	84	70	52	42	35	28	21	4.8	3.2	2.4	1.9
	90	M	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0

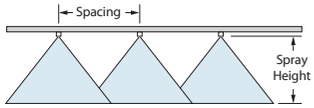
Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change. Tabulations are based on spraying water at 70°F. See technical information for droplet size classification, useful formulas and other technical information.



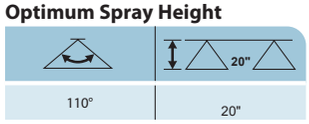
TTJ60-110___VP Spray Tip
(Cross Section View)

CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
EXCELLENT	EXCELLENT	VERY GOOD
VERY GOOD*	EXCELLENT*	EXCELLENT*

*At pressures below 30 PSI (2.0 bar)



Optimum Spray Height



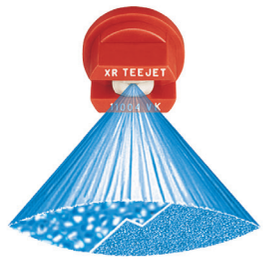
How to order:

Specify tip number.
Example:
TTJ60-11004VP - Polymer with VisiFlo® color coding
TTJ60-1103VP-C - Polymer with VisiFlo color coding, includes Quick TeeJet cap and gasket

XR TeeJet® Extended Range Flat Spray Tips

Features:

- Excellent spray distribution over a wide range of pressures, 15–60 PSI (1–4 bar).
- Ideal for rigs equipped with sprayer controllers.
- Reduces drift at lower pressures, better coverage at higher pressures.
- Available in stainless steel, ceramic and polymer in 80° and 110° spray angles with VisiFlo® color coding.
- Ceramic is available with corrosive-resistant polypropylene VisiFlo color-coded tip holder in 80° capacities 03–08 and 110° capacities 02–08.
- Brass available in 110° only.
- Automatic spray alignment with 114441(A)-*-CELR Quick TeeJet® cap and gasket.
- Automatic spray alignment for sizes 10 and 15 with 25610-*-NYR Quick TeeJet cap and gasket.



At 15 PSI (1 bar) Pressure — At 60 PSI (4 bar) Pressure

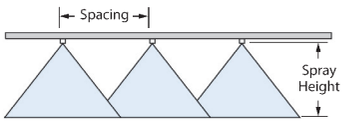
TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE 80°	DROP SIZE 110°	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING — GALLONS PER ACRE (GPA) 4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	TURF APPLICATION GALLONS PER 1000 SQ. FT. 2 MPH	3 MPH	4 MPH	5 MPH
XR8001 XR11001 (100)	15	F	F	0.061	7.8	4.5	3.6	3.0	2.3	1.8	1.5	1.2	0.91	0.21	0.14	0.10	0.08
	20	F	F	0.071	9.1	5.3	4.2	3.5	2.6	2.1	1.8	1.4	1.1	0.24	0.16	0.12	0.10
	30	F	F	0.087	11	6.5	5.2	4.3	3.2	2.6	2.2	1.7	1.3	0.30	0.20	0.15	0.12
	40	F	F	0.10	13	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.34	0.23	0.17	0.14
	50	F	F	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15
	60	F	VF	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16
XR80015 XR110015 (100)	15	M	M	0.092	12	6.8	5.5	4.6	3.4	2.7	2.3	1.8	1.4	0.31	0.21	0.16	0.13
	20	F	F	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15
	30	F	F	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18
	40	F	F	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	50	F	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	60	F	F	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
XR8002 XR11002 (50)	15	M	M	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16
	20	M	M	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
	30	F	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	40	F	F	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	50	F	F	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	60	F	F	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
XR80025 XR110025 (50)	15	M	M	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	20	M	M	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
	30	M	M	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	40	F	F	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
	50	F	F	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	60	F	F	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
XR8003 XR11003 (50)	15	M	M	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
	20	M	M	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
	30	M	M	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
	40	F	F	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
	50	F	F	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
	60	F	F	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
XR80035 (50)	15	M		0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
	20	M		0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
	30	M		0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
	40	M		0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	50	F		0.39	50	29	23	19.3	14.5	11.6	9.7	7.7	5.8	1.3	0.88	0.66	0.53
	60	F		0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
XR8004 XR11004 (50)	15	M	M	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
	20	M	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	1.0	0.63	0.48	0.38
	30	M	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	40	M	M	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
	50	F	F	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
	60	F	F	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
XR8005 XR11005 (50)	15	C	M	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
	20	M	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	30	M	M	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
	40	M	M	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68
	50	M	F	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
	60	F	F	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
XR8006 XR11006 (50)	15	C	C	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
	20	C	M	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57
	30	M	M	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71
	40	M	M	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
	50	M	M	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91
	60	M	M	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99
XR8008 XR11008 (50)	15	VC	C	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
	20	C	M	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78
	30	C	M	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94
	40	M	M	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1
	50	M	M	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2
	60	M	M	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3
XR8010† XR11010†	15	VC	C	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
	20	C	C	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97
	30	C	C	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2
	40	M	M	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4
	50	M	M	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5
	60	M	M	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7
XR8015† XR11015†	15	XC	VC	0.92	118	68	55	46	34	27	23	18.2	13.7	3.1	2.1	1.6	1.3
	20	VC	VC	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4
	30	VC	C	1.30	166	97	77	64	48	39	32	26	19.3	4.4	2.9	2.2	1.8
	40	C	C	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0
	50	C	C	1.68	215	125	100	83	62	50	42	33	25	5.7	3.8	2.9	2.3
	60	C	M	1.84	236	137	109	91	68	55	46	36	27	6.3	4.2	3.1	2.5

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change. Tabulations are based on spraying water at 70°F. See technical information for droplet size classification, useful formulas and other technical information.
†Available in all stainless steel only.



CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
EXCELLENT	GOOD	GOOD
GOOD*	VERY GOOD*	VERY GOOD*

*At pressures below 30 PSI (2.0 bar)



Optimum Spray Height

	20"
80°	30"
110°	20"

To find your nearest dealer or to order, go to parts.agcocorp.com

80° XRVS TeeJet Spray Tips



Part	Description
AG008042	8001 XR Tip - Orange
AG008043	80015 XR Tip - Green
6666923	8002 XR Tip - Yellow
AG008045	8003 XR Tip - Blue
AG008046	8004 XR Tip - Red
AG008047	8005 XR Tip - Brown
AG008048	8006 XR Tip - Gray
AG008049	8008 XR Tip - White

PWM 110° XRVS TeeJet Spray Tips

Part	Description
AG008018	11001 XR Tip - Orange
AG008017	110015 XR Tip - Green
AG008016	11002 XR Tip - Yellow
AG008015	11003 XR Tip - Blue
AG008014	11004 XR Tip - Red
AG008013	11005 XR Tip - Brown
AG008012	11006 XR Tip - Gray
AG008011	11008 XR Tip - White

PWM 110° XR TeeJet Polymer Spray Tips

XR TeeJet tips are also available in hardened stainless steel. Allow 2-3 weeks for delivery. Contact us for order numbers.

Part	Description
AG051489	11002VP XR Tip - Yellow
AG051491	11003VP XR Tip - Blue
AG051493	11004VP XR Tip - Red
AG051495	11005VP XR Tip - Brown
AG051497	11006VP XR Tip - Gray

XR TeeJet 80° and 110° Extended Range Tips (Larger Sizes) Stainless Steel

Part	Description
AG051492	8010 Stainless Steel XR Tip
AG051494	8015 Stainless Steel XR Tip
AG051496	11010 Stainless Steel XR Tip
AG051498	11015 Stainless Steel XR Tip

PWM 80° and 110° XR Ceramic Tips

Part	Description
AG054697	XR8003VK Tip
AG054698	XR8004VK Tip
AG054699	XR8005VK Tip
AG054337	XR8006VK Tip
AG054700	XR8008VK Tip
AG426378	XR110025VK Tip
AG054378	XR11004VK Tip
AG052852	XR11006VK Tip
AG052638	XR11008VK Tip

Note: **110-degree tips only suggested for PWM systems.*

Caps for XR TeeJet Tips (Small Capacities)

For XR tips _ _ 01 through _ _ 08.



Part	Description
ACP0484450	Nozzle Cap with Gasket - Black
ACP0484460	Nozzle Cap with Gasket - White
ACP0484470	Nozzle Cap with Gasket - Red
ACP0484480	Nozzle Cap with Gasket - Blue
ACP0484490	Nozzle Cap with Gasket - Green
ACP0484500	Nozzle Cap with Gasket - Yellow
ACP0484510	Nozzle Cap with Gasket - Brown
ACP0484520	Nozzle Cap with Gasket - Orange
ACP0484530	Nozzle Cap with Gasket - Gray
ACP0484540	Nozzle Cap with Gasket - Violet

Caps for XR TeeJet Tips (Larger Capacities)

For XR tips _ _ 10 through _ _15.



Part	Description
AG055180	Black with Gasket
AG055212	White with Gasket
AG055211	Red with Gasket
AG055210	Blue with Gasket
AG055209	Green with Gasket
AG055208	Yellow with Gasket
AG055207	Brown with Gasket
AG055206	Orange with Gasket



GatorGuide

- Do not use sharp, hard objects to clean plugged spray tips. Use a nozzle-cleaning brush that can be found in the Nozzle Accessories section.
- New tip-and-cap combinations eliminate handling separate tip caps and gaskets.

XRC TeeJet® Extended Range Flat Spray Tips

Features:

- Excellent spray distribution over a wide range of pressures—15–60 PSI (1–4 bar).
- Ideal for rigs equipped with sprayer controllers.
- Reduces drift at lower pressures, better coverage at higher pressures.
- 80° available in stainless steel (015, 02, 03–06 capacities) and ceramic (02, 03–08 capacities).
- 110° available in stainless steel (025–05 capacities), ceramic (02–08 capacities) and polymer (025–20 capacities).
- XR TeeJet tip molded into Quick TeeJet® cap provides automatic spray alignment.
- Includes tightly fitting washer that stays put and assures a good seal.



At 15 PSI (1 bar) Pressure — At 60 PSI (4 bar) Pressure

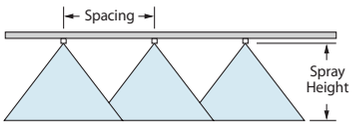


TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE		CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING											
						GALLONS PER ACRE (GPA)								TURF APPLICATION GALLONS PER 1000 SQ. FT.			
		80°	110°			4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
XRC80015 (100)	15	M	M	0.092	12	6.8	5.5	4.6	3.4	2.7	2.3	1.8	1.4	0.31	0.21	0.16	0.13
	20	F	F	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15
	30	F	F	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18
	40	F	F	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	50	F	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	60	F	F	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
XRC8002 XRC11002 (50)	15	M	M	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16
	20	M	M	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
	30	F	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	40	F	F	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	50	F	F	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	60	F	F	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
XRC110025 (50)	15	M	M	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	20	M	M	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
	30	M	M	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	40	F	F	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
	50	F	F	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	60	F	F	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
XRC8003 XRC11003 (50)	15	M	M	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
	20	M	M	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
	30	M	M	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
	40	F	F	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
	50	F	F	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
	60	F	F	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
XRC8004 XRC11004 (50)	15	M	M	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
	20	M	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	30	M	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	40	M	M	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
	50	F	F	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
	60	F	F	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
XRC8005 XRC11005 (50)	15	C	M	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
	20	M	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	30	M	M	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
	40	M	M	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68
	50	M	F	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
	60	F	F	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
XRC8006 XRC11006 (50)	15	C	C	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
	20	C	M	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57
	30	M	M	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71
	40	M	M	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
	50	M	M	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91
	60	M	M	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99
XRC8008 XRC11008 (50)	15	VC	C	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
	20	C	M	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78
	30	C	M	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94
	40	M	M	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1
	50	M	M	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2
	60	M	M	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3
XRC11010	15	VC	C	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
	20	C	C	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97
	30	C	C	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2
	40	M	M	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4
	50	M	M	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5
	60	M	M	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7
XRC11015	15	XC	VC	0.92	118	68	55	46	34	27	23	18.2	13.7	3.1	2.1	1.6	1.3
	20	VC	VC	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4
	30	VC	C	1.30	166	97	77	64	48	39	32	26	19.3	4.4	2.9	2.2	1.8
	40	C	C	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0
	50	C	C	1.68	215	125	100	83	62	50	42	33	25	5.7	3.8	2.9	2.3
	60	C	M	1.84	236	137	109	91	68	55	46	36	27	6.3	4.2	3.1	2.5
XRC11020	15		XC	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7
	20		VC	1.41	180	105	84	70	52	42	35	28	21	4.8	3.2	2.4	1.9
	30		VC	1.73	221	128	103	86	64	51	43	34	26	5.9	3.9	2.9	2.4
	40		C	2.00	256	149	119	99	74	59	50	40	30	6.8	4.5	3.4	2.7
	50		C	2.24	287	166	133	111	83	67	55	44	33	7.6	5.1	3.8	3.0
	60		C	2.45	314	182	146	121	91	73	61	49	36	8.3	5.6	4.2	3.3

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change. Tabulations are based on spraying water at 70°F. See technical information for droplet size classification, useful formulas and other technical information.

CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
EXCELLENT	GOOD	GOOD
GOOD*	VERY GOOD*	VERY GOOD*

*At pressures below 30 PSI (2.0 bar)



Optimum Spray Height

	20"
80°	30"
110°	20"

How to order:

Specify tip number.

Examples:

- XRC11004-VS – Stainless Steel with VisiFlo® color coding
- XRC11004-VP – Polymer with VisiFlo color coding
- XRC11004-VK – Ceramic with VisiFlo color coding

PWM XRC Tip-and-Cap Combination

Extended-range flat-spray tips tip-and-cap combination. The tip is molded with the cap to eliminate handling the separate components. TeeJet 110° tips are excellent for spraying pre-emergence surface-applied herbicides. They perform well over a wide range of pressures (15-60 PSI) and are ideal for rigs with sprayer controllers. At low pressure, drifting is reduced while, at higher pressure, smaller droplets are more desirable for spraying post-emergence contact herbicides.

Features:

- Excellent spray distribution over a wide range of pressures—15–60 PSI (1–4 bar)
- Ideal for rigs equipped with sprayer controllers
- Reduces drift at lower pressures; better coverage at higher pressures
- 80° available in stainless steel (015, 02, 03–06 capacities) and ceramic (02, 03–08 capacities)
- 110° available in stainless steel (025–05 capacities), ceramic (02–08 capacities), and polymer (025–20 capacities)
- XR TeeJet tip molded into Quick TeeJet cap provides automatic spray alignment
- Includes tightly-fitting washer that stays put and assures a good seal
- VS tips are stainless steel with VisiFlo color coding
- VP tips are polymer with VisiFlo color coding
- VK tips are ceramic with VisiFlo color coding

Note: *Larger sizes now available: 11010-VP, 11015-VP, and 11020-VP. 110-degree tips only suggested for PWM systems.*

Part	Description
AG726264	Nozzle and Cap XRC 110025-VS
AG726265	Nozzle and Cap XRC 11003-VS
AG726266	Nozzle and Cap XRC 11004-VS
AG726267	Nozzle and Cap XRC 11005-VS
AG426295	Nozzle and Cap XRC 11006-VP
AG427598	Nozzle and Cap XRC 11010-VP
AG427599	Nozzle and Cap XRC 11015-VP
AG427600	Nozzle and Cap XRC 11020-VP
AG426374	Nozzle and Cap XRC 11002-VK
AG726786	Nozzle and Cap XRC 110025-VK
AG726787	Nozzle and Cap XRC 11003-VK
AG726788	Nozzle and Cap XRC 11004-VK
AG726789	Nozzle and Cap XRC 11005-VK
AG426531	Nozzle and Cap XRC 11006-VK
AG426296	Nozzle and Cap XRC 11008-VK
AG426306	Nozzle and Cap XRC 80015-VS
AG426307	Nozzle and Cap XRC 8002-VS
AG426308	Nozzle and Cap XRC 8003-VS
AG426309	Nozzle and Cap XRC 8004-VS
AG426310	Nozzle and Cap XRC 8005-VS
AG426311	Nozzle and Cap XRC 8006-VS
AG426314	Nozzle and Cap XRC 8002-VK
AG426315	Nozzle and Cap XRC 8003-VK
AG426316	Nozzle and Cap XRC 8004-VK
AG426317	Nozzle and Cap XRC 8005-VK
AG426318	Nozzle and Cap XRC 8006-VK
AG426312	Nozzle and Cap XRC 8008-VK



Pentair® Hypro™ FastCap VP Nozzles

PENTAIR HYPRO

Variable-pressure nozzles maintain a consistent spray angle over a wide pressure range down to 20 PSI (1 bar) and are available in 80° and 110° versions to work with different boom heights.



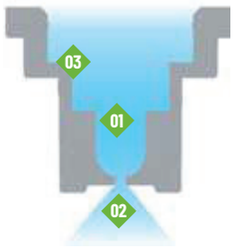
- Adjustable droplet size according to pressure
- Maintains good spray distribution and makes larger droplets at low pressures
- Hypro FastCap includes nozzle, cap and gasket
- Excellent nozzle for a wide variety of herbicide and insecticide applications
- PWM system compatible

Part	Description
ACP0440290	Nozzle FC-VP110-02
ACP0440300	Nozzle FC-VP110-03
ACP0440310	Nozzle FC-VP110-04
ACP0440320	Nozzle FC-VP110-05
ACP0440330	Nozzle FC-VP110-06
ACP0440220	Nozzle FC-VP80-03
ACP0440230	Nozzle FC-VP80-04
ACP0440240	Nozzle FC-VP80-05
ACP0440250	Nozzle FC-VP80-06
ACP0427300	Nozzle FC-VP80-08
ACP0440260	Nozzle FC-VP80-10
ACP0440200	Nozzle FC-VP80-15

US UNITS

Nozzle Size	Droplet Size 80°	Droplet Size 110°	Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing MPH 4	5	6	8	10	12	15	20	GAL/1000Ft² 20 inch nozzle spacing 2	3	4	5
015	-	-	20	0.11	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.38	0.25	0.19	0.15
	F	F	30	0.13	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.30	0.22	0.18
	F	F	40	0.15	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	F	F	50	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	F	F	60	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25
	VF	VF	70	0.20	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
02	-	-	20	0.14	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
	F	F	30	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	F	F	40	0.20	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	F	F	50	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30
	F	F	60	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33
	F	F	70	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35
025	-	M	20	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25
	-	F	30	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30
	-	F	40	0.25	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
	-	F	50	0.28	20.8	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.64	0.48	0.38
	-	F	60	0.31	23.0	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.06	0.70	0.53	0.42
	-	F	70	0.33	24.5	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.13	0.75	0.56	0.45
03	M	M	20	0.21	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.72	0.48	0.36	0.29
	M	F	30	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35
	F	F	40	0.30	22.3	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.02	0.68	0.51	0.41
	F	F	50	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.7	5.0	1.16	0.77	0.58	0.46
	F	F	60	0.37	27.5	22.0	18.3	13.7	11.0	9.2	7.3	5.5	1.26	0.84	0.63	0.50
	F	F	70	0.40	29.7	23.8	19.8	14.9	11.9	9.9	7.9	5.9	1.36	0.91	0.68	0.55
035	-	M	20	0.25	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
	-	M	30	0.30	22.3	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.02	0.68	0.51	0.41
	-	F	40	0.35	26.0	20.8	17.3	13.0	10.4	8.7	6.9	5.2	1.19	0.80	0.60	0.48
	-	F	50	0.39	29.0	23.2	19.3	14.5	11.6	9.7	7.7	5.8	1.33	0.89	0.66	0.53
	-	F	60	0.43	31.9	25.5	21.3	16.0	12.8	10.6	8.5	6.4	1.47	0.98	0.73	0.59
	-	F	70	0.46	34.2	27.3	22.8	17.1	13.7	11.4	9.1	6.8	1.57	1.05	0.78	0.63
04	C	M	20	0.28	20.8	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.64	0.48	0.38
	M	M	30	0.35	26.0	20.8	17.3	13.0	10.4	8.7	6.9	5.2	1.19	0.80	0.60	0.48
	M	F	40	0.40	29.7	23.8	19.8	14.9	11.9	9.9	7.9	5.9	1.36	0.91	0.68	0.55
	F	F	50	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61
	F	F	60	0.49	36.4	29.1	24.3	18.2	14.6	12.1	9.7	7.3	1.67	1.11	0.84	0.67
	F	F	70	0.53	39.4	31.5	26.2	19.7	15.7	13.1	10.5	7.9	1.81	1.20	0.90	0.72
05	C	M	20	0.35	26.0	20.8	17.3	13.0	10.4	8.7	6.9	5.2	1.19	0.80	0.60	0.48
	C	M	30	0.43	31.9	25.5	21.3	16.0	12.8	10.6	8.5	6.4	1.47	0.98	0.73	0.59
	M	F	40	0.50	37.1	29.7	24.8	18.6	14.9	12.4	9.9	7.4	1.71	1.14	0.85	0.68
	M	F	50	0.56	41.6	33.3	27.7	20.8	16.6	13.9	11.1	8.3	1.91	1.27	0.95	0.76
	M	F	60	0.61	45.3	36.2	30.2	22.6	18.1	15.1	12.1	9.1	2.08	1.39	1.04	0.83
	M	F	70	0.66	49.0	39.2	32.7	24.5	19.6	16.3	13.1	9.8	2.25	1.50	1.13	0.90
06	C	M	20	0.42	31.2	24.9	20.8	15.6	12.5	10.4	8.3	6.2	1.43	0.95	0.72	0.57
	C	M	30	0.52	38.6	30.9	25.7	19.3	15.4	12.9	10.3	7.7	1.77	1.18	0.89	0.71
	M	M	40	0.60	44.6	35.6	29.7	22.3	17.8	14.9	11.9	8.9	2.05	1.36	1.02	0.82
	M	F	50	0.67	49.7	39.8	33.2	24.9	19.9	16.6	13.3	9.9	2.28	1.52	1.14	0.91
	M	F	60	0.73	54.2	43.4	36.1	27.1	21.7	18.1	14.5	10.8	2.49	1.66	1.24	1.00
	M	F	70	0.79	58.7	46.9	39.1	29.3	23.5	19.6	15.6	11.7	2.69	1.80	1.35	1.08
08	-	C	20	0.57	42.3	33.9	28.2	21.2	16.9	14.1	11.3	8.5	1.94	1.30	0.97	0.78
	-	M	30	0.69	51.2	41.0	34.2	25.6	20.5	17.1	13.7	10.2	2.35	1.57	1.18	0.94
	-	M	40	0.80	59.4	47.5	39.6	29.7	23.8	19.8	15.8	11.9	2.73	1.82	1.36	1.09
	-	M	50	0.89	66.1	52.9	44.1	33.0	26.4	22.0	17.6	13.2	3.03	2.02	1.52	1.21
	-	M	60	0.98	72.8	58.2	48.5	36.4	29.1	24.3	19.4	14.6	3.34	2.23	1.67	1.34
	-	F	70	1.06	78.7	63.0	52.5	39.4	31.5	26.2	21.0	15.7	3.61	2.41	1.81	1.45
10	-	C	20	0.71	52.7	42.2	35.1	26.4	21.1	17.6	14.1	10.5	2.42	1.61	1.21	0.97
	-	M	30	0.87	64.6	51.7	43.1	32.3	25.8	21.5	17.2	12.9	2.97	1.98	1.48	1.19
	-	M	40	1.00	74.3	59.4	49.5	37.1	29.7	24.8	19.8	14.9	3.41	2.27	1.71	1.36
	-	M	50	1.12	83.2	66.5	55.4	41.6	33.3	27.7	22.2	16.6	3.82	2.55	1.91	1.53
	-	M	60	1.22	90.6	72.5	60.4	45.3	36.2	30.2	24.2	18.1	4.16	2.77	2.08	1.66
	-	F	70	1.32	98.0	78.4	65.3	49.0	39.2	32.7	26.1	19.6	4.50	3.00	2.25	1.80
15	-	C	20	1.06	78.7	63.0	52.5	39.4	31.5	26.2	21.0	15.7	3.61	2.41	1.81	1.45
	-	C	30	1.30	96.5	77.2	64.4	48.3	38.6	32.2	25.7	19.3	4.43	2.96	2.22	1.77
	-	M	40	1.50	111	89.1	74.3	55.7	44.6	37.1	29.7	22.3	5.12	3.41	2.56	2.05
	-	M	50	1.68	125	99.8	83.2	62.4	49.9	41.6	33.3	24.9	5.73	3.82	2.86	2.29
	-	M	60	1.84	137	109	91.1	68.3	54.6	45.5	36.4	27.3	6.27	4.18	3.14	2.51
	-	M	70	1.98	147	118	98.0	73.5	58.8	49.0	39.2	29.4	6.75	4.50	3.38	2.70

Droplet size based on ASABE S572.1 standard.



01. Non-Air Inducted; single inlet/outlet design
02. Fully formed spray pattern at low pressures
03. Enhanced polyacetal for superior product life

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PWM Hypro® Ultra Lo-Drift (ULD) Max

PENTAIR HYPRO

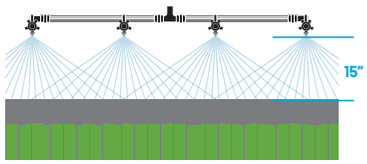


When spraying Plant Protection Products, where your droplets land is key. Droplets can drift away and be gone with the wind. These droplets could end up in places they're not supposed to be. Each chemical droplet needs to be accounted for and well utilized. Help minimize the impact on the surrounding environment. You need a dependable nozzle solution that will help decrease your application drift and your worries considerably.

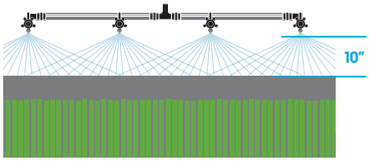
Features:

- Reduce drift by up to 95% with Hypro Ultra Lo-Drift Max Nozzles.
- Use at a wide range of operating pressures and maintain a consistent droplet size.
- Reduce installation torque requirements with FastCap version featuring SnapLock cap.
- Avoid breakage when hitting crops or the ground with its compact and robust footprint.
- Leverage for post-emergence herbicide applications where drift reduction is critical.

Part	Description
AG430419	Tip and Cap FC-ULDM130-02
AG430420	Tip and Cap FC-ULDM130-025
AG430421	Tip and Cap FC-ULDM130-03
AG430422	Tip and Cap FC-ULDM130-04
AG430423	Tip and Cap FC-ULDM130-05
AG430424	Tip and Cap FC-ULDM130-06
AG430425	Tip and Cap FC-ULDM130-08



110° SPRAY PATTERN HEIGHT WITH 50% OVERLAP



130° SPRAY PATTERN 50% OVERLAP HEIGHT

ULTRA LO-DRIFT MAX

Dual Air-Induction Nozzle for Maximum Drift Control

SPECIFICATIONS - US UNITS

Nozzle Size	Droplet Size	Pressure (PSI)	Flow (GPM)	Speed (MPH) - 20 inch nozzle spacing										
				Gallons per Acre										
				5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0
02	UC	30	0.17	10.1	6.7	5.0	4.0	3.4	2.9	2.5	2.2	2.0	1.8	1.7
	UC	40	0.20	11.9	7.9	5.9	4.8	4.0	3.4	3.0	2.6	2.4	2.2	2.0
	UC	50	0.22	13.1	8.7	6.5	5.2	4.4	3.7	3.3	2.9	2.6	2.4	2.2
	UC	60	0.24	14.3	9.5	7.1	5.7	4.8	4.1	3.6	3.2	2.9	2.6	2.4
	XC	70	0.26	15.4	10.3	7.7	6.2	5.1	4.4	3.9	3.4	3.1	2.8	2.6
	XC	80	0.28	16.6	11.1	8.3	6.7	5.5	4.8	4.2	3.7	3.3	3.0	2.8
	XC	90	0.30	17.8	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.2	3.0
	XC	100	0.31	18.4	12.3	9.2	7.4	6.1	5.3	4.6	4.1	3.7	3.3	3.1
025	UC	30	0.22	13.1	8.7	6.5	5.2	4.4	3.7	3.3	2.9	2.6	2.4	2.2
	UC	40	0.25	14.9	9.9	7.4	5.9	5.0	4.2	3.7	3.3	3.0	2.7	2.5
	UC	50	0.28	16.6	11.1	8.3	6.7	5.5	4.8	4.2	3.7	3.3	3.0	2.8
	UC	60	0.31	18.4	12.3	9.2	7.4	6.1	5.3	4.6	4.1	3.7	3.3	3.1
	UC	70	0.33	19.6	13.1	9.8	7.8	6.5	5.6	4.9	4.4	3.9	3.6	3.3
	UC	80	0.35	20.8	13.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2	3.8	3.5
	XC	90	0.38	22.6	15.0	11.3	9.0	7.5	6.4	5.6	5.0	4.5	4.1	3.8
	XC	100	0.40	23.8	15.8	11.9	9.5	7.9	6.8	5.9	5.3	4.8	4.3	4.0
03	UC	30	0.26	15.4	10.3	7.7	6.2	5.1	4.4	3.9	3.4	3.1	2.8	2.6
	UC	40	0.30	17.8	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.2	3.0
	UC	50	0.34	20.2	13.5	10.1	8.1	6.7	5.8	5.0	4.5	4.0	3.7	3.4
	UC	60	0.37	22.0	14.7	11.0	8.8	7.3	6.3	5.5	4.9	4.4	4.0	3.7
	UC	70	0.40	23.8	15.8	11.9	9.5	7.9	6.8	5.9	5.3	4.8	4.3	4.0
	XC	80	0.42	24.9	16.6	12.5	10.0	8.3	7.1	6.2	5.5	5.0	4.5	4.2
	XC	90	0.45	-	17.8	13.4	10.7	8.9	7.6	6.7	5.9	5.3	4.9	4.5
	XC	100	0.48	-	18.9	14.2	11.3	9.5	8.1	7.1	6.3	5.7	5.2	4.7
04	UC	30	0.35	20.8	13.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2	3.8	3.5
	UC	40	0.40	23.8	15.8	11.9	9.5	7.9	6.8	5.9	5.3	4.8	4.3	4.0
	UC	50	0.45	-	17.8	13.4	10.7	8.9	7.6	6.7	5.9	5.3	4.9	4.5
	UC	60	0.49	-	19.4	14.6	11.6	9.7	8.3	7.3	6.5	5.8	5.3	4.9
	UC	70	0.53	-	21.0	15.7	12.6	10.5	9.0	7.9	7.0	6.3	5.7	5.2
	XC	80	0.57	-	22.6	16.9	13.5	11.3	9.7	8.5	7.5	6.8	6.2	5.6
	XC	90	0.60	-	23.8	17.8	14.3	11.9	10.2	8.9	7.9	7.1	6.5	5.9
	XC	100	0.63	-		18.8	15.0	12.5	10.7	9.4	8.4	7.5	6.8	6.3
05	UC	30	0.43	-	17.0	12.8	10.2	8.5	7.3	6.4	5.7	5.1	4.6	4.3
	UC	40	0.50	-	19.8	14.9	11.9	9.9	8.5	7.4	6.6	5.9	5.4	5.0
	UC	50	0.56	-	22.2	16.6	13.3	11.1	9.5	8.3	7.4	6.7	6.0	5.5
	UC	60	0.61	-	24.2	18.1	14.5	12.1	10.4	9.1	8.1	7.2	6.6	6.0
	UC	70	0.66	-	-	19.6	15.7	13.1	11.2	9.8	8.7	7.8	7.1	6.5
	UC	80	0.71	-	-	21.1	16.9	14.1	12.0	10.5	9.4	8.4	7.7	7.0
	UC	90	0.75	-	-	22.3	17.8	14.9	12.7	11.1	9.9	8.9	8.1	7.4
	XC	100	0.79	-	-	23.5	18.8	15.6	13.4	11.7	10.4	9.4	8.5	7.8
06	UC	30	0.52	-	20.6	15.4	12.4	10.3	8.8	7.7	6.9	6.2	5.6	5.1
	UC	40	0.60	-	23.8	17.8	14.3	11.9	10.2	8.9	7.9	7.1	6.5	5.9
	UC	50	0.67	-	-	19.9	15.9	13.3	11.4	9.9	8.8	8.0	7.2	6.6
	UC	60	0.73	-	-	21.7	17.3	14.5	12.4	10.8	9.6	8.7	7.9	7.2
	UC	70	0.79	-	-	23.5	18.8	15.6	13.4	11.7	10.4	9.4	8.5	7.8
	UC	80	0.85	-	-	-	20.2	16.8	14.4	12.6	11.2	10.1	9.2	8.4
	UC	90	0.90	-	-	-	21.4	17.8	15.3	13.4	11.9	10.7	9.7	8.9
	XC	100	0.95	-	-	-	22.6	18.8	16.1	14.1	12.5	11.3	10.3	9.4
08	UC	30	0.69	-	-	20.5	16.4	13.7	11.7	10.2	9.1	8.2	7.5	6.8
	UC	40	0.80	-	-	23.8	19.0	15.8	13.6	11.9	10.6	9.5	8.6	7.9
	UC	50	0.89	-	-	-	21.1	17.6	15.1	13.2	11.7	10.6	9.6	8.8
	UC	60	0.98	-	-	-	23.3	19.4	16.6	14.6	12.9	11.6	10.6	9.7
	UC	70	1.06	-	-	-	-	21.0	18.0	15.7	14.0	12.6	11.4	10.5
	UC	80	1.13	-	-	-	-	22.4	19.2	16.8	14.9	13.4	12.2	11.2
	XC	90	1.20	-	-	-	-	23.8	20.4	17.8	15.8	14.3	13.0	11.9
	XC	100	1.26	-	-	-	-	24.9	21.4	18.7	16.6	15.0	13.6	12.5

Droplet size classification and color coding based on ANSI/ASAE S572.3 standard
Nozzle size color coding based on ISO 10625:2005(E) standard.

**For pressures lower than 15 PSI, nozzle spray angle may be reduced and will require a boom height of 30in to maintain spray distribution.

To find your nearest dealer or to order, go to parts.agcocorp.com

Pentair® Hypro™ Ultra Lo-Drift Nozzles

PENTAIR HYPRO

Hypro Ultra Lo-Drift (ULD) is the ideal spray tip for use where drift reduction is paramount. The tip produces large air-filled droplets, which cut drift dramatically compared with a standard fan and conventional low-drift spray tips. Ideal for use with pre-emergence and broad-spectrum products. The tip's low profile protects the tip from damage during spraying and boom folding.

Features:

- Creates air-filled droplets that significantly reduce spray drift
- Wide spray angle (120°) enables boom height to be lowered to further decrease drift
- Small, compact size reduces the chance of accidental breakage
- Engineered for superior spray uniformity at all pressures (15-115 PSI)
- Operates at standard boom pressures
- Large air inlets eliminate the chance of blocking
- ISO standard colors and sizing ensure that the ULD fits all standard caps and TwinCap
- Precision molded in tough and durable polyacetal
- Available as standard tip and as convenient FastCap for safer handling

Note: *Recommended boom height, based on 20" nozzle spacing, is 14" minimum to 20" optimum.*

Part	Description
AG726141	Tip and Cap FC-ULD-015
AG726142	Tip and Cap FC-ULD-02
AG726143	Tip and Cap FC-ULD-025
AG726144	Tip and Cap FC-ULD-03
AG726145	Tip and Cap FC-ULD-04
AG726146	Tip and Cap FC-ULD-05
AG726147	Tip and Cap FC-ULD-06
AG426066	Tip and Cap FC-ULD-08

Tip Size	Droplet Size 120°	Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing MPH								GAL/1000 ft² 20 inch nozzle spacing			
				4	5	6	8	10	12	15	20	2	3	4	5
015	VC	15	0.09	6.7	5.3	4.5	3.3	2.7	2.2	1.8	1.3	0.31	0.20	0.15	0.12
	C	20	0.11	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.38	0.25	0.19	0.15
	C	30	0.13	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.30	0.22	0.18
	C	**40**	**0.15**	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	C	50	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	M	60	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25
	M	70	0.20	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	M	80	0.21	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.72	0.48	0.36	0.29
	M	90	0.23	17.1	13.7	11.4	8.5	6.8	5.7	4.6	3.4	0.78	0.52	0.39	0.31
	F	100	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33
	F	115	0.25	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
02	VC	15	0.12	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16
	VC	20	0.14	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
	C	30	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	C	**40**	**0.20**	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	C	50	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30
	C	60	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33
	M	70	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35
	M	80	0.28	20.8	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.64	0.48	0.38
	M	90	0.30	22.3	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.02	0.68	0.51	0.41
	M	100	0.32	23.8	19.0	15.8	11.9	9.5	7.9	6.3	4.8	1.09	0.73	0.55	0.44
	F	115	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.7	5.0	1.16	0.77	0.58	0.46
025	VC	15	0.15	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	VC	20	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25
	C	30	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30
	C	**40**	**0.25**	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
	C	50	0.28	20.8	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.64	0.48	0.38
	C	60	0.31	23.0	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.06	0.70	0.53	0.42
	M	70	0.33	24.5	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.13	0.75	0.56	0.45
	M	80	0.35	26.0	20.8	17.3	13.0	10.4	8.7	6.9	5.2	1.19	0.80	0.60	0.48
	M	90	0.38	28.2	22.6	18.8	14.1	11.3	9.4	7.5	5.6	1.30	0.86	0.65	0.52
	M	100	0.40	29.7	23.8	19.8	14.9	11.9	9.9	7.9	5.9	1.36	0.91	0.68	0.55
	M	115	0.42	31.2	24.9	20.8	15.6	12.5	10.4	8.3	6.2	1.43	0.95	0.72	0.57
03	VC	15	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25
	VC	20	0.21	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.72	0.48	0.36	0.29
	VC	30	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35
	C	**40**	**0.30**	22.3	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.02	0.68	0.51	0.41
	C	50	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.7	5.0	1.16	0.77	0.58	0.46
	C	60	0.37	27.5	22.0	18.3	13.7	11.0	9.2	7.3	5.5	1.26	0.84	0.63	0.50
	C	70	0.40	29.7	23.8	19.8	14.9	11.9	9.9	7.9	5.9	1.36	0.91	0.68	0.55
	M	80	0.42	31.2	24.9	20.8	15.6	12.5	10.4	8.3	6.2	1.43	0.95	0.72	0.57
	M	90	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61
	M	100	0.47	34.9	27.9	23.3	17.4	14.0	11.6	9.3	7.0	1.60	1.07	0.80	0.64
	M	115	0.51	37.9	30.3	25.2	18.9	15.1	12.6	10.1	7.6	1.74	1.16	0.87	0.70
04	VC	15	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33
	VC	20	0.28	20.8	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.64	0.48	0.38
	VC	30	0.35	26.0	20.8	17.3	13.0	10.4	8.7	6.9	5.2	1.19	0.80	0.60	0.48
	C	**40**	**0.40**	29.7	23.8	19.8	14.9	11.9	9.9	7.9	5.9	1.36	0.91	0.68	0.55
	C	50	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61
	C	60	0.49	36.4	29.1	24.3	18.2	14.6	12.1	9.7	7.3	1.67	1.11	0.84	0.67
	C	70	0.53	39.4	31.5	26.2	19.7	15.7	13.1	10.5	7.9	1.81	1.20	0.90	0.72
	M	80	0.57	42.3	33.9	28.2	21.2	16.9	14.1	11.3	8.5	1.94	1.30	0.97	0.78
	M	90	0.60	44.6	35.6	29.7	22.3	17.8	14.9	11.9	8.9	2.05	1.36	1.02	0.82
	M	100	0.63	46.8	37.4	31.2	23.4	18.7	15.6	12.5	9.4	2.15	1.43	1.07	0.86
	M	115	0.68	50.5	40.4	33.7	25.2	20.2	16.8	13.5	10.1	2.32	1.55	1.16	0.93
05	XC	15	0.31	23.0	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.06	0.70	0.53	0.42
	XC	20	0.35	26.0	20.8	17.3	13.0	10.4	8.7	6.9	5.2	1.19	0.80	0.60	0.48
	VC	30	0.43	31.9	25.5	21.3	16.0	12.8	10.6	8.5	6.4	1.47	0.98	0.73	0.59
	VC	**40**	**0.50**	37.1	29.7	24.8	18.6	14.9	12.4	9.9	7.4	1.71	1.14	0.85	0.68
	VC	50	0.56	41.6	33.3	27.7	20.8	16.6	13.9	11.1	8.3	1.91	1.27	0.95	0.76
	C	60	0.61	45.3	36.2	30.2	22.6	18.1	15.1	12.1	9.1	2.08	1.39	1.04	0.83
	C	70	0.66	49.0	39.2	32.7	24.5	19.6	16.3	13.1	9.8	2.25	1.50	1.13	0.90
	C	80	0.71	52.7	42.2	35.1	26.4	21.1	17.6	14.1	10.5	2.42	1.61	1.21	0.97
	C	90	0.75	55.7	44.6	37.1	27.8	22.3	18.6	14.9	11.1	2.56	1.71	1.28	1.02
	M	100	0.79	58.7	46.9	39.1	29.3	23.5	19.6	15.6	11.7	2.69	1.80	1.35	1.08
	M	115	0.85	63.1	50.5	42.1	31.6	25.2	21.0	16.8	12.6	2.90	1.93	1.45	1.16
06	XC	15	0.37	27.5	22.0	18.3	13.7	11.0	9.2	7.3	5.5	1.26	0.84	0.63	0.50
	XC	20	0.42	31.2	24.9	20.8	15.6	12.5	10.4	8.3	6.2	1.43	0.95	0.72	0.57
	XC	30	0.52	38.6	30.9	25.7	19.3	15.4	12.9	10.3	7.7	1.77	1.18	0.89	0.71
	VC	**40**	**0.60**	44.6	35.6	29.7	22.3	17.8	14.9	11.9	8.9	2.05	1.36	1.02	0.82
	VC	50	0.67	49.7	39.8	33.2	24.9	19.9	16.6	13.3	9.9	2.28	1.52	1.14	0.91
	VC	60	0.73	54.2	43.4	36.1	27.1	21.7	18.1	14.5	10.8	2.49	1.66	1.24	1.00
	C	70	0.79	58.7	46.9	39.1	29.3	23.5	19.6	15.6	11.7	2.69	1.80	1.35	1.08
	C	80	0.85	63.1	50.5	42.1	31.6	25.2	21.0	16.8	12.6	2.90	1.93	1.45	1.16
	C	90	0.90	66.8	53.5	44.6	33.4	26.7	22.3	17.8	13.4	3.07	2.05	1.53	1.23
	C	100	0.95	70.5	56.4	47.0	35.3	28.2	23.5	18.8	14.1	3.24	2.16	1.62	1.30
	M	115	1.02	75.7	60.6	50.5	37.9	30.3	25.2	20.2	15.1	3.48	2.32	1.74	1.39
08	XC	15	0.49	36.4	29.1	24.3	18.2	14.6	12.1	9.7	7.3	1.67	1.11	0.84	0.67
	XC	20	0.57	42.3	33.9	28.2	21.2	16.9	14.1	11.3	8.5	1.94	1.30	0.97	0.78
	XC	30	0.69	51.2	41.0	34.2	25.6	20.5	17.1	13.7	10.2	2.35	1.57	1.18	0.94
	VC	**40**	**0.80**	59.4	47.5	39.6	29.7	23.8	19.8	15.8	11.9	2.73	1.82	1.36	1.09
	VC	50	0.89	66.1	52.9	44.1	33.0	26.4	22.0	17.6	13.2	3.03	2.02	1.52	1.21
	VC	60	0.98	72.8	58.2	48.5	36.4	29.1	24.3	19.4	14.6	3.34	2.23	1.67	1.34
	C	70	1.06	78.7	63.0	52.5	39.4	31.5	26.2	21.0	15.7	3.61	2.41	1.81	1.45
	C	80	1.13	83.9	67.1	55.9	42.0	33.6	28.0	22.4	16.8	3.85	2.57	1.93	1.54
	C	90	1.20	89.1	71.3	59.4	44.6	35.6	29.7	23.8	17.8	4.09	2.73	2.05	1.64
	C	100	1.26	93.6	74.8	62.4	46.8	37.4	31.2	24.9	18.7	4.30	2.86	2.15	1.72
	M	115	1.36	101	80.8	67.3	50.5	40.4	33.7	26.9	20.2	4.64	3.09	2.32	1.86

Pentair® Hypro™ TwinCap with ULD and LD Nozzles

PENTAIR HYPRO



Hypro TwinCap is a simple, compact way to apply the spray volumes and medium spray quality suggested for controlling Asian Soybean Rust. Unlike old dual nozzles, the TwinCap actually lets you get exactly the right spray quality at the application rates you need. Plus, the twin spray tips set at 30° angles enhance canopy penetration and coverage.

Features and Benefits:

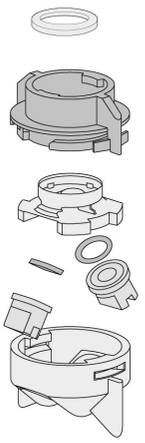
- Enhanced coverage is needed when spraying for plant diseases like Asian Soybean Rust, as well as insects or tough weeds
- Twin 30° angles improve canopy penetration and enhance coverage on stems and leaves
- Versatile design holds any two standard dimension tips
- Perfect for setting up equipment to deliver medium sprays over a wide range of speeds and pressures
- Low-profile design reduces risk of breakage
- Fits most popular nozzle bodies and is completely functional on multi-port nozzle bodies.

Part	Description
AG426233	Nozzle TC2-ULD120-015
AG426234	Nozzle TC2-ULD120-02
AG426235	Nozzle TC2-ULD120-025
AG428230	Nozzle TC2-ULD120-03
AG426240	Nozzle TC2-LD110-025
AG426241	Nozzle TC2-LD110-03
AG426242	Nozzle TC2-LD110-04

Gallons per Acre–20" Spacing

Spray Tip	ASAE S-572 Droplet Size Classification @ 40psi						PSI	Flow (GPM)	mph									
	ULD 120°	LD 110°	ADI 110°	VP 110°	TR 110°	AXI 110°			4	5	6	7	8	10	12	14	16	18	20
TwinCap x 2 01 tips					F		15	0.12	8.9	7.1	5.9	5.1	4.5	3.6	3.0	2.5	2.2	2.0	1.8
					F		20	0.14	10.4	8.3	6.9	5.9	5.2	4.2	3.5	3.0	2.6	2.3	2.1
			M		F		30	0.17	12.6	10.1	8.4	7.2	6.3	5.0	4.2	3.6	3.2	2.8	2.5
			M		VF		**40**	**0.20**	14.9	11.9	9.9	8.5	7.4	5.9	5.0	4.2	3.7	3.3	3.0
			M		VF		50	0.22	16.3	13.1	10.9	9.3	8.2	6.5	5.4	4.7	4.1	3.6	3.3
			F		VF		60	0.24	17.8	14.3	11.9	10.2	8.9	7.1	5.9	5.1	4.5	4.0	3.6
			F		VF		70	0.26	19.3	15.4	12.9	11.0	9.7	7.7	6.4	5.5	4.8	4.3	3.9
TwinCap x 2 015 tips	VC	M		M	M		15	0.18	13.4	10.7	8.9	7.6	6.7	5.3	4.5	3.8	3.3	3.0	2.7
	C	M		F	F	F	20	0.21	15.6	12.5	10.4	8.9	7.8	6.2	5.2	4.5	3.9	3.5	3.1
	C	M	M	F	F	F	30	0.26	19.3	15.4	12.9	11.0	9.7	7.7	6.4	5.5	4.8	4.3	3.9
	C	M	M	F	F	F	**40**	**0.30**	22	17.8	14.9	12.7	11.1	8.9	7.4	6.4	5.6	5.0	4.5
	C	M	M	F	F	F	50	0.34	25	20.2	16.8	14.4	12.6	10.1	8.4	7.2	6.3	5.6	5.0
	M	M	M	F	F	F	60	0.37	27	22	18.3	15.7	13.7	11.0	9.2	7.8	6.9	6.1	5.5
	M	F	M	F	VF	VF	70	0.40	30	24	19.8	17.0	14.9	11.9	9.9	8.5	7.4	6.6	5.9
	M						80	0.42	31	25	21	17.8	15.6	12.5	10.4	8.9	7.8	6.9	6.2
	M						90	0.45	33	27	22	19.1	16.7	13.4	11.1	9.5	8.4	7.4	6.7
	F						100	0.47	35	28	23	20	17.4	14.0	11.6	10.0	8.7	7.8	7.0
	F						115	0.51	38	30	25	22	18.9	15.1	12.6	10.8	9.5	8.4	7.6
TwinCap x 2 02 tips	VC	C		M	M		15	0.24	17.8	14.3	11.9	10.2	8.9	7.1	5.9	5.1	4.5	4.0	3.6
	VC	C		M	M	F	20	0.28	21	16.6	13.9	11.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2
	C	M	M	F	F	F	30	0.35	26	21	17.3	14.9	13.0	10.4	8.7	7.4	6.5	5.8	5.2
	C	M	M	F	F	F	**40**	**0.40**	30	24	19.8	17.0	14.9	11.9	9.9	8.5	7.4	6.6	5.9
	C	M	M	F	F	F	50	0.45	33	27	22	19.1	16.7	13.4	11.1	9.5	8.4	7.4	6.7
	C	M	M	F	F	F	60	0.49	36	29	24	21	18.2	14.6	12.1	10.4	9.1	8.1	7.3
	M	M	M	F	F	F	70	0.53	39	31	26	22	19.7	15.7	13.1	11.2	9.8	8.7	7.9
	M						80	0.57	42	34	28	24	21	16.9	14.1	12.1	10.6	9.4	8.5
	M						90	0.60	45	36	30	25	22	17.8	14.9	12.7	11.1	9.9	8.9
	M						100	0.63	47	37	31	27	23	18.7	15.6	13.4	11.7	10.4	9.4
	F						115	0.68	50	40	34	29	25	20	16.8	14.4	12.6	11.2	10.1
TwinCap x 2 025 tips	VC	C		M			15	0.31	23	18.4	15.3	13.2	11.5	9.2	7.7	6.6	5.8	5.1	4.6
	VC	C		M			20	0.35	26	21	17.3	14.9	13.0	10.4	8.7	7.4	6.5	5.8	5.2
	C	M		F			30	0.43	32	26	21	18.2	16.0	12.8	10.6	9.1	8.0	7.1	6.4
	C	M		F			**40**	**0.50**	37	30	25	21	18.6	14.9	12.4	10.6	9.3	8.3	7.4
	C	M		F			50	0.56	42	33	28	24	21	16.6	13.9	11.9	10.4	9.2	8.3
	C	M		F			60	0.61	45	36	30	26	23	18.1	15.1	12.9	11.3	10.1	9.1
	M	M		F			70	0.66	49	39	33	28	25	19.6	16.3	14.0	12.3	10.9	9.8
	M						80	0.71	53	42	35	30	26	21	17.6	15.1	13.2	11.7	10.5
	M						90	0.75	56	45	37	32	28	22	18.6	15.9	13.9	12.4	11.1
	M						100	0.79	59	47	39	34	29	23	19.6	16.8	14.7	13.0	11.7
	M						115	0.85	63	50	42	36	32	25	21	18.0	15.8	14.0	12.6
TwinCap x 2 03 tips	VC	C		M	M		15	0.37	27	22	18.3	15.7	13.7	11.0	9.2	7.8	6.9	6.1	5.5
	VC	C		M	M	M	20	0.42	31	25	21	17.8	15.6	12.5	10.4	8.9	7.8	6.9	6.2
	VC	C	C	M	M	M	30	0.52	39	31	26	22	19.3	15.4	12.9	11.0	9.7	8.6	7.7
	C	M	M	F	F	M	**40**	**0.60**	45	36	30	25	22	17.8	14.9	12.7	11.1	9.9	8.9
	C	M	M	F	F	F	50	0.67	50	40	33	28	25	19.9	16.6	14.2	12.4	11.1	9.9
	C	M	M	F	F	F	60	0.73	54	43	36	31	27	22	18.1	15.5	13.6	12.0	10.8
	C	M	M	F	F	F	70	0.79	59	47	39	34	29	23	19.6	16.8	14.7	13.0	11.7
	M						80	0.85	63	50	42	36	32	25	21	18.0	15.8	14.0	12.6
	M						90	0.90	67	53	45	38	33	27	22	19.1	16.7	14.9	13.4
	M						100	0.95	71	56	47	40	35	28	24	20	17.6	15.7	14.1
	M						115	1.02	76	61	50	43	38	30	25	22	18.9	16.8	15.1
TwinCap x 2 04 tips	VC	C		C	C		15	0.49	36	29	24	21	18.2	14.6	12.1	10.4	9.1	8.1	7.3
	VC	C		M	M	M	20	0.57	42	34	28	24	21	16.9	14.1	12.1	10.6	9.4	8.5
	VC	C	VC	M	M	M	30	0.69	51	41	34	29	26	20	17.1	14.6	12.8	11.4	10.2
	C	M	C	M	F	M	**40**	**0.80**	59	48	40	34	30	24	19.8	17.0	14.9	13.2	11.9
	C	M	C	M	F	M	50	0.89	66	53	44	38	33	26	22	18.9	16.5	14.7	13.2
	C	M	C	F	F	F	60	0.98	73	58	49	42	36	29	24	21	18.2	16.2	14.6
	C	M	M	F	F	F	70	1.06	79	63	52	45	39	31	26	22	19.7	17.5	15.7
	M						80	1.13	84	67	56	48	42	34	28	24	21	18.6	16.8
	M						90	1.20	89	71	59	51	45	36	30	25	22	19.8	17.8
	M						100	1.26	94	75	62	53	47	37	31	27	23	21	18.7
	M						115	1.36	101	81	67	58	50	40	34	29	25	22	20
TwinCap x 2 05 tips	XC	C		C	C		15	0.61	45	36	30	26	23	18.1	15.1	12.9	11.3	10.1	9.1
	XC	C		C	C	M	20	0.71	53	42	35	30	26	21	17.6	15.1	13.2	11.7	10.5
	VC	C		M	M	M	30	0.87	65	52	43	37	32	26	22	18.5	16.1	14.4	12.9
	VC	C		M	F	M	**40**	**1.00**	74	59	50	42	37	30	25	21	18.6	16.5	14.9
	VC	C		M	F	M	50	1.12	83	67	55	48	42	33	28	24	21	18.5	16.6
	C	M		M	F	M	60	1.22	91	72	60	52	45	36	30	26	23	20	18.1
	C	M		F	F	M	70	1.32	98	78	65	56	49	39	33	28	25	22	19.6
	C						80	1.41	105	84	70	60	52	42	35	30	26	23	21
	C						90	1.50	111	89	74	64	56	45	37	32	28	25	22
	M						100	1.58	117	94	78	67	59	47	39	34	29	26	23
	M						115	1.70	126	101	84	72	63	50	42	36	32	28	25

TwinCap Parts Breakdown



Color Code	Classification
VF	Very Fine
F	Fine
M	Medium
C	Coarse
VC	Very Coarse
XC	Extremely Coarse

PWM Pentair® Hypro™ Guardian Spray Tips

PENTAIR HYPRO



Hypro Guardian spray tips are ready to attack from every angle. Ideal for insecticide and fungicide applications, the Guardian's unique 20° inclined spray pattern allows users to adjust the spray rearward, forward or as a twin spray to best suit the application target.

Features:

- Delivers a more consistent droplet and spray pattern, making it versatile for more rates and speeds
- All-in-one FastCap complete design eliminates loose tips, caps, gaskets, and strainers for easier installation and safer handling
- The wide 120° pattern is inclined 20° to enhance application versatility
- A bold arrow clearly indicates incline direction for easy installation
- Aim rearward for general spraying and to target broadleaf canopies and horizontal leaves
- Aim forward to hit vertical targets, small-bladed grasses, and the upper canopy
- Alternate nozzles forward and rearward to create a twin spray in a dense canopy

Part	Description
AG426284	Nozzle GRD120-015 Green
AG426286	Nozzle GRD120-025 Lilac
AG426287	Nozzle GRD120-03 Blue
AG426288	Nozzle GRD120-04 Red
AG426289	Nozzle GRD120-05 Brown
AG426290	Nozzle GRD120-06 Gray
AG426291	Nozzle GRD120-08 White

Tip Size	Droplet Size 120°	Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing MPH								GAL/1000 ft² 20 inch nozzle spacing			
				4	5	6	8	10	12	15	20	2	3	4	5
015	C	15	0.09	6.7	5.3	4.5	3.3	2.7	2.2	1.8	1.3	0.31	0.20	0.15	0.12
	C	20	0.11	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.38	0.25	0.19	0.15
	C	30	0.13	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.30	0.22	0.18
	M	**40**	**0.15**	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	M	50	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	M	60	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25
	M	70	0.20	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	M	80	0.21	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.72	0.48	0.36	0.29
	M	90	0.23	17.1	13.7	11.4	8.5	6.8	5.7	4.6	3.4	0.78	0.52	0.39	0.31
	M	100	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33
	M	115	0.25	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
025	VC	15	0.15	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	C	20	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25
	C	30	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30
	C	**40**	**0.25**	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
	C	50	0.28	20.8	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.64	0.48	0.38
	M	60	0.31	23.0	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.06	0.70	0.53	0.42
	M	70	0.33	24.5	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.13	0.75	0.56	0.45
	M	80	0.35	26.0	20.8	17.3	13.0	10.4	8.7	6.9	5.2	1.19	0.80	0.60	0.48
	M	90	0.38	28.2	22.6	18.8	14.1	11.3	9.4	7.5	5.6	1.30	0.86	0.65	0.52
	M	100	0.40	29.7	23.8	19.8	14.9	11.9	9.9	7.9	5.9	1.36	0.91	0.68	0.55
	M	115	0.42	31.2	24.9	20.8	15.6	12.5	10.4	8.3	6.2	1.43	0.95	0.72	0.57
03	VC	15	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25
	C	20	0.21	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.72	0.48	0.36	0.29
	C	30	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35
	C	**40**	**0.30**	22.3	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.02	0.68	0.51	0.41
	C	50	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.7	5.0	1.16	0.77	0.58	0.46
	C	60	0.37	27.5	22.0	18.3	13.7	11.0	9.2	7.3	5.5	1.26	0.84	0.63	0.50
	M	70	0.40	29.7	23.8	19.8	14.9	11.9	9.9	7.9	5.9	1.36	0.91	0.68	0.55
	M	80	0.42	31.2	24.9	20.8	15.6	12.5	10.4	8.3	6.2	1.43	0.95	0.72	0.57
	M	90	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61
	M	100	0.47	34.9	27.9	23.3	17.4	14.0	11.6	9.3	7.0	1.60	1.07	0.80	0.64
	M	115	0.51	37.9	30.3	25.2	18.9	15.1	12.6	10.1	7.6	1.74	1.16	0.87	0.70
04	VC	15	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33
	C	20	0.28	20.8	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.64	0.48	0.38
	C	30	0.35	26.0	20.8	17.3	13.0	10.4	8.7	6.9	5.2	1.19	0.80	0.60	0.48
	C	**40**	**0.40**	29.7	23.8	19.8	14.9	11.9	9.9	7.9	5.9	1.36	0.91	0.68	0.55
	C	50	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61
	C	60	0.49	36.4	29.1	24.3	18.2	14.6	12.1	9.7	7.3	1.67	1.11	0.84	0.67
	M	70	0.53	39.4	31.5	26.2	19.7	15.7	13.1	10.5	7.9	1.81	1.20	0.90	0.72
	M	80	0.57	42.3	33.9	28.2	21.2	16.9	14.1	11.3	8.5	1.94	1.30	0.97	0.78
	M	90	0.60	44.6	35.6	29.7	22.3	17.8	14.9	11.9	8.9	2.05	1.36	1.02	0.82
	M	100	0.63	46.8	37.4	31.2	23.4	18.7	15.6	12.5	9.4	2.15	1.43	1.07	0.86
	M	115	0.68	50.5	40.4	33.7	25.2	20.2	16.8	13.5	10.1	2.32	1.55	1.16	0.93
05	VC	15	0.31	23.0	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.06	0.70	0.53	0.42
	C	20	0.35	26.0	20.8	17.3	13.0	10.4	8.7	6.9	5.2	1.19	0.80	0.60	0.48
	C	30	0.43	31.9	25.5	21.3	16.0	12.8	10.6	8.5	6.4	1.47	0.98	0.73	0.59
	C	**40**	**0.50**	37.1	29.7	24.8	18.6	14.9	12.4	9.9	7.4	1.71	1.14	0.85	0.68
	C	50	0.56	41.6	33.3	27.7	20.8	16.6	13.9	11.1	8.3	1.91	1.27	0.95	0.76
	C	60	0.61	45.3	36.2	30.2	22.6	18.1	15.1	12.1	9.1	2.08	1.39	1.04	0.83
	M	70	0.66	49.0	39.2	32.7	24.5	19.6	16.3	13.1	9.8	2.25	1.50	1.13	0.90
	M	80	0.71	52.7	42.2	35.1	26.4	21.1	17.6	14.1	10.5	2.42	1.61	1.21	0.97
	M	90	0.75	55.7	44.6	37.1	27.8	22.3	18.6	14.9	11.1	2.56	1.71	1.28	1.02
	M	100	0.79	58.7	46.9	39.1	29.3	23.5	19.6	15.6	11.7	2.69	1.80	1.35	1.08
	M	115	0.85	63.1	50.5	42.1	31.6	25.2	21.0	16.8	12.6	2.90	1.93	1.45	1.16
06	XC	15	0.37	27.5	22.0	18.3	13.7	11.0	9.2	7.3	5.5	1.26	0.84	0.63	0.50
	VC	20	0.42	31.2	24.9	20.8	15.6	12.5	10.4	8.3	6.2	1.43	0.95	0.72	0.57
	C	30	0.52	38.6	30.9	25.7	19.3	15.4	12.9	10.3	7.7	1.77	1.18	0.89	0.71
	C	**40**	**0.60**	44.6	35.6	29.7	22.3	17.8	14.9	11.9	8.9	2.05	1.36	1.02	0.82
	C	50	0.67	49.7	39.8	33.2	24.9	19.9	16.6	13.3	9.9	2.28	1.52	1.14	0.91
	C	60	0.73	54.2	43.4	36.1	27.1	21.7	18.1	14.5	10.8	2.49	1.66	1.24	1.00
	M	70	0.79	58.7	46.9	39.1	29.3	23.5	19.6	15.6	11.7	2.69	1.80	1.35	1.08
	M	80	0.85	63.1	50.5	42.1	31.6	25.2	21.0	16.8	12.6	2.90	1.93	1.45	1.16
	M	90	0.90	66.8	53.5	44.6	33.4	26.7	22.3	17.8	13.4	3.07	2.05	1.53	1.23
	M	100	0.95	70.5	56.4	47.0	35.3	28.2	23.5	18.8	14.1	3.24	2.16	1.62	1.30
	M	115	1.02	75.7	60.6	50.5	37.9	30.3	25.2	20.2	15.1	3.48	2.32	1.74	1.39
08	XC	15	0.49	36.4	29.1	24.3	18.2	14.6	12.1	9.7	7.3	1.67	1.11	0.84	0.67
	XC	20	0.57	42.3	33.9	28.2	21.2	16.9	14.1	11.3	8.5	1.94	1.30	0.97	0.78
	VC	30	0.69	51.2	41.0	34.2	25.6	20.5	17.1	13.7	10.2	2.35	1.57	1.18	0.94
	C	**40**	**0.80**	59.4	47.5	39.6	29.7	23.8	19.8	15.8	11.9	2.73	1.82	1.36	1.09
	C	50	0.89	66.1	52.9	44.1	33.0	26.4	22.0	17.6	13.2	3.03	2.02	1.52	1.21
	C	60	0.98	72.8	58.2	48.5	36.4	29.1	24.3	19.4	14.6	3.34	2.23	1.67	1.34
	M	70	1.06	78.7	63.0	52.5	39.4	31.5	26.2	21.0	15.7	3.61	2.41	1.81	1.45
	M	80	1.13	83.9	67.1	55.9	42.0	33.6	28.0	22.4	16.8	3.85	2.57	1.93	1.54
	M	90	1.20	89.1	71.3	59.4	44.6	35.6	29.7	23.8	17.8	4.09	2.73	2.05	1.64
	M	100	1.26	93.6	74.8	62.4	46.8	37.4	31.2	24.9	18.7	4.30	2.86	2.15	1.72
	M	115	1.36	101	80.8	67.3	50.5	40.4	33.7	26.9	20.2	4.64	3.09	2.32	1.86

Features	
Common Use	Plant Health
Pattern	Tapered Flat Fan
Technology	Pre-Orifice
Material	Polyacetal
Spray Angle	120°
Pressure Range	15-115 PSI
Configuration	FastCap® Complete

Application Selection Guide	
Foliar Contact	Excellent
Foliar Systemic	Excellent
Soil Applied	Very Good
Drift Control	Good

Part Numbers
FastCaps® 120°
GRD120-015
GRD120-02
GRD120-025
GRD120-03
GRD120-04
GRD120-05
GRD120-06
GRD120-08

Replacement Tip Strainer	
TS02-50	50 mesh strainer for size 015-03
TS02-100	100 mesh strainer for size 04-08

Pentair® Hypro™ 3D Nozzles

PENTAIR HYPRO

PWM



- Proven to deliver up to a 10% increase in pre-emerge weed control compared to a conventional flat
- Creates the optimum droplet size for coverage; fewer droplets bounce off or drift away
- 60-75% drift reduction compared to flat fan nozzles
- Inclined spray is designed to be installed alternating forward and backward on boom to provide 3-dimensional coverage on vertical targets such as grass weeds, soil clods and broad-leaved canopies
- PWM compatible; install 3D nozzles facing the same direction when using with PWM systems at less than 30 Hz
- FastCap version utilizes the SnapLock cap technology, reducing installation torque requirement by 73%

Part	Description
AG429712	Nozzle, 3D100-015
AG429713	Nozzle, 3D100-02
AG429714	Nozzle, 3D100-025
AG429715	Nozzle, 3D100-03
AG429716	Nozzle, 3D100-035
AG429717	Nozzle, 3D100-04
AG429718	Nozzle, 3D100-05
AG429719	Nozzle, 3D100-06
AG429721	Nozzle with FastCap, FC-3D100-015
AG429722	Nozzle with FastCap, FC-3D100-02
AG429723	Nozzle with FastCap, FC-3D100-025
AG429724	Nozzle with FastCap, FC-3D100-03
AG429725	Nozzle with FastCap, FC-3D100-035
AG429726	Nozzle with FastCap, FC-3D100-04
AG429727	Nozzle with FastCap, FC-3D100-05
AG429728	Nozzle with FastCap, FC-3D100-06
AG429729	Nozzle with FastCap, FC-3D100-08

Nozzle Size	Droplet Size	Pressure (PSI)	Flow (GPM)	Speed (MPH) - 20 inch nozzle spacing										
				Gallons per Acre										
				5.0	7.5	10.0	12.5	15.0	17.5	20.0	22.5	25.0	27.5	30.0
015	C	10*	0.08	4.5	3.0	2.2	1.8	1.5	1.3	1.1	1.0	0.9	0.8	0.7
	M	15*	0.09	5.5	3.6	2.7	2.2	1.8	1.6	1.4	1.2	1.1	1.0	0.9
	M	20	0.11	6.3	4.2	3.2	2.5	2.1	1.8	1.6	1.4	1.3	1.1	1.1
	F	30	0.13	7.7	5.1	3.9	3.1	2.6	2.2	1.9	1.7	1.5	1.4	1.3
	F	40	0.15	8.9	5.9	4.5	3.6	3.0	2.5	2.2	2.0	1.8	1.6	1.5
	F	50	0.17	10.0	6.6	5.0	4.0	3.3	2.8	2.5	2.2	2.0	1.8	1.7
	F	60	0.18	10.9	7.3	5.5	4.4	3.6	3.1	2.7	2.4	2.2	2.0	1.8
	F	70	0.20	11.8	7.9	5.9	4.7	3.9	3.4	2.9	2.6	2.4	2.1	2.0
	F	80	0.21	12.6	8.4	6.3	5.0	4.2	3.6	3.2	2.8	2.5	2.3	2.1
	F	90	0.23	13.4	8.9	6.7	5.3	4.5	3.8	3.3	3.0	2.7	2.4	2.2
02	M	10*	0.10	5.9	4.0	3.0	2.4	2.0	1.7	1.5	1.3	1.2	1.1	1.0
	M	15*	0.12	7.3	4.8	3.6	2.9	2.4	2.1	1.8	1.6	1.5	1.3	1.2
	M	20	0.14	8.4	5.6	4.2	3.4	2.8	2.4	2.1	1.9	1.7	1.5	1.4
	M	30	0.17	10.3	6.9	5.1	4.1	3.4	2.9	2.6	2.3	2.1	1.9	1.7
	F	40	0.20	11.9	7.9	5.9	4.8	4.0	3.4	3.0	2.6	2.4	2.2	2.0
	F	50	0.22	13.3	8.9	6.6	5.3	4.4	3.8	3.3	3.0	2.7	2.4	2.2
	F	60	0.24	14.5	9.7	7.3	5.8	4.8	4.2	3.6	3.2	2.9	2.6	2.4
	F	70	0.26	15.7	10.5	7.9	6.3	5.2	4.5	3.9	3.5	3.1	2.9	2.6
	F	80	0.28	16.8	11.2	8.4	6.7	5.6	4.8	4.2	3.7	3.4	3.1	2.8
	F	90	0.30	17.8	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.2	3.0
025	C	10*	0.13	7.4	5.0	3.7	3.0	2.5	2.1	1.9	1.7	1.5	1.4	1.2
	M	15*	0.15	9.1	6.1	4.5	3.6	3.0	2.6	2.3	2.0	1.8	1.7	1.5
	M	20	0.18	10.5	7.0	5.3	4.2	3.5	3.0	2.6	2.3	2.1	1.9	1.8
	M	30	0.22	12.9	8.6	6.4	5.1	4.3	3.7	3.2	2.9	2.6	2.3	2.1
	M	40	0.25	14.9	9.9	7.4	5.9	5.0	4.2	3.7	3.3	3.0	2.7	2.5
	F	50	0.28	16.6	11.1	8.3	6.6	5.5	4.7	4.2	3.7	3.3	3.0	2.8
	F	60	0.31	18.2	12.1	9.1	7.3	6.1	5.2	4.5	4.0	3.6	3.3	3.0
	F	70	0.33	19.6	13.1	9.8	7.9	6.5	5.6	4.9	4.4	3.9	3.6	3.3
	F	80	0.35	21.0	14.0	10.5	8.4	7.0	6.0	5.3	4.7	4.2	3.8	3.5
	F	90	0.38	22.3	14.9	11.1	8.9	7.4	6.4	5.6	5.0	4.5	4.1	3.7
03	VC	10*	0.15	8.9	5.9	4.5	3.6	3.0	2.5	2.2	2.0	1.8	1.6	1.5
	C	15*	0.18	10.9	7.3	5.5	4.4	3.6	3.1	2.7	2.4	2.2	2.0	1.8
	M	20	0.21	12.6	8.4	6.3	5.0	4.2	3.6	3.2	2.8	2.5	2.3	2.1
	M	30	0.26	15.4	10.3	7.7	6.2	5.1	4.4	3.9	3.4	3.1	2.8	2.6
	M	40	0.30	17.8	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.2	3.0
	M	50	0.34	19.9	13.3	10.0	8.0	6.6	5.7	5.0	4.4	4.0	3.6	3.3
	F	60	0.37	21.8	14.5	10.9	8.7	7.3	6.2	5.5	4.8	4.4	4.0	3.6
	F	70	0.40	23.6	15.7	11.8	9.4	7.9	6.7	5.9	5.2	4.7	4.3	3.9
	F	80	0.42	25.2	16.8	12.6	10.1	8.4	7.2	6.3	5.6	5.0	4.6	4.2
	F	90	0.45	26.7	17.8	13.4	10.7	8.9	7.6	6.7	5.9	5.3	4.9	4.5
35	VC	10*	0.18	10.4	6.9	5.2	4.2	3.5	3.0	2.6	2.3	2.1	1.9	1.7
	C	15*	0.21	12.7	8.5	6.4	5.1	4.2	3.6	3.2	2.8	2.5	2.3	2.1
	C	20	0.25	14.7	9.8	7.4	5.9	4.9	4.2	3.7	3.3	2.9	2.7	2.5
	M	30	0.30	18.0	12.0	9.0	7.2	6.0	5.1	4.5	4.0	3.6	3.3	3.0
	M	40	0.35	20.8	13.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2	3.8	3.5
	M	50	0.39	23.2	15.5	11.6	9.3	7.7	6.6	5.8	5.2	4.6	4.2	3.9
	M	60	0.43	25.5	17.0	12.7	10.2	8.5	7.3	6.4	5.7	5.1	4.6	4.2
	M	70	0.46	27.5	18.3	13.8	11.0	9.2	7.9	6.9	6.1	5.5	5.0	4.6
	M	80	0.49	29.4	19.6	14.7	11.8	9.8	8.4	7.4	6.5	5.9	5.3	4.9
	F	90	0.53	-	20.8	15.6	12.5	10.4	8.9	7.8	6.9	6.2	5.7	5.2
04	XC	10*	0.20	11.9	7.9	5.9	4.8	4.0	3.4	3.0	2.6	2.4	2.2	2.0
	VC	15*	0.24	14.5	9.7	7.3	5.8	4.8	4.2	3.6	3.2	2.9	2.6	2.4
	C	20	0.28	16.8	11.2	8.4	6.7	5.6	4.8	4.2	3.7	3.4	3.1	2.8
	M	30	0.35	20.6	13.7	10.3	8.2	6.9	5.9	5.1	4.6	4.1	3.7	3.4
	M	40	0.40	23.8	15.8	11.9	9.5	7.9	6.8	5.9	5.3	4.8	4.3	4.0
	M	50	0.45	26.6	17.7	13.3	10.6	8.9	7.6	6.6	5.9	5.3	4.8	4.4
	M	60	0.49	29.1	19.4	14.5	11.6	9.7	8.3	7.3	6.5	5.8	5.3	4.8
	M	70	0.53	-	21.0	15.7	12.6	10.5	9.0	7.9	7.0	6.3	5.7	5.2
	M	80	0.57	-	22.4	16.8	13.4	11.2	9.6	8.4	7.5	6.7	6.1	5.6
	F	90	0.60	-	23.8	17.8	14.3	11.9	10.2	8.9	7.9	7.1	6.5	5.9
05	XC	10*	0.25	14.9	9.9	7.4	5.9	5.0	4.2	3.7	3.3	3.0	2.7	2.5
	VC	15*	0.31	18.2	12.1	9.1	7.3	6.1	5.2	4.5	4.0	3.6	3.3	3.0
	C	20	0.35	21.0	14.0	10.5	8.4	7.0	6.0	5.3	4.7	4.2	3.8	3.5
	C	30	0.43	25.7	17.1	12.9	10.3	8.6	7.3	6.4	5.7	5.1	4.7	4.3
	M	40	0.50	29.7	19.8	14.9	11.9	9.9	8.5	7.4	6.6	5.9	5.4	5.0
	M	50	0.56	-	22.1	16.6	13.3	11.1	9.5	8.3	7.4	6.6	6.0	5.5
	M	60	0.61	-	24.2	18.2	14.5	12.1	10.4	9.1	8.1	7.3	6.6	6.1
	M	70	0.66	-	26.2	19.6	15.7	13.1	11.2	9.8	8.7	7.9	7.1	6.5
	M	80	0.71	-	28.0	21.0	16.8	14.0	12.0	10.5	9.3	8.4	7.6	7.0
	M	90	0.75	-	29.7	22.3	17.8	14.9	12.7	11.1	9.9	8.9	8.1	7.4
06	XC	10*	0.30	17.8	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.2	3.0
	VC	15*	0.37	21.8	14.5	10.9	8.7	7.3	6.2	5.5	4.8	4.4	4.0	3.6
	C	20	0.42	25.2	16.8	12.6	10.1	8.4	7.2	6.3	5.6	5.0	4.6	4.2
	C	30	0.52	-	20.6	15.4	12.3	10.3	8.8	7.7	6.9	6.2	5.6	5.1
	C	40	0.60	-	23.8	17.8	14.3	11.9	10.2	8.9	7.9	7.1	6.5	5.9
	M	50	0.67	-	26.6	19.9	15.9	13.3	11.4	10.0	8.9	8.0	7.2	6.6
	M	60	0.73	-	29.1	21.8	17.5	14.5	12.5	10.9	9.7	8.7	7.9	7.3
	M	70	0.79	-	-	23.6	18.9	15.7	13.5	11.8	10.5	9.4	8.6	7.9
	M	80	0.85	-	-	25.2	20.2	16.8	14.4	12.6	11.2	10.1	9.2	8.4
	M	90	0.90	-	-	26.7	21.4	17.8	15.3	13.4	11.9	10.7	9.7	8.9
08	XC	10*	0.40	23.8	15.8	11.9	9.5	7.9	6.8	5.9	5.3	4.8	4.3	4.0
	VC	15*	0.49	29.1	19.4	14.5	11.6	9.7	8.3	7.3	6.5	5.8	5.3	4.8
	VC	20	0.57	-	22.4	16.8	13.4	11.2	9.6	8.4	7.5	6.7	6.1	5.6
	C	30	0.69	-	27.4	20.6	16.5	13.7	11.8	10.3	9.1	8.2	7.5	6.9
	C	40	0.80	-	-	23.8	19.0	15.8	13.6	11.9	10.6	9.5	8.6	7.9
	M	50	0.89	-	-	26.6	21.3	17.7	15.2	13.3	11.8	10.6	9.7	8.9
	M	60	0.98	-	-	29.1	23.3	19.4	16.6	14.5	12.9	11.6	10.6	9.7
	M	70	1.06	-	-	-	25.1	21.0	18.0	15.7	14.0	12.6	11.4	10.5
	M	80	1.13	-	-	-	26.9	22.4	19.2	16.8	14.9	13.4	12.2	11.2
	M	90	1.20	-	-	-	28.5	23.8	20.4	17.8	15.8	14.3	13.0	11.9

Droplet size based on ASABE S572.1 standard.
*For pressures lower than 15 PSI, nozzle spray angle may be reduced and will require a boom height of 30in to maintain spray distribution.

Features	
Common Use	Weed Control, Plant Health
Pattern	Alternating Tapered Flat Fans
Technology	Advanced Tapered Flat Fan
Material	Polyacetal
Spray Angle	100º
Pressure Range	10-90 PSI (0.7-6 BAR)
Configuration	Tips, SnapLock

Optimum Boom Height	
15" (35cm) Spacing	15-25" (35-60 cm)
20" (50cm) Spacing	20-30" (50-75 cm)

Part Numbers	
Tips	FastCaps
3D100-015	FC-3D100-015
3D100-02	FC-3D100-02
3D100-025	FC-3D100-025
3D100-03	FC-3D100-03
3D100-035	FC-3D100-035
3D100-04	FC-3D100-04
3D100-05	FC-3D100-05
3D100-06	FC-3D100-06
3D100-08	FC-3D100-08

Replacement Tip Strainer	
TS01-100	100# strainer for size 015-035
TS01-50	50# strainer for size 04-08

TeeJet® VisiFlo® Flat Spray Tips

Features:

- Tapered edge flat spray pattern for uniform coverage in broadcast spraying.
- VisiFlo color-coded version available in stainless steel, ceramic and polymer in 80° or 110° spray angles in selected sizes.
- Available in ceramic 80° capacities 01–02 and 110° capacities 01–015.
- Standard version (not color-coded) available in 15°, 25°, 40°, 50° and 65° spray angles in brass, stainless steel or hardened stainless steel.
- **Automatic spray alignment with 114441(A)-*- CELR Quick TeeJet® cap and gasket.**
- Automatic spray alignment for sizes 10 through 20 with 25610-*-NYR Quick TeeJet cap and gasket.

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE 80°	DROP SIZE 110°	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING — GALLONS PER ACRE (GPA) 4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	TURF APPLICATION GALLONS PER 1000 SQ. FT. 2 MPH	3 MPH	4 MPH	5 MPH
TP650050† TP800050† TP1100050† (100)	30	F	VF	0.043	5.5	3.2	2.6	2.1	1.6	1.3	1.1	0.85	0.64	0.15	0.10	0.07	0.06
	35	F	VF	0.047	6.0	3.5	2.8	2.3	1.7	1.4	1.2	0.93	0.70	0.16	0.11	0.08	0.06
	40	F	VF	0.050	6.4	3.7	3.0	2.5	1.9	1.5	1.2	0.99	0.74	0.17	0.11	0.09	0.07
	50	VF	VF	0.056	7.2	4.2	3.3	2.8	2.1	1.7	1.4	1.1	0.83	0.19	0.13	0.10	0.08
	60	VF	VF	0.061	7.8	4.5	3.6	3.0	2.3	1.8	1.5	1.2	0.91	0.21	0.14	0.10	0.08
TP650067† TP800067† TP1100067† (100)	30	F	F	0.058	7.4	4.3	3.4	2.9	2.2	1.7	1.4	1.1	0.86	0.20	0.13	0.10	0.08
	35	F	VF	0.063	8.1	4.7	3.7	3.1	2.3	1.9	1.6	1.2	0.94	0.21	0.14	0.11	0.09
	40	F	VF	0.067	8.6	5.0	4.0	3.3	2.5	2.0	1.7	1.3	0.99	0.23	0.15	0.11	0.09
	50	VF	VF	0.075	9.6	5.6	4.5	3.7	2.8	2.2	1.9	1.5	1.1	0.26	0.17	0.13	0.10
	60	VF	VF	0.082	10	6.1	4.9	4.1	3.0	2.4	2.0	1.6	1.2	0.28	0.19	0.14	0.11
TP6501†	30	F	F	0.087	11	6.5	5.2	4.3	3.2	2.6	2.2	1.7	1.3	0.30	0.20	0.15	0.12
	35	F	F	0.094	12	7.0	5.6	4.7	3.5	2.8	2.3	1.9	1.4	0.32	0.21	0.16	0.13
TP8001 TP11001 (100)	40	F	F	0.10	13	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.34	0.23	0.17	0.14
	50	F	VF	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15
	60	VF	VF	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16
TP6501†5	30	F	F	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18
	35	F	F	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
TP80015 TP110015 (100)	40	F	F	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	50	F	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	60	F	F	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
TP6502†	30	M	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	35	F	F	0.19	24	14.1	11.3	9.4	7.1	5.6	4.7	3.8	2.8	0.65	0.43	0.32	0.26
TP8002 TP11002 (50)	40	F	F	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	50	F	F	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	60	F	F	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
TP6503†	30	M	M	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
	35	M	F	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
TP8003 TP11003 (50)	40	M	F	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
	50	F	F	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
	60	F	F	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
TP6504†	30	M	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	35	M	M	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
TP8004 TP11004 (50)	40	M	F	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
	50	M	F	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
	60	F	F	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
TP6505†	30	M	M	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
	35	M	M	0.47	60	35	28	23	17.4	14.0	11.6	9.3	7.0	1.6	1.1	0.80	0.64
TP8005 TP11005 (50)	40	M	M	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68
	50	M	M	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
	60	M	M	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
TP6506†	30	C	M	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71
	35	C	M	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
TP8006 TP11006 (50)	40	M	M	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
	50	M	M	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91
	60	M	M	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99
TP6508†	30	C	M	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94
	35	C	M	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0
TP8008 TP11008 (50)	40	C	M	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1
	50	M	M	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2
	60	M	M	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3
TP6510†	30	C	M	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2
	35	C	M	0.94	120	70	56	47	35	28	23	18.6	14.0	3.2	2.1	1.6	1.3
TP8010†	40	C	M	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4
TP11010†	50	M	M	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5
	60	M	M	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7
TP6515†	30	VC	C	1.30	166	97	77	64	48	39	32	26	19.3	4.4	2.9	2.2	1.8
	35	C	C	1.40	179	104	83	69	52	42	35	28	21	4.8	3.2	2.4	1.9
TP8015†	40	C	C	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0
TP11015†	50	C	M	1.68	215	125	100	83	62	50	42	33	25	5.7	3.8	2.9	2.3
	60	C	M	1.84	236	137	109	91	68	55	46	36	27	6.3	4.2	3.1	2.5
TP6520†	30	VC	VC	1.73	221	128	103	86	64	51	43	34	26	5.9	3.9	2.9	2.4
	35	C	VC	1.87	239	139	111	93	69	56	46	37	28	6.4	4.2	3.2	2.5
TP8020†	40	C	C	2.00	256	149	119	99	74	59	50	40	30	6.8	4.5	3.4	2.7
TP11020†	50	C	C	2.24	287	166	133	111	83	67	55	44	33	7.6	5.1	3.8	3.0
	60	C	C	2.45	314	182	146	121	91	73	61	49	36	8.3	5.6	4.2	3.3

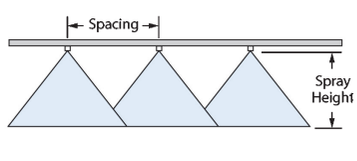
Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change. Tabulations are based on spraying water at 70°F. See technical information for droplet size classification, useful formulas and other technical information.

†Available in brass and/or stainless steel and/or hardened stainless steel.

Very Fine · Fine · Medium · Coarse · Very Coarse · Extremely Coarse







Optimum Spray Height

	20"
65°	35"
80°	30"
110°	20"

80° VisiFlo® Spray Tips

Part	Description
AG054404	80015-VP Tip
AG054405	8002-VP Tip
AG054406	8003-VP Tip
AG054407	8004-VP Tip
AG054408	8005-VP Tip
AG054410	8008-VP Tip
6641237	8001-VS Tip - Orange
6641251	80015-VS Tip - Green
6641239	8002-VS Tip - Yellow
AG006472	8003-VS Tip - Blue
6641243	8004-VS Tip - Red
AG006474	8005-VS Tip - Brown
6641247	TIP/25

110° VisiFlo Spray Tips

Part	Description
AG007658	11001-VS Tip - Orange
AG007673	110015-VS Tip - Green
AG007672	11002-VS Tip - Yellow
AG007671	11003-VS Tip - Blue
AG007670	11004-VS Tip - Red
AG007669	11005-VS Tip - Brown
AG007668	11006-VS Tip - Gray
AG006044	11008-VS Tip - White

65°, 80°, and 110° Stainless Steel Flat-Spray Tips

Part	Description
AG007630	650067 Stainless Steel Tip
AG006136	6501 Stainless Steel Tip
AG005779	65015 Stainless Steel Tip
AG001382	6502 Stainless Steel Tip
AG001385	6503 Stainless Steel Tip
AG006066	6505 Stainless Steel Tip
AG001392	6508 Stainless Steel Tip
AG002606	6510 Stainless Steel Tip
AG007569	800067 Stainless Steel Tip
AG001399	8001 Stainless Steel Tip
AG001403	80015 Stainless Steel Tip
AG001408	8002 Stainless Steel Tip
AG001414	8003 Stainless Steel Tip
AG001420	8004 Stainless Steel Tip
AG001428	8005 Stainless Steel Tip
AG001434	8006 Stainless Steel Tip
AG001441	8008 Stainless Steel Tip
AG001446	8010 Stainless Steel Tip
AG001449	8015 Stainless Steel Tip
AG001452	8020 Stainless Steel Tip
AG007676	11001 Stainless Steel Tip
AG005785	11002 Stainless Steel Tip
AG005786	11003 Stainless Steel Tip
AG001365	11004 Stainless Steel Tip
AG002617	11005 Stainless Steel Tip
AG006043	11006 Stainless Steel Tip
AG008593	11008 Stainless Steel Tip
AG007665	11010 Stainless Steel Tip
AG008808	11015 Stainless Steel Tip
AG007666	11020 Stainless Steel Tip

65°, 80°, and 110° Brass Flat-Spray Tips

Part	Description
AG007631	650067 Brass Tip
AG002626	6501 Brass Tip
AG001381	6502 Brass Tip
AG001383	6503 Brass Tip
AG001386	6504 Brass Tip
AG001389	6505 Brass Tip
AG001390	6506 Brass Tip
AG001391	6508 Brass Tip
AG001395	6515 Brass Tip
AG002533	6520 Brass Tip
6641236	8001 Brass Tip
6641250	80015 Brass Tip
6641238	8002 Brass Tip
6641240	8003 Brass Tip
6641242	8004 Brass Tip
AG001432	8006 Brass Tip
6641248	8008 Brass Tip
AG001445	8010 Brass Tip
AG001451	8015 Brass Tip
AG001987	8020 Brass Tip
AG005231	8030 Brass Tip
AG427510	8040 Brass Tip
AG053707	8050 Brass Tip
AG427511	8060 Brass Tip
AG007629	11001 Brass Tip
AG007675	110015 Brass Tip
AG005499	11002 Brass Tip
AG006914	11003 Brass Tip
AG002545	11004 Brass Tip
AG006628	11005 Brass Tip
AG006204	11006 Brass Tip
AG006068	11008 Brass Tip
AG002618	11010 Brass Tip
AG005967	11015 Brass Tip

Caps for VisiFlo Brass, Stainless Steel, Flat-Spray Tips (Small Capacities)

_ _ 01 through _ _ 08.

Part	Description
ACP0484450	Nozzle Cap with Gasket - Black
ACP0484460	Nozzle Cap with Gasket - White
ACP0484470	Nozzle Cap with Gasket - Red
ACP0484480	Nozzle Cap with Gasket - Blue
ACP0484490	Nozzle Cap with Gasket - Green
ACP0484500	Nozzle Cap with Gasket - Yellow
ACP0484510	Nozzle Cap with Gasket - Brown
ACP0484520	Nozzle Cap with Gasket - Orange
ACP0484530	Nozzle Cap with Gasket - Gray
ACP0484540	Nozzle Cap with Gasket - Violet

Caps for VisiFlo® Brass, Stainless Steel Flat-Spray Tips (Larger Capacities)

_ _ 10 through _ _ 20.

Part	Description
AG055180	Black with Gasket
AG055212	White with Gasket
AG055211	Red with Gasket
AG055210	Blue with Gasket
AG055209	Green with Gasket
AG055208	Yellow with Gasket
AG055207	Brown with Gasket
AG055206	Orange with Gasket

Drift Guard Twin Jet

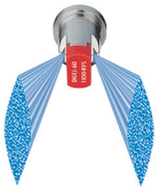
DG TeeJet Drift Guard Spray Tip.

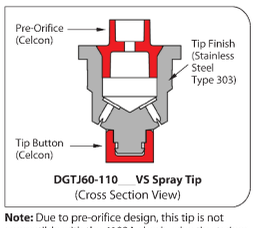
Features:

- Pre-orifice design produces larger droplets and reduces the small drift-prone droplets, minimizing off-target application
- 110° Tapered-edge flat-spray pattern provides uniform coverage when adjacent nozzle patterns are overlapped in broadcast spraying
- The color-coded pre-orifice is removable for any necessary cleaning operations
- Made of stainless steel with VisiFlo® color coding for excellent chemical and wear resistance.
- Available in six capacities with a recommended pressure range of 30-60 PSI (2–4 bar).
- Automatic spray alignment when used with 11443-*-CELR Quick TeeJet® cap and gasket.

Part	Description
AG426255	DGTJ60-110015VS
AG426256	DGTJ60-11002VS
AG426257	DGTJ60-11003VS
AG426336	DGTJ60-11004VS
AG426258	DGTJ60-11006VS

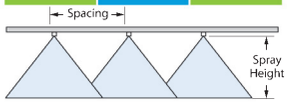




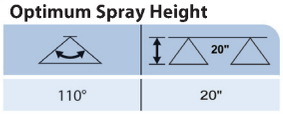


Note: Due to pre-orifice design, this tip is not compatible with the 4193A check valve tip strainer.

CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
VERY GOOD	EXCELLENT	VERY GOOD



Optimum Spray Height



TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING GALLONS PER ACRE (GPA) 4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	TURF APPLICATION GALLONS PER 1000 SQ. FT. 2 MPH	3 MPH	4 MPH	5 MPH
DGTJ60-110015 (100)	30	M	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18
	35	M	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
	40	F	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	50	F	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	60	F	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
DGTJ60-11002 (100)	30	M	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	35	M	0.19	24	14.1	11.3	9.4	7.1	5.6	4.7	3.8	2.8	0.65	0.43	0.32	0.26
	40	M	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	50	M	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	60	M	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
DGTJ60-11003 (100)	30	M	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
	35	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	40	M	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
	50	M	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
	60	M	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
DGTJ60-11004 (50)	30	C	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	35	C	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
	40	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
	50	M	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
	60	M	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
DGTJ60-11006 (50)	30	C	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71
	35	C	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
	40	C	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
	50	M	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91
	60	M	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99
DGTJ60-11008 (50)	30	C	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94
	35	C	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0
	40	C	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1
	50	M	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2
	60	M	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change. Tabulations are based on spraying water at 70°F. See technical information for droplet size classification, useful formulas and other technical information.

Very Fine · Fine · Medium · Coarse · Very Coarse · Extremely Coarse

TwinJet® VisiFlo® Flat-Spray Tips 65°, 80°, and 110° Series

Part	Description
AG050323	TJ60-6502 VS - Yellow
AG050342	TJ60-6506 VS - Gray
AG050334	TJ60-8002 VS - Yellow
AG428733	TJ60-8005 VS - Brown
AG050343	TJ60-8006 VS - Gray
AG050328	TJ60-8010 VS - L. Blue
AG050338	TJ60-11003 VS - Blue
AG427022	TJ60-11005 VS - Brown
AG050327	TJ60 11008 VS - White
AG050329	TJ60-11010 VS - L. Blue

TIP NO. (strainer screen size) 65°, 80° AND 110° SERIES	Liquid Pressure in PSI	Capacity 1 Nozzle in GPM	GALLONS PER ACRE 20" NOZZLE SPACING 5 MPH	6 MPH	7 MPH	8 MPH	30" NOZZLE SPACING 5 MPH	6 MPH	7 MPH	8 MPH
TJ60-650134 (100 Mesh)	30	.12	6.9	5.7	4.9	4.3	4.6	3.8	3.3	2.9
	40	.13	8.0	6.6	5.7	5.0	5.3	4.4	3.8	3.3
	50	.15	8.9	7.4	6.4	5.6	5.9	4.9	4.2	3.7
	60	.16	9.7	8.1	7.0	6.1	6.5	5.4	4.6	4.1
TJ60-6502 TJ60-8002 **TJ60-11002** (100 Mesh)	30	.17	10.3	8.6	7.3	6.4	6.9	5.7	4.9	4.3
	40	.20	11.9	9.9	8.5	7.4	7.9	6.6	5.7	4.9
	50	.22	13.3	11.1	9.5	8.3	8.9	7.4	6.3	5.5
	60	.24	14.6	12.1	10.4	9.1	9.7	8.1	6.9	6.1
TJ60-6503 TJ60-8003 TJ60-11003 (100 Mesh)	30	.26	15.4	12.9	11.0	9.6	10.3	8.6	7.3	6.4
	40	.30	17.8	14.9	12.7	11.1	11.9	9.9	8.5	7.4
	50	.34	19.9	16.6	14.2	12.5	13.3	11.1	9.5	8.3
	60	.37	22	18.2	15.6	13.6	14.6	12.1	10.4	9.1
TJ60-6504 TJ60-8004 TJ60-11004 (50 Mesh)	30	.35	21	17.1	14.7	12.9	13.7	11.4	9.8	8.6
	40	.40	24	19.8	17.0	14.8	15.8	13.2	11.3	9.9
	50	.45	27	22	19.0	16.6	17.7	14.8	12.7	11.1
	60	.49	29	24	21	18.2	19.4	16.2	13.9	12.1
TJ60-6506 TJ60-8006 TJ60-11006 (50 Mesh)	30	.52	31	26	22	19.3	21	17.1	14.7	12.9
	40	.60	36	30	25	22	24	19.8	17.0	14.8
	50	.67	40	33	28	25	27	22	19.0	16.6
	60	.73	44	36	31	27	29	24	21	18.2
TJ60-6508 TJ60-8008 TJ60-11008 (50 Mesh)	30	.69	41	34	29	26	27	23	19.6	17.1
	40	.80	48	40	34	30	32	26	23	19.8
	50	.89	53	44	38	33	35	30	25	22
	60	.98	58	49	42	36	39	32	28	24

Caps For TwinJet Spray Tips

Part	Description
ACP0484550	Nozzle Cap with Gasket - Black
ACP0484560	Nozzle Cap with Gasket - White
ACP0484570	Nozzle Cap with Gasket - Red
ACP0484580	Nozzle Cap with Gasket - Blue
ACP0484590	Nozzle Cap with Gasket - Green
ACP0484600	Nozzle Cap with Gasket - Yellow
ACP0484610	Nozzle Cap with Gasket - Brown
ACP0484620	Nozzle Cap with Gasket - Orange
ACP0484630	Nozzle Cap with Gasket - Gray
ACP0484640	Nozzle Cap with Gasket - Violet

DG TeeJet® Drift Guard Twin Flat Spray Tips

DG TeeJet 80° Spray Tips



Drift Guard flat-spray tips are designed with a Celcon® pre-orifice that produces large droplets to reduce drift. The tip holder is color-coded Celcon® and the actual spray orifice is stainless steel to provide excellent resistance to corrosive solutions. Due to their flat-spray, tapered-edge pattern, these nozzles should be positioned to overlap adjacent nozzle patterns by a minimum of 30%.

Applications:

- For pre-emergence surface-applied herbicides using minimum 30 PSI pressure
- For post-emergence systemic herbicides using minimum 30 PSI pressure

Part	Description
AG052247	80015VS DG Tip - Green
AG052246	8002VS DG Tip - Yellow
AG052245	8003VS DG Tip - Blue
AG052244	8004VS DG Tip - Red
AG052243	8005VS DG Tip - Brown

DG TeeJet 110° Spray Tips

Part	Description
AG052241	11002VS DG Tip - Yellow
AG052240	11003VS DG Tip - Blue
AG052239	11004VS DG Tip - Red
AG052238	11005VS DG Tip - Brown

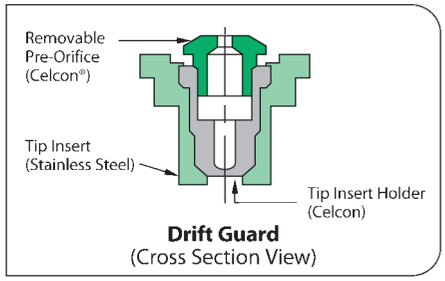
Caps for DG TeeJet Tips

For DG tips _ _ 015 through _ _ 05.

Part	Description
ACP0484450	Nozzle Cap with Gasket - Black
ACP0484460	Nozzle Cap with Gasket - White
ACP0484470	Nozzle Cap with Gasket - Red
ACP0484480	Nozzle Cap with Gasket - Blue
ACP0484490	Nozzle Cap with Gasket - Green
ACP0484500	Nozzle Cap with Gasket - Yellow
ACP0484510	Nozzle Cap with Gasket - Brown
ACP0484520	Nozzle Cap with Gasket - Orange
ACP0484530	Nozzle Cap with Gasket - Gray
ACP0484540	Nozzle Cap with Gasket - Violet





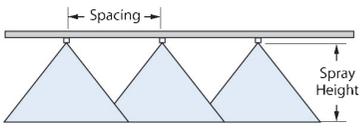


Note: Due to the pre-orifice design, this tip is not compatible with the 4193B check valve tip strainer.

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE 80°	DROP SIZE 110°	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING — GALLONS PER ACRE (GPA) 4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	TURF APPLICATION GALLONS PER 1000 SQ. FT. 2 MPH	3 MPH	4 MPH	5 MPH
DG80015† DG110015 (100)	30	M	M	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18
	35	M	M	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
	40	F	M	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	50	F	M	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	60	F	F	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
DG8002† DG11002 (50)	30	C	C	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	35	M	C	0.19	24	14.1	11.3	9.4	7.1	5.6	4.7	3.8	2.8	0.65	0.43	0.32	0.26
	40	M	M	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	50	M	M	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	60	M	M	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
DG8003† DG11003 (50)	30	C	C	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
	35	M	C	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	40	M	M	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
	50	M	M	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
	60	M	M	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
DG8004† DG11004 (50)	30	C	C	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	35	M	C	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
	40	M	M	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
	50	M	M	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
	60	M	M	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
DG8005† DG11005 (50)	30	C	C	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
	35	C	C	0.47	60	35	28	23	17.4	14.0	11.6	9.3	7.0	1.6	1.1	0.80	0.64
	40	C	C	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68
	50	M	M	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
	60	M	M	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change. Tabulations are based on spraying water at 70°F. See technical information for droplet size classification, useful formulas and other technical information.

†Available in VisiFlo stainless steel only.



Optimum Spray Height

	20"
80°	30"
110°	20"

Very Fine · Fine · Medium · Coarse · Very Coarse · Extremely Coarse

Off-Center Brass Flat-Spray Tips



TeeJet off-center spray tips are commonly installed in double- and single-swivel nozzle bodies. Because these bodies are adjustable for angular position, a wide spray swath is easily obtained. See “Swivel Nozzle Bodies.”

Nozzle Size	Liquid Pressure in psi	Nozzle Capacity in GPM	SPRAYING HEIGHT "H"=18"				SPRAYING HEIGHT "H"=24"			
			"W" Inches	GALLONS PER ACRE*			"W" Inches	GALLONS PER ACRE*		
				3 MPH	4 MPH	5 MPH		3 MPH	4 MPH	5 MPH
OC-02	30	.17	68	4.9	3.7	3.0	75	4.5	3.4	2.7
	40	.20	70	5.6	4.2	3.4	77	5.1	3.9	3.1
	60	.25	72	6.9	5.1	4.1	78	6.3	4.7	3.8
OC-03	30	.26	77	6.7	5.0	4.0	80	6.4	4.8	3.9
	40	.30	80	7.5	5.6	4.5	83	7.1	5.3	4.3
	60	.37	82	8.9	6.7	5.3	85	8.6	6.3	5.2
OC-04	30	.35	91	7.6	5.7	4.6	93	7.4	5.6	4.5
	40	.40	93	8.5	6.4	5.1	94	8.4	6.3	5.1
	60	.49	94	10.5	7.7	6.2	95	10.2	7.6	6.1
OC-06	30	.52	99	10.4	7.8	6.2	108	9.5	7.1	5.7
	40	.60	101	11.7	8.8	7.0	110	10.8	8.1	6.5
	60	.73	102	14.2	10.6	8.5	111	13.0	9.8	7.8
OC-08	30	.69	100	13.6	10.2	8.2	110	12.4	9.3	7.4
	40	.80	102	15.5	11.6	9.3	112	14.1	10.6	8.5
	60	.98	104	18.6	14.0	11.2	113	17.2	12.9	10.4
OC-12	30	1.0	102	20	15.1	12.1	113	18.2	13.7	10.9
	40	1.2	104	23	17.1	13.7	115	21	15.5	12.4
	60	1.5	105	28	21	16.6	116	25	18.8	15.1
OC-16	30	1.4	132	21	15.7	12.5	142	19.4	14.6	11.6
	40	1.6	138	23	17.2	13.8	146	22	16.3	13.0
	60	2.0	143	27	20	16.2	148	26	19.7	15.7

Part	Description
AG001339	OC-02 Brass Tip
AG001340	OC-03 Brass Tip
AG001341	OC-04 Brass Tip
6610348	OC-06 Brass Tip
6610342	OC-08 Brass Tip
6610343	OC-12 Brass Tip
AG001345	OC-16 Brass Tip

Off-Center Stainless Steel Flat-Spray Tips

Part	Description
AG008939	OC-03 Stainless Steel Tip
AG002604	OC-04 Stainless Steel Tip
AG002584	OC-06 Stainless Steel Tip
AG002582	OC-08 Stainless Steel Tip
AG008941	OC-12 Stainless Steel Tip

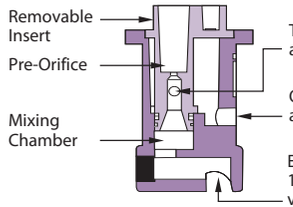


GatorGuide

Sprayer calibration tools can be found in the Nozzle Accessories section.

PWM Turbo TeeJet Induction

- Excellent for spraying post-emergence systemic herbicides
- Very good for spraying pre-emergence surface-applied herbicides



TTI110___-VP Spray Tip
(Cross Section View)

Note: Due to pre-orifice design, this tip is not compatible with the 4193A check valve tip strainer.

Part	Description
AG426485	Nozzle TTI110015-VP
AG426486	Nozzle TTI11002-VP
AG426244	Nozzle TTI110025-VP
AG426245	Nozzle TTI11003-VP
AG426246	Nozzle TTI11004-VP
AG426247	Nozzle TTI11005-VP
AG426487	Nozzle TTI11006-VP
ACP0484550	Nozzle Cap with Gasket - Black
ACP0484560	Nozzle Cap with Gasket - White
ACP0484570	Nozzle Cap with Gasket - Red
ACP0484580	Nozzle Cap with Gasket - Blue
ACP0484590	Nozzle Cap with Gasket - Green
ACP0484600	Nozzle Cap with Gasket - Yellow
ACP0484610	Nozzle Cap with Gasket - Brown
ACP0484620	Nozzle Cap with Gasket - Orange
ACP0484630	Nozzle Cap with Gasket - Gray
ACP0484640	Nozzle Cap with Gasket - Violet
AG429032	TTI 11008-VP-CE - White, Assembly*
AG429033	TTI 11010-VP-CE - Light Blue, Assembly*

Priced Per Piece. Pack Qty. 25

*Assembly includes nozzle, cap and gasket

Typical Applications:

Extremely coarse droplet size provides the best drift control possible and is ideal for soil-applied and post-emerge systemic products, including dicamba.

Features:

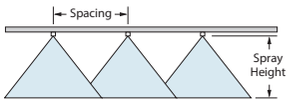
- 110° wide angle, air induction, tapered flat-spray tip pattern based on the patented outlet orifice design of the original Turbo TeeJet® nozzle.
- Patented orifice design provides large, round passages to minimize plugging.
- Depending on the chemical, produces large air-filled drops through a Venturi air aspirator, resulting in less drift.
- All polymer construction for excellent chemical and wear resistance.
- Compact size to prevent tip damage.
- Removable pre-orifice.
- Ideal for use with automatic sprayer controllers.
- Wide operating pressure range: 15–100 PSI (1–7 bar).
- Automatic spray alignment with 114443(A)-*-CELR Quick TeeJet cap and gasket for capacities 015 through 06; 114502(A)-*-CELR for capacities 08 and 10.



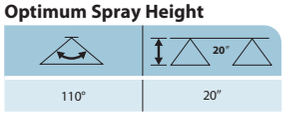
CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
—	EXCELLENT	EXCELLENT

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING — GALLONS PER ACRE (GPA) 4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	TURF APPLICATION GALLONS PER 1000 SQ. FT. 2 MPH	3 MPH	4 MPH	5 MPH
TTI11001 (100)	15	UC	0.061	7.8	4.5	3.6	3.0	2.3	1.8	1.5	1.2	0.91	0.21	0.14	0.10	0.08
	20	UC	0.071	9.1	5.3	4.2	3.5	2.6	2.1	1.8	1.4	1.1	0.24	0.16	0.12	0.10
	30	UC	0.087	11	6.5	5.2	4.3	3.2	2.6	2.2	1.7	1.3	0.30	0.20	0.15	0.12
	40	XC	0.10	13	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.34	0.23	0.17	0.14
	50	XC	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15
	60	VC	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16
	70	VC	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18
	80	VC	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
	90	VC	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	100	C	0.16	20	11.9	9.5	7.9	5.9	4.8	4.0	3.2	2.4	0.54	0.36	0.27	0.22
TTI110015 (100)	15	UC	0.092	12	6.8	5.5	4.6	3.4	2.7	2.3	1.8	1.4	0.31	0.21	0.16	0.13
	20	UC	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15
	30	UC	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18
	40	XC	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	50	XC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	60	VC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
	70	VC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	80	VC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
	90	VC	0.23	29	17.1	13.7	11.4	8.5	6.8	5.7	4.6	3.4	0.78	0.52	0.39	0.31
	100	VC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
TTI11002 (50)	15	UC	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16
	20	UC	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
	30	UC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	40	XC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	50	XC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	60	XC	0.24	31	17.8	14.2	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
	70	VC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
	80	VC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	90	VC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
	100	VC	0.32	41	24	19.0	15.8	11.9	9.5	7.9	6.3	4.8	1.1	0.73	0.54	0.44
TTI110025 (50)	15	UC	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	20	UC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
	30	UC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	40	XC	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
	50	XC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	60	XC	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
	70	VC	0.33	42	25	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.1	0.75	0.56	0.45
	80	VC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	90	VC	0.38	48	28	22	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52
	100	VC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
TTI11003 (50)	15	UC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
	20	UC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
	30	UC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
	40	XC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
	50	XC	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
	60	XC	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
	70	VC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
	80	VC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57
	90	VC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
	100	VC	0.47	60	35	28	23	17.4	14.0	11.6	9.3	7.0	1.6	1.1	0.80	0.64
TTI11004 (50)	15	UC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
	20	UC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	30	UC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	40	XC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
	50	XC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
	60	XC	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
	70	VC	0.53	68	39	31	26	19.7	15.7	13.1	10.5	7.9	1.8	1.2	0.90	0.72
	80	VC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78
	90	VC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
	100	VC	0.63	81	47	37	31	23	18.7	15.6	12.5	9.4	2.1	1.4	1.1	0.86
TTI11005 (50)	15	UC	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
	20	UC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	30	UC	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
	40	XC	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68
	50	XC	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
	60	XC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
	70	VC	0.66	84	49	39	33	25	19.6	16.3	13.1	9.8	2.2	1.5	1.1	0.90
	80	VC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97
	90	VC	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0
	100	VC	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1
TTI11006 (50)	15	UC	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
	20	UC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57
	30	UC	0.52	67	39	31	26	19.5	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71
	40	XC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
	50	XC	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91
	60	VC	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99
	70	VC	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1
	80	VC	0.85	109	63	50	42	32	25	21	16.8	12.6	2.9	1.9	1.4	1.2
	90	VC	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2
	100	C	0.95	122	71	56	47	35	28	24	18.8	14.1	3.2	2.2	1.6	1.3
TTI11008 (50)	15	UC	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
	20	UC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78
	30	UC	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94
	40	XC	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1
	50	XC	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2
	60	VC	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.4
	70	VC	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4
	80	VC	1.13	145	84	67	56	42	34	28	22	16.8	3.8	2.6	1.9	1.5
	90	VC	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6
	100	C	1.26	161	94	75	62	47	38	31	25	18.7	4.3	2.9	2.1	1.7
TTI11010	15	UC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
	20	UC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97
	30	UC	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2
	40	XC	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4
	50	XC	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5
	60	VC	1.22	156	91	72	60	45	36	30	24	18.1	4.2	2.8	2.1	1.7
	70	VC	1.32	169	98	78	65	49	39	33	26	19.6	4.5	3.0	2.2	1.8
	80	VC	1.41	180	105	84	70	52	42	35	28	21	4.8	3.2	2.4	1.9
	90	VC	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0
	100	C	1.58	202	117	94	78	59	47	39	31	23	5.4	3.6	2.7	2.2

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change. Tabulations are based on spraying water at 70°F. See technical information for droplet size classification, useful formulas and other technical information.



Optimum Spray Height



How to order:

Specify tip number.
Example:
TTI11004-VP – Polymer with VisiFlo® color coding
TTI11003-VP-CE – Polymer with VisiFlo color coding, includes Quick TeeJet cap and gasket

PWM TTI TwinJet

Part	Description
AG429163	Nozzle, TTI TwinJet TTI60-11002VP
AG429164	Nozzle, TTI TwinJet TTI60-110025VP
AG429165	Nozzle, TTI TwinJet TTI60-11003VP
AG429166	Nozzle, TTI TwinJet TTI60-11004VP
AG429167	Nozzle, TTI TwinJet TTI60-11005VP
AG429168	Nozzle, TTI TwinJet TTI60-11006VP
AG429169	Nozzle, TTI TwinJet TTI60-11008VP

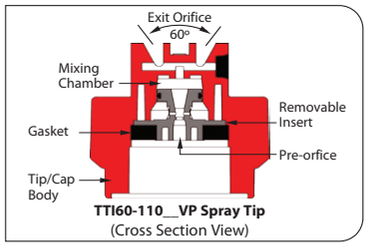
TTI TwinJet® Twin Flat Spray Tips

Typical Applications:

Extremely coarse droplet size provides the best drift control possible, with minimal driftable fines and a twin spray pattern for improved coverage. Ideal for post-emerge systemic products, including dicamba.

Features:

- 110° wide angle, air induction, twin tapered flat spray tip pattern based on the patented outlet orifice design of the original Turbo TeeJet® nozzle.
- 60º angle between leading and trailing patterns for increased canopy coverage and penetration.
- Depending on the chemical, produces large air-filled drops through a Venturi air aspirator resulting in less drift.
- All polymer construction for excellent chemical and wear resistance.



TTI60-110__VP Spray Tip
(Cross Section View)

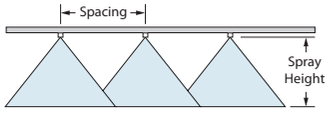
- All-in-one molded nozzle and Quick TeeJet® cap design allows for quick installation and automatic spray alignment.
- Removable pre-orifice for fast and easy cleaning.
- Wide operating pressure range: 20–100 PSI (1.5–7 bar).



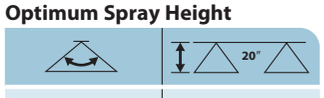
TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING — GALLONS PER ACRE (GPA)								TURF APPLICATION GALLONS PER 1000 SQ. FT.			
					4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
TTI60-11002VP (50)	20	UC	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
	30	XC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	40	XC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	50	VC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	60	VC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
	70	VC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
	80	C	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	90	C	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
	100	C	0.32	41	24	19.0	15.8	11.9	9.5	7.9	6.3	4.8	1.1	0.73	0.54	0.44
TTI60-110025VP (50)	20	UC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
	30	XC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	40	XC	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
	50	VC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	60	VC	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
	70	VC	0.33	42	25	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.1	0.75	0.56	0.45
	80	C	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	90	C	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52
	100	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
TTI60-11003VP (50)	20	UC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
	30	XC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
	40	XC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
	50	XC	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
	60	XC	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
	70	VC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
	80	VC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57
	90	VC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
	100	VC	0.47	60	35	28	23	17.4	14.0	11.6	9.3	7.0	1.6	1.1	0.80	0.64
TTI60-11004VP (50)	20	UC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	30	UC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	40	XC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
	50	XC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
	60	XC	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
	70	VC	0.53	68	39	31	26	19.7	15.7	13.1	10.5	7.9	1.8	1.2	0.90	0.72
	80	VC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78
	90	VC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
	100	VC	0.63	81	47	37	31	23	18.7	15.6	12.5	9.4	2.1	1.4	1.1	0.86
TTI60-11005VP (50)	20	UC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	30	UC	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
	40	XC	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68
	50	XC	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
	60	XC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
	70	VC	0.66	84	49	39	33	25	19.6	16.3	13.1	9.8	2.2	1.5	1.1	0.90
	80	VC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97
	90	VC	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0
	100	VC	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1
TTI60-11006VP (50)	20	UC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57
	30	UC	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71
	40	XC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
	50	XC	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91
	60	XC	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99
	70	VC	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1
	80	VC	0.85	109	63	50	42	32	25	21	16.8	12.6	2.9	1.9	1.4	1.2
	90	VC	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2
	100	VC	0.95	122	71	56	47	35	28	24	18.8	14.1	3.2	2.2	1.6	1.3
TTI60-11008VP (50)	20	UC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78
	30	UC	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94
	40	XC	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.09
	50	XC	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2
	60	XC	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3
	70	VC	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4
	80	VC	1.13	145	84	67	56	42	34	28	22	16.8	3.8	2.6	1.9	1.5
	90	VC	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6
	100	VC	1.26	161	94	75	62	47	37	31	25	18.7	4.3	2.9	2.1	1.7

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change. Tabulations are based on spraying water at 70°F. See technical information for droplet size classification, useful formulas and other technical information.

CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
—	EXCELLENT	EXCELLENT



Optimum Spray Height



110°	20"

How to order:

Specify tip number.
Example:
TTI60-11004VP – Polymer with VisiFlo color coding, includes Quick TeeJet cap and gasket

Air Induction Turbo TwinJet® Twin Flat Spray Tips



Note: Tabulations are based on spraying water. Always double-check your application rates.
***Note recommended spraying pressure for each nozzle type.**

Air Induction Turbo TwinJet (AITTJ60-110_ _-VP) available in 02 through 10
Turbo TwinJet (TTJ60-110_ _-VP) available in 02 through 10

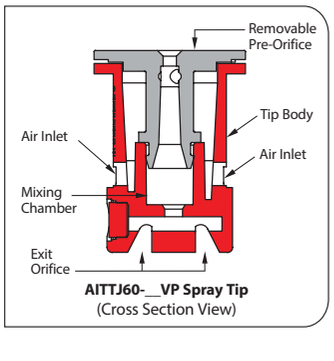
- Air induction with dual 110° flat fan patterns
- 60° between leading and trailing spray patterns
- Good coverage with increased canopy penetration and best drift control
- Best suited for post-emergence applications
- Excellent drift control with coarse to very coarse droplets
- Available in six VisiFlo® color-coded capacities (02 through 10)—color represents total flow
- Pressure ranges from 20–90 PSI (1.5–6 bar)
- Automatic spray alignment when used with 114443-*-CELR (02-06 or 114502-*-CELR (08-15) Quick TeeJet® cap and gasket.

Part	Description
AG427682	AITTJ60-11002-VP - Yellow
AG427683	AITTJ60-110025-VP - Violet
AG427684	AITTJ60-11003-VP - Blue
AG427685	AITTJ60-11004-VP - Red
AG427686	AITTJ60-11005-VP - Brown
AG427687	AITTJ60-11006-VP - Gray
AG428696	AITTJ60-11008-VP - White
AG428697	AITTJ60-11010-VP - Light Blue
AG429685	AITTJ60-11015-VP - Green
ACP0484550	Nozzle Cap with Gasket - Black
ACP0484560	Nozzle Cap with Gasket - White
ACP0484570	Nozzle Cap with Gasket - Red
ACP0484580	Nozzle Cap with Gasket - Blue
ACP0484590	Nozzle Cap with Gasket - Green
ACP0484600	Nozzle Cap with Gasket - Yellow
ACP0484610	Nozzle Cap with Gasket - Brown
ACP0484620	Nozzle Cap with Gasket - Orange
ACP0484630	Nozzle Cap with Gasket - Gray
ACP0484640	Nozzle Cap with Gasket - Violet
AG428547	Nozzle Cap with Gasket (For Sizes 08, 10 and 15)

Priced Per Piece. Pack Qty. 25

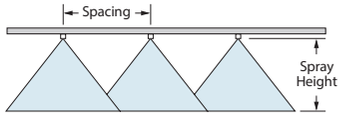
TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING — GALLONS PER ACRE (GPA) 4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	TURF APPLICATION GALLONS PER 1000 SQ. FT. 2 MPH	3 MPH	4 MPH	5 MPH
AITTJ60-11002VP (100)	20	XC	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
	30	VC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	40	VC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	50	C	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	60	C	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
	70	C	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
	80	C	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	90	M	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
AITTJ60-110025VP (100)	20	XC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
	30	VC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	40	VC	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
	50	VC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	60	C	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
	70	C	0.33	42	25	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.1	0.75	0.56	0.45
	80	C	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	90	C	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52
AITTJ60-11003VP (50)	20	XC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
	30	XC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
	40	VC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
	50	VC	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
	60	C	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
	70	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
	80	C	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57
	90	C	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
AITTJ60-11004VP (50)	20	XC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	30	XC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	40	VC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
	50	VC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
	60	C	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
	70	C	0.53	68	39	31	26	19.7	15.7	13.1	10.5	7.9	1.8	1.2	0.90	0.72
	80	C	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78
	90	C	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
AITTJ60-11005VP (50)	20	UC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	30	XC	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
	40	VC	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68
	50	VC	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
	60	VC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
	70	C	0.66	84	49	39	33	25	19.6	16.3	13.1	9.8	2.2	1.5	1.1	0.90
	80	C	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97
	90	C	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0
AITTJ60-11006VP (50)	20	UC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57
	30	XC	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71
	40	VC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
	50	VC	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91
	60	VC	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99
	70	C	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1
	80	C	0.85	109	63	50	42	32	25	21	16.8	12.6	2.9	1.9	1.4	1.2
	90	C	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2
AITTJ60-11008VP (50)	20	UC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78
	30	XC	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94
	40	XC	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.09
	50	XC	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2
	60	VC	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3
	70	VC	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4
	80	VC	1.13	145	84	67	56	42	34	28	22	16.8	3.8	2.6	1.9	1.5
	90	VC	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6
AITTJ60-11010VP (50)	20	UC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97
	30	XC	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2
	40	XC	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4
	50	XC	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5
	60	VC	1.22	156	91	72	60	45	36	30	24	18.1	4.1	2.8	2.1	1.7
	70	VC	1.32	169	98	78	65	49	39	33	26	19.6	4.5	3.0	2.2	1.8
	80	VC	1.41	180	105	84	70	52	42	35	28	21	4.8	3.2	2.4	1.9
	90	VC	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0
AITTJ60-11015VP (50)	20	UC	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4
	30	XC	1.30	166	97	77	64	48	39	32	26	19.3	4.4	2.9	2.2	1.8
	40	XC	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0
	50	XC	1.68	215	125	100	83	62	50	42	33	25	5.7	3.8	2.9	2.3
	60	VC	1.84	236	137	109	91	68	55	46	36	27	6.3	4.2	3.1	2.5
	70	VC	1.98	253	147	118	98	74	59	49	39	29	6.7	4.5	3.4	2.7
	80	VC	2.12	271	157	126	105	79	63	52	42	31	7.2	4.8	3.6	2.9
	90	VC	2.25	288	167	134	111	84	67	56	45	33	7.7	5.1	3.8	3.1

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change. Tabulations are based on spraying water at 70°F. See technical information for droplet size classification, useful formulas and other technical information.

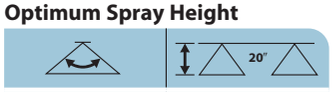


AITTJ60-__VP Spray Tip
(Cross Section View)

CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
GOOD	EXCELLENT	EXCELLENT



Optimum Spray Height



110°	20"

How to order:

Specify tip number.
Example:
AITTJ60-11004VP – Polymer with VisiFlo® color coding
AITTJ60-11004VP-CE – Polymer with VisiFlo color coding, includes Quick TeeJet cap and gasket

AI3070 TeeJet® Air Induction Dual-Pattern Flat Spray Tips



The AI3070 TeeJet dual flat spray tip, utilizing a patent-pending design, provides two spray patterns at complementary angles of 30° and 70° from vertical. The leading pattern provides coverage of the rear of the crop and penetration for coverage within the canopy. The trailing pattern provides thorough coverage across the top of the crop canopy. The AI3070 is ideal for fungicide application and disease control in cereal crops.

AI3070 Features & Benefits:

- AI3070 produces two wide-angle, flat spray patterns for uniform coverage in broadcast applications
- 30° forward-tilted spray penetrates dense crop canopies, while the backward-tilted 70° spray maximizes coverage of the crop seed head
- Drift-resistant drops are produced through the use of a Venturi air aspirator
- Large, round, free passages minimize clogging
- All-acetal construction for excellent chemical and wear resistance
- Removable pre-orifice for fast and easy cleaning
- Automatic alignment with the use of CP98578-1-NY cap and 98579-1-NYR cap and gasket
- Suggested spray pressure range of 20-90 PSI (1.5-6 bar)

Part	Description
AG428492	Nozzle, AI3070-015VP-C
AG428493	Nozzle, AI3070-02VP-C
AG428494	Nozzle, AI3070-025VP-C
AG428495	Nozzle, AI3070-03VP-C
AG428496	Nozzle, AI3070-04VP-C
AG428497	Nozzle, AI3070-05VP-C
AG428547	Cap and Gasket (98579-1-NYR)

TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING											
					GALLONS PER ACRE (GPA)								TURF APPLICATION GALLONS PER 1000 SQ. FT.			
					4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
AI3070-015VP (100)	20	XC	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15
	30	VC	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18
	40	VC	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	50	C	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	60	C	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
	70	M	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	80	M	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
	90	M	0.23	29	17.1	13.7	11.4	8.5	6.8	5.7	4.6	3.4	0.78	0.52	0.39	0.31
AI3070-02VP (100)	20	XC	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
	30	VC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	40	VC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	50	C	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	60	C	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
	70	M	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
	80	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	90	M	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
AI3070-025VP (100)	20	XC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
	30	VC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	40	VC	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
	50	C	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	60	C	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
	70	C	0.33	42	25	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.1	0.75	0.56	0.45
	80	M	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	90	M	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52
AI3070-03VP (50)	20	XC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
	30	VC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
	40	VC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
	50	VC	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
	60	C	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
	70	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
	80	C	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57
	90	M	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
AI3070-04VP (50)	20	XC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	30	XC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	40	VC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
	50	VC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
	60	C	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
	70	C	0.53	68	39	31	26	19.7	15.7	13.1	10.5	7.9	1.8	1.2	0.90	0.72
	80	C	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78
	90	C	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
AI3070-05VP (50)	20	UC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	30	XC	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
	40	VC	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68
	50	VC	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
	60	VC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
	70	C	0.66	84	49	39	33	25	19.6	16.3	13.1	9.8	2.2	1.5	1.1	0.90
	80	C	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97
	90	C	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change. Tabulations are based on spraying water at 70°F. See technical information for droplet size classification, useful formulas and other technical information.

AIXR TeeJet Spray Tip

Features:

- 110° wide, tapered flat-spray angle with air induction technology offers better drift management
- Made of a two-piece UHMWPE polymer construction with VisiFlo® color coding
- UHMPE provides excellent chemical resistance, including acids, as well as exceptional wear life
- Compact size to prevent tip damage
- Depending on the chemical, produces large air-filled drops through a Venturi air aspirator
- Removable pre-orifice
- Available in seven tip capacities with a wide operating pressure range: Up to 1,590 PSI (16 bar)
- Automatic spray alignment with 114441(A)-*-CELR Quick TeeJet® cap and gasket for capacities 015 through 06; 114443-*-CELR for capacities 08 through 10.

Part	Description	
AG427080	Nozzle, AIXR110015-VP	Priced Per Piece. Pack Qty. 25
AG427081	Nozzle, AIXR11002-VP	
AG427231	Nozzle, AIXR110025-VP	
AG427082	Nozzle, AIXR11003-VP	
AG427077	Nozzle, AIXR 11004-VP	
AG427083	Nozzle, AIXR11005-VP	
AG427084	Nozzle, AIXR11006-VP	
AG429066	Nozzle Assembly, AIXR11008-VP-CE*	
AG429067	Nozzle Assembly, AIXR11010-VP-CE*	
ACP0484450	Nozzle Cap with Gasket - Black	Priced Per Piece. Pack Qty. 25
ACP0484460	Nozzle Cap with Gasket - White	
ACP0484470	Nozzle Cap with Gasket - Red	
ACP0484480	Nozzle Cap with Gasket - Blue	
ACP0484490	Nozzle Cap with Gasket - Green	
ACP0484500	Nozzle Cap with Gasket - Yellow	
ACP0484510	Nozzle Cap with Gasket - Brown	
ACP0484520	Nozzle Cap with Gasket - Orange	
ACP0484530	Nozzle Cap with Gasket - Gray	
ACP0484540	Nozzle Cap with Gasket - Violet	

*Assembly includes nozzle, cap and gasket

Typical Applications:

Air induction design provides good drift control while still providing coverage. Ideal for a wide range of applications, including post-emerge systemic products.

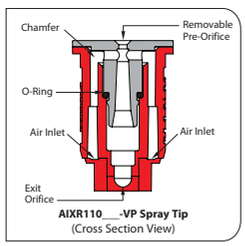
Features:

- 110° wide, tapered flat spray angle with air induction technology offers better drift management.
- Made of a two-piece UHMWPE polymer construction with VisiFlo® color coding. UHMWPE provides excellent chemical resistance, including acids, as well as exceptional wear life.
- Compact size to prevent tip damage.
- Depending on the chemical, produces large air-filled drops through a Venturi air aspirator.
- Removable pre-orifice.
- Available in nine tip capacities with a wide operating pressure range: 15–90 PSI (1–6 bar).
- Automatic spray alignment with 114441(A)-*-CELR Quick TeeJet® cap and gasket for capacities 015 through 06; 114443-*-CELR for capacities 08 through 10.



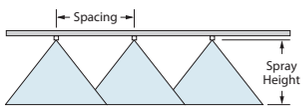
TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING — GALLONS PER ACRE (GPA)								TURF APPLICATION GALLONS PER 1000 SQ. FT.			
					4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
AIXR110015 (100)	15	VC	0.092	12	6.8	5.5	4.6	3.4	2.7	2.3	1.8	1.4	0.31	0.21	0.16	0.13
	20	VC	0.11	14	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.37	0.25	0.19	0.15
	30	C	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18
	40	C	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	50	M	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	60	M	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
	75	M	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
	90	M	0.23	29	17.1	13.7	11.4	8.5	6.8	5.7	4.6	3.4	0.78	0.52	0.39	0.31
AIXR11002 (50)	15	XC	0.12	15	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16
	20	VC	0.14	18	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
	30	VC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	40	C	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	50	M	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	60	M	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
	75	M	0.27	35	20	16.0	13.4	10.0	8.0	6.7	5.3	4.0	0.92	0.61	0.46	0.37
	90	M	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
AIXR110025 (50)	15	XC	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	20	VC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
	30	VC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	40	C	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
	50	M	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	60	M	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
	75	M	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
	90	M	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52
AIXR11003 (50)	15	XC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
	20	VC	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
	30	VC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
	40	C	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
	50	C	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
	60	M	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
	75	M	0.41	52	30	24	20	15.2	12.2	10.1	8.1	6.1	1.4	0.93	0.70	0.56
	90	M	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
AIXR11004 (50)	15	XC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
	20	VC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	30	VC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	40	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
	50	C	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
	60	C	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
	75	M	0.55	70	41	33	27	20	16.3	13.6	10.9	8.2	1.9	1.2	0.94	0.75
	90	M	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
AIXR11005 (50)	15	XC	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
	20	XC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	30	VC	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
	40	VC	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68
	50	C	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
	60	C	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
	75	M	0.68	87	50	40	34	25	20	16.8	13.5	10.1	2.3	1.5	1.2	0.92
	90	M	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0
AIXR11006 (50)	15	XC	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
	20	XC	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57
	30	VC	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71
	40	VC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
	50	VC	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91
	60	C	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99
	75	C	0.82	105	61	49	41	30	24	20	16.2	12.2	2.8	1.9	1.4	1.1
	90	C	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2
AIXR11008 (50)	15	UC	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
	20	XC	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78
	30	XC	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94
	40	VC	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1
	50	VC	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2
	60	VC	0.98	125	72	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3
	75	C	1.10	141	82	65	54	41	33	27	22	16.3	3.7	2.5	1.9	1.5
	90	C	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6
AIXR11010	15	UC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
	20	UC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97
	30	XC	0.87	111	65	52	43	32	26	22	17.2	12.9	3.0	2.0	1.5	1.2
	40	VC	1.00	128	74	59	50	37	30	25	19.8	14.9	3.4	2.3	1.7	1.4
	50	VC	1.12	143	83	67	55	42	33	28	22	16.6	3.8	2.5	1.9	1.5
	60	VC	1.22	156	91	72	60	45	36	30	24	18.1	4.2	2.8	2.1	1.7
	75	VC	1.37	175	102	81	68	51	41	34	27	20	4.7	3.1	2.3	1.9
	90	C	1.50	192	111	89	74	56	45	37	30	22	5.1	3.4	2.6	2.0

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change. Tabulations are based on spraying water at 70°F. See technical information for droplet size classification, useful formulas and other technical information.

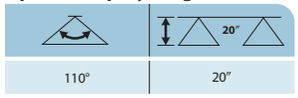


AIXR110___-VP Spray Tip
(Cross Section View)

CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
GOOD	EXCELLENT	EXCELLENT



Optimum Spray Height



110°	20"

How to order:

Specify tip number.
Example:

AIXR11004VP – Polymer with VisiFlo color coding

AIXR11003VP-CE – Polymer with VisiFlo color coding, includes Quick TeeJet cap and gasket


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Same Performance.
Same Fit. Saves Money.
Save
Up To 30%
WITH AGCO REMAN PARTS
• Same 1-Year AGCO Parts Warranty as New OE
• Six Month Labor Warranty*
• Tested to Verify it Meets OE Specifications
* Labor warranty applicable if part is installed by dealer.
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AI TeeJet® Air Induction Flat Spray Tips

Typical Applications:

- Pre-emergence surface-applied herbicides, minimum spray pressure of 40 PSI
- Post-emergence contact herbicides, typical pressure of 80 PSI and higher
- Soil-incorporated herbicides
- Systemic fungicides and insecticides
- Liquid fertilizer

Features:

- Stainless steel insert produces a tapered edge flat spray pattern for uniform coverage in broadcast spraying.
- Polymer insert holder and pre-orifice with VisiFlo® color coding.
- Larger droplets for less drift.
- Available in eight capacities with a recommended pressure rating 30–115 PSI (2–8 bar).
- Depending on the chemical, produces large air-filled drops through the use of a Venturi air aspirator.
- Automatic spray alignment with 114443-*-CELR Quick TeeJet® cap and gasket.



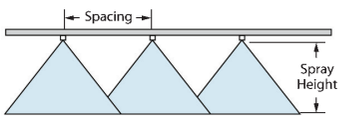
TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE 80°	DROP SIZE 110°	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 20" SPRAY TIP SPACING — GALLONS PER ACRE (GPA) 4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	TURF APPLICATION GALLONS PER 1000 SQ. FT. 2 MPH	3 MPH	4 MPH	5 MPH
AI80015 AI110015 (100)	30	XC	XC	0.13	17	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.29	0.22	0.18
	40	XC	XC	0.15	19	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	50	VC	VC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	60	VC	VC	0.18	23	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.24
	70	VC	C	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	80	C	C	0.21	27	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.71	0.48	0.36	0.29
	90	C	C	0.23	29	17.1	13.7	11.4	8.5	6.8	5.7	4.6	3.4	0.78	0.52	0.39	0.31
	100	C	C	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
	115	C	M	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
AI8002 AI11002 (50)	30	XC	XC	0.17	22	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	40	XC	XC	0.20	26	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	50	VC	VC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	60	VC	VC	0.24	31	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.54	0.41	0.33
	70	VC	C	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
	80	VC	C	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	90	C	C	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
	100	C	C	0.32	41	24	19.0	15.8	11.9	9.5	7.9	6.3	4.8	1.1	0.73	0.54	0.44
	115	C	M	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
AI80025 AI110025 (50)	30	XC	XC	0.22	28	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.37	0.30
	40	XC	XC	0.25	32	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
	50	VC	VC	0.28	36	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.63	0.48	0.38
	60	VC	VC	0.31	40	23	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.1	0.70	0.53	0.42
	70	VC	C	0.33	42	25	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.1	0.75	0.56	0.45
	80	VC	C	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	90	C	C	0.38	49	28	23	18.8	14.1	11.3	9.4	7.5	5.6	1.3	0.86	0.65	0.52
	100	C	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
	115	C	M	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57
AI8003 AI11003 (50)	30	XC	XC	0.26	33	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.88	0.59	0.44	0.35
	40	XC	XC	0.30	38	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.0	0.68	0.51	0.41
	50	VC	VC	0.34	44	25	20	16.8	12.6	10.1	8.4	6.7	5.0	1.2	0.77	0.58	0.46
	60	VC	VC	0.37	47	27	22	18.3	13.7	11.0	9.2	7.3	5.5	1.3	0.84	0.63	0.50
	70	VC	C	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
	80	VC	C	0.42	54	31	25	21	15.6	12.5	10.4	8.3	6.2	1.4	0.95	0.71	0.57
	90	C	C	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
	100	C	C	0.47	60	35	28	23	17.4	14.0	11.6	9.3	7.0	1.6	1.1	0.80	0.64
	115	C	M	0.51	65	38	30	25	18.9	15.1	12.6	10.1	7.6	1.7	1.2	0.87	0.69
AI8004 AI11004 (50)	30	XC	XC	0.35	45	26	21	17.3	13.0	10.4	8.7	6.9	5.2	1.2	0.79	0.60	0.48
	40	XC	XC	0.40	51	30	24	19.8	14.9	11.9	9.9	7.9	5.9	1.4	0.91	0.68	0.54
	50	VC	VC	0.45	58	33	27	22	16.7	13.4	11.1	8.9	6.7	1.5	1.0	0.77	0.61
	60	VC	VC	0.49	63	36	29	24	18.2	14.6	12.1	9.7	7.3	1.7	1.1	0.83	0.67
	70	VC	C	0.53	68	39	31	26	19.7	15.7	13.1	10.5	7.9	1.8	1.2	0.90	0.72
	80	VC	C	0.57	73	42	34	28	21	16.9	14.1	11.3	8.5	1.9	1.3	0.97	0.78
	90	C	C	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
	100	C	C	0.63	81	47	37	31	23	18.7	15.6	12.5	9.4	2.1	1.4	1.1	0.86
	115	C	M	0.68	87	50	40	34	25	20	16.8	13.5	10.1	2.3	1.5	1.2	0.92
AI8005 AI11005 (50)	30	XC	XC	0.43	55	32	26	21	16.0	12.8	10.6	8.5	6.4	1.5	0.97	0.73	0.58
	40	XC	XC	0.50	64	37	30	25	18.6	14.9	12.4	9.9	7.4	1.7	1.1	0.85	0.68
	50	VC	VC	0.56	72	42	33	28	21	16.6	13.9	11.1	8.3	1.9	1.3	0.95	0.76
	60	VC	VC	0.61	78	45	36	30	23	18.1	15.1	12.1	9.1	2.1	1.4	1.0	0.83
	70	VC	VC	0.66	84	49	39	33	25	19.6	16.3	13.1	9.8	2.2	1.5	1.1	0.90
	80	VC	VC	0.71	91	53	42	35	26	21	17.6	14.1	10.5	2.4	1.6	1.2	0.97
	90	C	C	0.75	96	56	45	37	28	22	18.6	14.9	11.1	2.6	1.7	1.3	1.0
	100	C	C	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1
	115	C	C	0.85	109	63	50	42	32	25	21	16.8	12.6	2.9	1.9	1.4	1.2
AI8006 AI11006 (50)	30	XC	XC	0.52	67	39	31	26	19.3	15.4	12.9	10.3	7.7	1.8	1.2	0.88	0.71
	40	XC	XC	0.60	77	45	36	30	22	17.8	14.9	11.9	8.9	2.0	1.4	1.0	0.82
	50	XC	VC	0.67	86	50	40	33	25	19.9	16.6	13.3	9.9	2.3	1.5	1.1	0.91
	60	VC	VC	0.73	93	54	43	36	27	22	18.1	14.5	10.8	2.5	1.7	1.2	0.99
	70	VC	VC	0.79	101	59	47	39	29	23	19.6	15.6	11.7	2.7	1.8	1.3	1.1
	80	VC	VC	0.85	109	63	50	42	32	25	21	16.8	12.6	2.9	1.9	1.4	1.2
	90	VC	C	0.90	115	67	53	45	33	27	22	17.8	13.4	3.1	2.0	1.5	1.2
	100	VC	C	0.95	122	71	56	47	35	28	24	18.8	14.1	3.2	2.2	1.6	1.3
	115	VC	C	1.02	131	76	61	50	38	30	25	20	15.1	3.5	2.3	1.7	1.4
AI11008 (50)	30		XC	0.69	88	51	41	34	26	20	17.1	13.7	10.2	2.3	1.6	1.2	0.94
	40		XC	0.80	102	59	48	40	30	24	19.8	15.8	11.9	2.7	1.8	1.4	1.1
	50		VC	0.89	114	66	53	44	33	26	22	17.6	13.2	3.0	2.0	1.5	1.2
	60		VC	0.98	125	73	58	49	36	29	24	19.4	14.6	3.3	2.2	1.7	1.3
	70		VC	1.06	136	79	63	52	39	31	26	21	15.7	3.6	2.4	1.8	1.4
	80		VC	1.13	145	84	67	56	42	34	28	22	16.8	3.8	2.6	1.9	1.5
	90		VC	1.20	154	89	71	59	45	36	30	24	17.8	4.1	2.7	2.0	1.6
	100		C	1.26	161	94	75	62	47	37	31	25	18.7	4.3	2.9	2.1	1.7
	115		C	1.36	174	101	81	67	50	40	34	27	20	4.6	3.1	2.3	1.8

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change. Tabulations are based on spraying water at 70°F. See technical information for droplet size classification, useful formulas and other technical information.



Note: Due to the pre-orifice design, this tip is not compatible with the 4193A check valve tip strainer.

CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
GOOD	EXCELLENT	EXCELLENT



Optimum Spray Height

	20"
80°	30"
110°	20"

AI TeeJet Spray Tips



Air-Induction Flat-Spray Tips Feature:

- Polymer insert holder and pre-orifice with VisiFlo® color coding
- Stainless steel insert produces tapered-edge flat-spray pattern for uniform coverage in broadcast spraying
- Large droplets for less drift
- Bigger drops burst on target area, forming smaller drops to give better coverage and penetration
- Depending on the chemical, the AI TeeJet produces large air-filled drops through the use of a Venturi air aspirator

Typical Applications:

- Best for pre-emergence surface-applied herbicides, minimum spray pressure of 40 PSI
- Best for post-emergence contact herbicides, typical pressure of 80 PSI and higher
- Soil-incorporated herbicides
- Systemic fungicides and insecticides
- Liquid fertilizer

Part	Description
AG427601	AI 80015-VS - Green
AG427602	AI 8002-VS - Yellow
AG427603	AI 80025-VS - Violet
AG427604	AI 8003-VS - Blue
AG427605	AI 8004-VS - Red
AG427606	AI 8005-VS - Brown
AG427607	AI 8006-VS - Gray
AG056396	AI 110015-VS - Green
AG056397	AI 11002-VS - Yellow
AG056398	AI 110025-VS - Violet
AG056399	AI 11003-VS - Blue
AG056400	AI 11004-VS - Red
AG056401	AI 11005-VS - Brown
AG057516	AI 11006-VS - Gray
AG057515	AI 11008-VS - White

Caps for AI Spray Tips

Part	Description
ACP0484550	Nozzle Cap with Gasket - Black
ACP0484560	Nozzle Cap with Gasket - White
ACP0484570	Nozzle Cap with Gasket - Red
ACP0484580	Nozzle Cap with Gasket - Blue
ACP0484590	Nozzle Cap with Gasket - Green
ACP0484600	Nozzle Cap with Gasket - Yellow
ACP0484610	Nozzle Cap with Gasket - Brown
ACP0484620	Nozzle Cap with Gasket - Orange
ACP0484630	Nozzle Cap with Gasket - Gray
ACP0484640	Nozzle Cap with Gasket - Violet

AIC Tip-and-Cap Combination



The AIC tip from Spraying Systems is a one-piece molded AI tip-and-cap combination. This eliminates handling separate tips and caps.

Air-Induction 110° Flat-Spray Tips Feature:

- Polymer insert holder and pre-orifice with VisiFlo® color coding
- Stainless steel insert produces tapered-edge flat-spray pattern
- Uniform coverage in broadcast spraying
- Large droplets for less drift
- Bigger drops burst on target area, forming smaller drops to give better coverage and penetration
- Depending on the chemical, the AI TeeJet produces large, air-filled drops through the use of a Venturi air aspirator

Typical Applications:

- Pre-emergence surface-applied herbicides, minimum spray pressure of 40 PSI
- Post-emergence contact herbicides, typical pressure of 80 PSI and higher
- Soil-incorporated herbicides
- Systemic fungicides and insecticides
- Liquid fertilizer
- VS tips are color-coded stainless steel. VK tips are color-coded ceramic.

Note: *Adjust spray height in the field to overlap approximately 30% of each edge of pattern.*

Part	Description
AG426608	Cap and Tip AIC110015-VS
AG426981	Cap and Tip AIC11002-VS
AG726262	Cap and Tip AIC110025-VS
AG726263	Cap and Tip AIC11003-VS
AG726270	Cap and Tip AIC11004-VS
AG726271	Cap and Tip AIC11005-VS
AG426292	Cap and Tip AIC11006-VS
AG426293	Cap and Tip AIC11008-VS
AG426294	Cap and Tip AIC11010-VS
AG428435	Cap and Tip AIC11015-VS
AG726821	Cap and Tip AIC110025-VK
AG726822	Cap and Tip AIC11003-VK
AG726823	Cap and Tip AIC11004-VK
AG726824	Cap and Tip AIC11005-VK

Pentair® Hypro™ GuardianAIR

PENTAIR HYPRO

Hypro GuardianAIR™ is the only spray tip with a pattern and droplet size scientifically designed to maximize coverage and productivity at spray rates around 10 GPA. This technology was originally developed by Hypro® for the Syngenta Amistar nozzle and has been proven on millions of acres around the world.

Hypro GuardianAIR spray tips boost productivity, control, and profitability using a patented combination of innovations. They are air induced to reduce drift and boost on-target spray deposition, yet are tuned to provide more droplets per gallon than any comparable air-induced tip. Those coverage-boosting droplets are delivered at an optimized incline that provides more uniform coverage on the entire plant—front and back.

Part	Description
AG427580	Nozzle, GA110-015
AG427582	Nozzle, GA110-02
AG427583	Nozzle, GA110-025
AG427584	Nozzle, GA110-03
AG427585	Nozzle, GA110-035
AG427586	Nozzle, GA110-04
AG427587	Nozzle, GA110-05
AG427588	FastCap, GA110-015
AG427589	FastCap, GA110-02
AG427590	FastCap, GA110-025
AG427591	FastCap, GA110-03
AG427592	FastCap, GA110-035
AG427593	FastCap, GA110-04
AG427594	FastCap, GA110-05

Tip Size	Droplet Size 110°	Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing MPH								GAL/1000 ft² 20 inch nozzle spacing			
				4	5	6	8	10	12	15	20	2	3	4	5
015	XC	15	0.09	6.7	5.3	4.5	3.3	2.7	2.2	1.8	1.3	0.31	0.20	0.15	0.12
	XC	20	0.11	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.38	0.25	0.19	0.15
	VC	30	0.13	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.30	0.22	0.18
	C	**40**	**0.15**	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	C	50	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	C	60	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25
	M	70	0.20	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	M	80	0.21	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.72	0.48	0.36	0.29
	M	90	0.23	17.1	13.7	11.4	8.5	6.8	5.7	4.6	3.4	0.78	0.52	0.39	0.31
	M	100	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33
	M	115	0.25	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
02	XC	15	0.12	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16
	XC	20	0.14	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
	VC	30	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	C	**40**	**0.20**	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	C	50	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30
	C	60	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33
	M	70	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35
	M	80	0.28	20.8	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.64	0.48	0.38
	M	90	0.30	22.3	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.02	0.68	0.51	0.41
	M	100	0.32	23.8	19.0	15.8	11.9	9.5	7.9	6.3	4.8	1.09	0.73	0.55	0.44
	M	115	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.7	5.0	1.16	0.77	0.58	0.46
025	XC	15	0.15	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	XC	20	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25
	VC	30	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30
	C	**40**	**0.25**	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
	C	50	0.28	20.8	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.64	0.48	0.38
	C	60	0.31	23.0	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.06	0.70	0.53	0.42
	C	70	0.33	24.5	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.13	0.75	0.56	0.45
	C	80	0.35	26.0	20.8	17.3	13.0	10.4	8.7	6.9	5.2	1.19	0.80	0.60	0.48
	M	90	0.38	28.2	22.6	18.8	14.1	11.3	9.4	7.5	5.6	1.30	0.86	0.65	0.52
	M	100	0.40	29.7	23.8	19.8	14.9	11.9	9.9	7.9	5.9	1.36	0.91	0.68	0.55
	M	115	0.42	31.2	24.9	20.8	15.6	12.5	10.4	8.3	6.2	1.43	0.95	0.72	0.57
03	XC	15	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25
	XC	20	0.21	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.72	0.48	0.36	0.29
	VC	30	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35
	C	**40**	**0.30**	22.3	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.02	0.68	0.51	0.41
	C	50	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.7	5.0	1.16	0.77	0.58	0.46
	C	60	0.37	27.5	22.0	18.3	13.7	11.0	9.2	7.3	5.5	1.26	0.84	0.63	0.50
	C	70	0.40	29.7	23.8	19.8	14.9	11.9	9.9	7.9	5.9	1.36	0.91	0.68	0.55
	C	80	0.42	31.2	24.9	20.8	15.6	12.5	10.4	8.3	6.2	1.43	0.95	0.72	0.57
	M	90	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61
	M	100	0.47	34.9	27.9	23.3	17.4	14.0	11.6	9.3	7.0	1.60	1.07	0.80	0.64
	M	115	0.51	37.9	30.3	25.2	18.9	15.1	12.6	10.1	7.6	1.74	1.16	0.87	0.70
035	XC	15	0.21	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.72	0.48	0.36	0.29
	XC	20	0.25	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
	VC	30	0.30	22.3	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.02	0.68	0.51	0.41
	C	**40**	**0.35**	26.0	20.8	17.3	13.0	10.4	8.7	6.9	5.2	1.19	0.80	0.60	0.48
	C	50	0.39	29.0	23.2	19.3	14.5	11.6	9.7	7.7	5.8	1.33	0.89	0.66	0.53
	C	60	0.43	31.9	25.5	21.3	16.0	12.8	10.6	8.5	6.4	1.47	0.98	0.73	0.59
	C	70	0.46	34.2	27.3	22.8	17.1	13.7	11.4	9.1	6.8	1.57	1.05	0.78	0.63
	C	80	0.49	36.4	29.1	24.3	18.2	14.6	12.1	9.7	7.3	1.67	1.11	0.84	0.67
	M	90	0.53	39.4	31.5	26.2	19.7	15.7	13.1	10.5	7.9	1.81	1.20	0.90	0.72
	M	100	0.55	40.8	32.7	27.2	20.4	16.3	13.6	10.9	8.2	1.88	1.25	0.94	0.75
	M	115	0.59	43.8	35.0	29.2	21.9	17.5	14.6	11.7	8.8	2.01	1.34	1.01	0.80
04	XC	15	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33
	XC	20	0.28	20.8	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.64	0.48	0.38
	VC	30	0.35	26.0	20.8	17.3	13.0	10.4	8.7	6.9	5.2	1.19	0.80	0.60	0.48
	C	**40**	**0.40**	29.7	23.8	19.8	14.9	11.9	9.9	7.9	5.9	1.36	0.91	0.68	0.55
	C	50	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61
	C	60	0.49	36.4	29.1	24.3	18.2	14.6	12.1	9.7	7.3	1.67	1.11	0.84	0.67
	C	70	0.53	39.4	31.5	26.2	19.7	15.7	13.1	10.5	7.9	1.81	1.20	0.90	0.72
	C	80	0.57	42.3	33.9	28.2	21.2	16.9	14.1	11.3	8.5	1.94	1.30	0.97	0.78
	M	90	0.60	44.6	35.6	29.7	22.3	17.8	14.9	11.9	8.9	2.05	1.36	1.02	0.82
	M	100	0.63	46.8	37.4	31.2	23.4	18.7	15.6	12.5	9.4	2.15	1.43	1.07	0.86
	M	115	0.68	50.5	40.4	33.7	25.2	20.2	16.8	13.5	10.1	2.32	1.55	1.16	0.93
05	XC	15	0.31	23.0	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.06	0.70	0.53	0.42
	XC	20	0.35	26.0	20.8	17.3	13.0	10.4	8.7	6.9	5.2	1.19	0.80	0.60	0.48
	VC	30	0.43	31.9	25.5	21.3	16.0	12.8	10.6	8.5	6.4	1.47	0.98	0.73	0.59
	C	**40**	**0.50**	37.1	29.7	24.8	18.6	14.9	12.4	9.9	7.4	1.71	1.14	0.85	0.68
	C	50	0.56	41.6	33.3	27.7	20.8	16.6	13.9	11.1	8.3	1.91	1.27	0.95	0.76
	C	60	0.61	45.3	36.2	30.2	22.6	18.1	15.1	12.1	9.1	2.08	1.39	1.04	0.83
	C	70	0.66	49.0	39.2	32.7	24.5	19.6	16.3	13.1	9.8	2.25	1.50	1.13	0.90
	C	80	0.71	52.7	42.2	35.1	26.4	21.1	17.6	14.1	10.5	2.42	1.61	1.21	0.97
	M	90	0.75	55.7	44.6	37.1	27.8	22.3	18.6	14.9	11.1	2.56	1.71	1.28	1.02
	M	100	0.79	58.7	46.9	39.1	29.3	23.5	19.6	15.6	11.7	2.69	1.80	1.35	1.08
	M	115	0.85	63.1	50.5	42.1	31.6	25.2	21.0	16.8	12.6	2.90	1.93	1.45	1.16

Features	
Common Use	Plant Health
Pattern	Tapered Flat Fan
Technology	Air Eduction
Material	Polyacetal
Spray Angle	110°
Pressure Range	15-115 PSI
Configuration	Tips, FastCap

Application Selection Guide	
Foliar Contact	Excellent
Foliar Systemic	Excellent
Soil Applied	Very Good
Drift Control	Very Good

Part Numbers	
Tips 110°	FastCaps 110°
GA110-015	FC-GA110-015
GA110-02	FC-GA110-02
GA110-025	FC-GA110-025
GA110-03	FC-GA110-03
GA110-035	FC-GA110-035
GA110-04	FC-GA110-04
GA110-05	FC-GA110-05

PENTAIR HYPRO

GuardianAIR Twin 110°

Part	Description
AG428226	Nozzle, GAT110-025
AG428227	Nozzle, GAT110-03
AG428952	Nozzle, GAT110-035
AG428228	Nozzle, GAT110-04
AG428229	Nozzle, GAT110-05
AG428230	Nozzle, GAT110-06
AG428231	Nozzle, GAT110-08



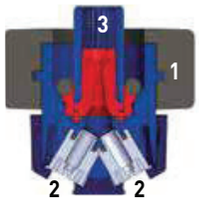
Hypro GuardianAIR Twin spray nozzles are the best choice for high-coverage applications where on-target spray delivery is important. They are ideal for low crops with complex canopies, such as vegetables, where thorough coverage of the target and protection of the surroundings are of high importance.

- High-coverage forward- and rear-facing fans help penetrate complex canopies
- Engineered to provide better coverage with more drops per gallon or liter compared to other air-induced sprays
- Easy-to-install, patent-pending locking ring and O-ring seal design
- FastCap complete includes nozzle, cap, gasket and is available with or without a filter

US Units

Nozzle Size	Droplet Size	Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing MPH								GAL/1000Ft² 20 inch nozzle spacing			
				4	5	6	8	10	12	15	20	2	3	4	5
02	C	30	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	M	40	0.20	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	M	50	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30
	M	60	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33
	M	70	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35
	M	80	0.28	20.8	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.64	0.48	0.38
	M	90	0.30	22.3	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.02	0.68	0.51	0.41
	F	100	0.32	23.8	19.0	15.8	11.9	9.5	7.9	6.3	4.8	1.09	0.73	0.55	0.44
	F	115	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.7	5.0	1.16	0.77	0.58	0.46
025	UC	30	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30
	VC	40	0.25	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
	C	50	0.28	20.8	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.64	0.48	0.38
	M	60	0.31	23.0	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.06	0.70	0.53	0.42
	M	70	0.33	24.5	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.13	0.75	0.56	0.45
	M	80	0.35	26.0	20.8	17.3	13.0	10.4	8.7	6.9	5.2	1.19	0.80	0.60	0.48
	M	90	0.38	28.2	22.6	18.8	14.1	11.3	9.4	7.5	5.6	1.30	0.86	0.65	0.52
	M	100	0.40	29.7	23.8	19.8	14.9	11.9	9.9	7.9	5.9	1.36	0.91	0.68	0.55
	M	115	0.42	31.2	24.9	20.8	15.6	12.5	10.4	8.3	6.2	1.43	0.95	0.72	0.57
03	VC	30	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35
	C	40	0.30	22.3	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.02	0.68	0.51	0.41
	M	50	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.7	5.0	1.16	0.77	0.58	0.46
	M	60	0.37	27.5	22.0	18.3	13.7	11.0	9.2	7.3	5.5	1.26	0.84	0.63	0.50
	M	70	0.40	29.7	23.8	19.8	14.9	11.9	9.9	7.9	5.9	1.36	0.91	0.68	0.55
	M	80	0.42	31.2	24.9	20.8	15.6	12.5	10.4	8.3	6.2	1.43	0.95	0.72	0.57
	M	90	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61
	M	100	0.47	34.9	27.9	23.3	17.4	14.0	11.6	9.3	7.0	1.60	1.07	0.80	0.64
	M	115	0.51	37.9	30.3	25.2	18.9	15.1	12.6	10.1	7.6	1.74	1.16	0.87	0.70
035	XC	30	0.30	22.3	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.02	0.68	0.51	0.41
	C	40	0.35	26.0	20.8	17.3	13.0	10.4	8.7	6.9	5.2	1.19	0.80	0.60	0.48
	C	50	0.39	29.0	23.2	19.3	14.5	11.6	9.7	7.7	5.8	1.33	0.89	0.66	0.53
	M	60	0.43	31.9	25.5	21.3	16.0	12.8	10.6	8.5	6.4	1.47	0.98	0.73	0.59
	M	70	0.46	34.2	27.3	22.8	17.1	13.7	11.4	9.1	6.8	1.57	1.05	0.78	0.63
	M	80	0.49	36.4	29.1	24.3	18.2	14.6	12.1	9.7	7.3	1.67	1.11	0.84	0.67
	M	90	0.53	39.4	31.5	26.2	19.7	15.7	13.1	10.5	7.9	1.81	1.20	0.90	0.72
	M	100	0.55	40.8	32.7	27.2	20.4	16.3	13.6	10.9	8.2	1.88	1.25	0.94	0.75
	M	115	0.59	43.8	35.0	29.2	21.9	17.5	14.6	11.7	8.8	2.01	1.34	1.01	0.80
04	VC	30	0.35	26.0	20.8	17.3	13.0	10.4	8.7	6.9	5.2	1.19	0.80	0.60	0.48
	C	40	0.40	29.7	23.8	19.8	14.9	11.9	9.9	7.9	5.9	1.36	0.91	0.68	0.55
	C	50	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61
	M	60	0.49	36.4	29.1	24.3	18.2	14.6	12.1	9.7	7.3	1.67	1.11	0.84	0.67
	M	70	0.53	39.4	31.5	26.2	19.7	15.7	13.1	10.5	7.9	1.81	1.20	0.90	0.72
	M	80	0.57	42.3	33.9	28.2	21.2	16.9	14.1	11.3	8.5	1.94	1.30	0.97	0.78
	M	90	0.60	44.6	35.6	29.7	22.3	17.8	14.9	11.9	8.9	2.05	1.36	1.02	0.82
	M	100	0.63	46.8	37.4	31.2	23.4	18.7	15.6	12.5	9.4	2.15	1.43	1.07	0.86
	M	115	0.68	50.5	40.4	33.7	25.2	20.2	16.8	13.5	10.1	2.32	1.55	1.16	0.93
05	VC	30	0.43	31.9	25.5	21.3	16.0	12.8	10.6	8.5	6.4	1.47	0.98	0.73	0.59
	C	40	0.50	37.1	29.7	24.8	18.6	14.9	12.4	9.9	7.4	1.71	1.14	0.85	0.68
	C	50	0.56	41.6	33.3	27.7	20.8	16.6	13.9	11.1	8.3	1.91	1.27	0.95	0.76
	M	60	0.61	45.3	36.2	30.2	22.6	18.1	15.1	12.1	9.1	2.08	1.39	1.04	0.83
	M	70	0.66	49.0	39.2	32.7	24.5	19.6	16.3	13.1	9.8	2.25	1.50	1.13	0.90
	M	80	0.71	52.7	42.2	35.1	26.4	21.1	17.6	14.1	10.5	2.42	1.61	1.21	0.97
	M	90	0.75	55.7	44.6	37.1	27.8	22.3	18.6	14.9	11.1	2.56	1.71	1.28	1.02
	M	100	0.79	58.7	46.9	39.1	29.3	23.5	19.6	15.6	11.7	2.69	1.80	1.35	1.08
	M	115	0.85	63.1	50.5	42.1	31.6	25.2	21.0	16.8	12.6	2.90	1.93	1.45	1.16
06	XC	30	0.52	38.6	30.9	25.7	19.3	15.4	12.9	10.3	7.7	1.77	1.18	0.89	0.71
	C	40	0.60	44.6	35.6	29.7	22.3	17.8	14.9	11.9	8.9	2.05	1.36	1.02	0.82
	C	50	0.67	49.7	39.8	33.2	24.9	19.9	16.6	13.3	9.9	2.28	1.52	1.14	0.91
	C	60	0.73	54.2	43.4	36.1	27.1	21.7	18.1	14.5	10.8	2.49	1.66	1.24	1.00
	M	70	0.79	58.7	46.9	39.1	29.3	23.5	19.6	15.6	11.7	2.69	1.80	1.35	1.08
	M	80	0.85	63.1	50.5	42.1	31.6	25.2	21.0	16.8	12.6	2.90	1.93	1.45	1.16
	M	90	0.90	66.8	53.5	44.6	33.4	26.7	22.3	17.8	13.4	3.07	2.05	1.53	1.23
	M	100	0.95	70.5	56.4	47.0	35.3	28.2	23.5	18.8	14.1	3.24	2.16	1.62	1.30
	M	115	1.02	75.7	60.6	50.5	37.9	30.3	25.2	20.2	15.1	3.48	2.32	1.74	1.39
08	VC	30	0.69	51.2	41.0	34.2	25.6	20.5	17.1	13.7	10.2	2.35	1.57	1.18	0.94
	C	40	0.80	59.4	47.5	39.6	29.7	23.8	19.8	15.8	11.9	2.73	1.82	1.36	1.09
	C	50	0.89	66.1	52.9	44.1	33.0	26.4	22.0	17.6	13.2	3.03	2.02	1.52	1.21
	C	60	0.98	72.8	58.2	48.5	36.4	29.1	24.3	19.4	14.6	3.34	2.23	1.67	1.34
	M	70	1.06	78.7	63.0	52.5	39.4	31.5	26.2	21.0	15.7	3.61	2.41	1.81	1.45
	M	80	1.13	83.9	67.1	55.9	42.0	33.6	28.0	22.4	16.8	3.85	2.57	1.93	1.54
	M	90	1.20	89.1	71.3	59.4	44.6	35.6	29.7	23.8	17.8	4.09	2.73	2.05	1.64
	M	100	1.26	93.6	74.8	62.4	46.8	37.4	31.2	24.9	18.7	4.30	2.86	2.15	1.72
	M	115	1.36	101	80.8	67.3	50.5	40.4	33.7	26.9	20.2	4.64	3.09	2.32	1.86

Droplet size based on ASABE S572.1 standard.



1. Integrated Locking Collar allows for precise and easy installation
2. Twin Air Inducted spray patterns (30° offset) for superior coverage
3. Available with or without filter options

Greenleaf AirMix® Nozzle

The AirMix® nozzle is a compact, two-piece air injection nozzle that fits in a standard cap, and can be cleaned without tools. The AirMix® utilizes a unique air cleaning system to prevent nozzle plugging. Please target 40 PSI when selecting nozzle size to allow for changes in speed. Higher pressures are recommended for penetrating dense canopies and for coverage-critical contact chemicals. **Pressure Range:** 15-90 PSI—Suggested spray height: 16"-36" (on 20" centers)

Part	Description
AG725951	TIP-AM11001
AG725950	TIP-AM110015
AG725949	TIP-AM11002
AG725948	TIP-AM110025
AG725947	TIP-AM11003
AG725946	TIP-AM11004
AG725945	TIP-AM11005
AG426373	TIP-AM11006

AirMix® TipGuard™



The TipGuard System protects spray nozzles from damage caused by impact with the ground, fence posts, irrigation systems or other obstacles. Note: Photo shows AirMix® and G125 Gasket inserted.

(Each item sold separately.)

Part	Description
ACP0392490	TipGuard™, AMTG

NOZZLE PART # (Strainer Size)	LIQUID PRESSURE PSI	DROPLET SIZE ASAE	NOZZLE CAPACITY GPM	GALLONS PER ACRE BASED ON 20" NOZZLE SPACING									
				4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH
AM11001 (use 50 mesh)	15	C	0.06	4.5	3.6	3.0	2.3	1.8	1.5	1.3	1.1	1.0	0.9
	20	C	0.07	5.2	4.2	3.5	2.6	2.1	1.7	1.5	1.3	1.2	1.0
	30	M	0.09	6.4	5.1	4.3	3.2	2.6	2.1	1.8	1.6	1.4	1.3
	40	M	0.10	7.4	5.9	4.9	3.7	3.0	2.5	2.1	1.9	1.6	1.5
	50	F	0.11	8.3	6.6	5.5	4.1	3.3	2.8	2.4	2.1	1.8	1.7
	60	F	0.12	9.1	7.3	6.1	4.5	3.6	3.0	2.6	2.3	2.0	1.8
	70	F	0.13	9.8	7.9	6.5	4.9	3.9	3.3	2.8	2.5	2.2	2.0
	80	F	0.14	10.5	8.4	7.0	5.2	4.2	3.5	3.0	2.6	2.3	2.1
	90	F	0.15	11.1	8.9	7.4	5.6	4.5	3.7	3.2	2.8	2.5	2.2
AM110015 (use 50 mesh)	15	C	0.09	6.8	5.5	4.5	3.4	2.7	2.3	1.9	1.7	1.5	1.4
	20	C	0.11	7.9	6.3	5.2	3.9	3.1	2.6	2.2	2.0	1.7	1.6
	30	M	0.13	9.6	7.7	6.4	4.8	3.9	3.2	2.8	2.4	2.1	1.9
	40	M	0.15	11.1	8.9	7.4	5.6	4.5	3.7	3.2	2.8	2.5	2.2
	50	F	0.17	12.4	10.0	8.3	6.2	5.0	4.1	3.6	3.1	2.8	2.5
	60	F	0.18	13.6	10.9	9.1	6.8	5.5	4.5	3.9	3.4	3.0	2.7
	70	F	0.20	14.7	11.8	9.8	7.4	5.9	4.9	4.2	3.7	3.3	2.9
	80	F	0.21	15.7	12.6	10.5	7.9	6.3	5.2	4.5	3.9	3.5	3.1
	90	F	0.22	16.7	13.4	11.1	8.3	6.7	5.6	4.8	4.2	3.7	3.3
AM11002 (use 50 mesh)	15	C	0.12	9.1	7.3	6.1	4.5	3.6	3.0	2.6	2.3	2.0	1.8
	20	C	0.14	10.5	8.4	7.0	5.2	4.2	3.5	3.0	2.6	2.3	2.1
	30	C	0.17	12.9	10.3	8.6	6.4	5.1	4.3	3.7	3.2	2.9	2.6
	40	M	0.20	14.8	11.9	9.9	7.4	5.9	4.9	4.2	3.7	3.3	3.0
	50	M	0.22	16.6	13.3	11.1	8.3	6.6	5.5	4.7	4.1	3.7	3.3
	60	F	0.24	18.2	14.5	12.1	9.1	7.3	6.1	5.2	4.5	4.0	3.6
	70	F	0.26	19.6	15.7	13.1	9.8	7.9	6.5	5.6	4.9	4.4	3.9
	80	F	0.28	21.0	16.8	14.0	10.5	8.4	7.0	6.0	5.2	4.7	4.2
	90	F	0.30	22.3	17.8	14.8	11.1	8.9	7.4	6.4	5.6	4.9	4.5
AM110025 (use 50 mesh)	15	VC	0.15	11.4	9.1	7.6	5.7	4.5	3.8	3.2	2.8	2.5	2.3
	20	C	0.18	13.1	10.5	8.7	6.6	5.2	4.4	3.7	3.3	2.9	2.6
	30	C	0.22	16.1	12.9	10.7	8.0	6.4	5.4	4.6	4.0	3.6	3.2
	40	C	0.25	18.5	14.8	12.4	9.3	7.4	6.2	5.3	4.6	4.1	3.7
	50	M	0.28	20.7	16.6	13.8	10.4	8.3	6.9	5.9	5.2	4.6	4.1
	60	M	0.31	22.7	18.2	15.1	11.4	9.1	7.6	6.5	5.7	5.0	4.5
	70	M	0.33	24.5	19.6	16.4	12.3	9.8	8.2	7.0	6.1	5.5	4.9
	80	M	0.35	26.2	21.0	17.5	13.1	10.5	8.7	7.5	6.6	5.8	5.2
	90	F	0.37	27.8	22.3	18.5	13.9	11.1	9.3	7.9	7.0	6.2	5.6
AM11003 (use 50 mesh)	15	XC	0.18	13.6	10.9	9.1	6.8	5.5	4.5	3.9	3.4	3.0	2.7
	20	VC	0.21	15.7	12.6	10.5	7.9	6.3	5.2	4.5	3.9	3.5	3.1
	30	VC	0.26	19.3	15.4	12.9	9.6	7.7	6.4	5.5	4.8	4.3	3.9
	40	C	0.30	22.3	17.8	14.8	11.1	8.9	7.4	6.4	5.6	4.9	4.5
	50	C	0.34	24.9	19.9	16.6	12.4	10.0	8.3	7.1	6.2	5.5	5.0
	60	M	0.37	27.3	21.8	18.2	13.6	10.9	9.1	7.8	6.8	6.1	5.5
	70	M	0.40	29.4	23.6	19.6	14.7	11.8	9.8	8.4	7.4	6.5	5.9
	80	M	0.42	31.5	25.2	21.0	15.7	12.6	10.5	9.0	7.9	7.0	6.3
	90	M	0.45	33.4	26.7	22.3	16.7	13.4	11.1	9.5	8.3	7.4	6.7
AM11004 (use 24 mesh)	15	XC	0.24	18.2	14.5	12.1	9.1	7.3	6.1	5.2	4.5	4.0	3.6
	20	VC	0.28	21.0	16.8	14.0	10.5	8.4	7.0	6.0	5.2	4.7	4.2
	30	VC	0.35	25.7	20.6	17.1	12.9	10.3	8.6	7.3	6.4	5.7	5.1
	40	C	0.40	29.7	23.7	19.8	14.8	11.9	9.9	8.5	7.4	6.6	5.9
	50	C	0.45	33.2	26.5	22.1	16.6	13.3	11.1	9.5	8.3	7.4	6.6
	60	M	0.49	36.3	29.1	24.2	18.2	14.5	12.1	10.4	9.1	8.1	7.3
	70	M	0.53	39.3	31.4	26.2	19.6	15.7	13.1	11.2	9.8	8.7	7.9
	80	M	0.57	42.0	33.6	28.0	21.0	16.8	14.0	12.0	10.5	9.3	8.4
	90	M	0.60	44.5	35.6	29.7	22.3	17.8	14.8	12.7	11.1	9.9	8.9
AM11005 (use 24 mesh)	15	XC	0.31	22.7	18.2	15.2	11.4	9.1	7.6	6.5	5.7	5.1	4.5
	20	XC	0.35	26.3	21.0	17.5	13.1	10.5	8.8	7.5	6.6	5.8	5.3
	30	VC	0.43	32.2	25.7	21.4	16.1	12.9	10.7	9.2	8.0	7.1	6.4
	40	C	0.50	37.1	29.7	24.8	18.6	14.9	12.4	10.6	9.3	8.3	7.4
	50	C	0.56	41.5	33.2	27.7	20.8	16.6	13.8	11.9	10.4	9.2	8.3
	60	M	0.61	45.5	36.4	30.3	22.7	18.2	15.2	13.0	11.4	10.1	9.1
	70	M	0.66	49.1	39.3	32.8	24.6	19.7	16.4	14.0	12.3	10.9	9.8
	80	M	0.71	52.5	42.0	35.0	26.3	21.0	17.5	15.0	13.1	11.7	10.5
	90	M	0.75	55.7	44.6	37.1	27.9	22.3	18.6	15.9	13.9	12.4	11.1
AM11006 (use 24 mesh)	15	XC	0.37	27.3	21.8	18.2	13.6	10.9	9.1	7.8	6.8	6.1	5.5
	20	XC	0.42	31.5	25.2	21.0	15.8	12.6	10.5	9.0	7.9	7.0	6.3
	30	VC	0.52	38.6	30.9	25.7	19.3	15.4	12.9	11.0	9.6	8.6	7.7
	40	C	0.60	44.6	35.7	29.7	22.3	17.8	14.9	12.7	11.1	9.9	8.9
	50	C	0.67	49.8	39.9	33.2	24.9	19.9	16.6	14.2	12.5	11.1	10.0
	60	C	0.74	54.6	43.7	36.4	27.3	21.8	18.2	15.6	13.6	12.1	10.9
	70	M	0.79	59.0	47.2	39.3	29.5	23.6	19.7	16.8	14.7	13.1	11.8
	80	M	0.85	63.0	50.4	42.0	31.5	25.2	21.0	18.0	15.8	14.0	12.6
	90	M	0.90	66.8	53.5	44.6	33.4	26.7	22.3	19.1	16.7	14.9	13.4

** Table based on spraying water at 70°F. Flow rates may vary +/- 5%.*

*For alternate nozzle spacings, use the following formula: $\frac{\text{20" spacing}}{\text{New nozzle spacing}}$ X Given GPA rate for 20" spacing = New GPA rate

To find your nearest dealer or to order, go to parts.agcocorp.com

SprayMax Asymmetric DualFan Nozzles

The DF DualFan Nozzle employs conventional flat fan tips in an asymmetric dual cap. The dual tips are oriented 10° forward and 50° rearward to provide a combination of penetration and backside coverage in complex canopies. To maximize coverage, the nozzles may be alternated on the boom to provide four angles of spray orientation into the canopy, effectively spraying the target four times in one pass.
DF nozzles may be used with PWM (pulse width modulation) systems such as Aim Command™, Capstan Synchro™, or Raven Hawkeye™ and other systems, in order to maximize coverage with contact chemicals.

	Liquid Pressure PSI	Droplet Size ASABE	Nozzle Capacity GPM	GALLONS PER ACRE BASED ON 20" NOZZLE SPACING											
				4 MPH	5 MPH	6 MPH	7 MPH	8 MPH	9 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH
DF02 	20	F	0.14	10.5	8.4	7.0	6.0	5.3	4.7	4.2	3.5	3.0	2.6	2.3	2.1
	30	F	0.17	12.9	10.3	8.6	7.3	6.4	5.7	5.1	4.3	3.7	3.2	2.9	2.6
	40	F	0.20	14.9	11.9	9.9	8.5	7.4	6.6	5.9	5.0	4.2	3.7	3.3	3.0
	50	VF	0.22	16.6	13.3	11.1	9.5	8.3	7.4	6.6	5.5	4.7	4.2	3.7	3.3
	60	VF	0.24	18.2	14.5	12.1	10.4	9.1	8.1	7.3	6.1	5.2	4.5	4.0	3.6
DF025 	20	F	0.18	13.1	10.5	8.8	7.5	6.6	5.8	5.3	4.4	3.8	3.3	2.9	2.6
	30	F	0.22	16.1	12.9	10.7	9.2	8.0	7.1	6.4	5.4	4.6	4.0	3.6	3.2
	40	F	0.25	18.6	14.9	12.4	10.6	9.3	8.3	7.4	6.2	5.3	4.6	4.1	3.7
	50	F	0.28	20.8	16.6	13.8	11.9	10.4	9.2	8.3	6.9	5.9	5.2	4.6	4.2
	60	VF	0.31	22.7	18.2	15.2	13.0	11.4	10.1	9.1	7.6	6.5	5.7	5.1	4.5
DF03 	20	F	0.21	15.8	12.6	10.5	9.0	7.9	7.0	6.3	5.3	4.5	3.9	3.5	3.2
	30	F	0.26	19.3	15.4	12.9	11.0	9.6	8.6	7.7	6.4	5.5	4.8	4.3	3.9
	40	F	0.30	22.3	17.8	14.9	12.7	11.1	9.9	8.9	7.4	6.4	5.6	5.0	4.5
	50	F	0.34	24.9	19.9	16.6	14.2	12.5	11.1	10.0	8.3	7.1	6.2	5.5	5.0
	60	F	0.37	27.3	21.8	18.2	15.6	13.6	12.1	10.9	9.1	7.8	6.8	6.1	5.5
DF035 	20	F	0.25	18.4	14.7	12.3	10.5	9.2	8.2	7.4	6.1	5.3	4.6	4.1	3.7
	30	F	0.30	22.5	18.0	15.0	12.9	11.3	10.0	9.0	7.5	6.4	5.6	5.0	4.5
	40	F	0.35	26.0	20.8	17.3	14.9	13.0	11.6	10.4	8.7	7.4	6.5	5.8	5.2
	50	F	0.39	29.1	23.2	19.4	16.6	14.5	12.9	11.6	9.7	8.3	7.3	6.5	5.8
	60	F	0.43	31.8	25.5	21.2	18.2	15.9	14.1	12.7	10.6	9.1	8.0	7.1	6.4
DF04 	20	M	0.28	21.0	16.8	14.0	12.0	10.5	9.3	8.4	7.0	6.0	5.3	4.7	4.2
	30	F	0.35	25.7	20.6	17.1	14.7	12.9	11.4	10.3	8.6	7.3	6.4	5.7	5.1
	40	F	0.40	29.7	23.8	19.8	17.0	14.9	13.2	11.9	9.9	8.5	7.4	6.6	5.9
	50	F	0.45	33.2	26.6	22.1	19.0	16.6	14.8	13.3	11.1	9.5	8.3	7.4	6.6
	60	F	0.49	36.4	29.1	24.2	20.8	18.2	16.2	14.5	12.1	10.4	9.1	8.1	7.3
DF045 	20	M	0.32	23.6	18.9	15.8	13.5	11.8	10.5	9.5	7.9	6.8	5.9	5.3	4.7
	30	F	0.39	28.9	23.1	19.3	16.5	14.5	12.9	11.6	9.6	8.3	7.2	6.4	5.8
	40	F	0.45	33.4	26.7	22.3	19.1	16.7	14.9	13.4	11.1	9.5	8.4	7.4	6.7
	50	F	0.50	37.4	29.9	24.9	21.3	18.7	16.6	14.9	12.5	10.7	9.3	8.3	7.5
	60	F	0.55	40.9	32.7	27.3	23.4	20.5	18.2	16.4	13.6	11.7	10.2	9.1	8.2
DF05 	20	M	0.35	26.3	21.0	17.5	15.0	13.1	11.7	10.5	8.8	7.5	6.6	5.8	5.3
	30	F	0.43	32.2	25.7	21.4	18.4	16.1	14.3	12.9	10.7	9.2	8.0	7.1	6.4
	40	F	0.50	37.1	29.7	24.8	21.2	18.6	16.5	14.9	12.4	10.6	9.3	8.3	7.4
	50	F	0.56	41.5	33.2	27.7	23.7	20.8	18.4	16.6	13.8	11.9	10.4	9.2	8.3
	60	F	0.61	45.5	36.4	30.3	26.0	22.7	20.2	18.2	15.2	13.0	11.4	10.1	9.1
DF055 	20	M	0.39	28.9	23.1	19.3	16.5	14.4	12.8	11.6	9.6	8.3	7.2	6.4	5.8
	30	F	0.48	35.4	28.3	23.6	20.2	17.7	15.7	14.1	11.8	10.1	8.8	7.9	7.1
	40	F	0.55	40.8	32.7	27.2	23.3	20.4	18.2	16.3	13.6	11.7	10.2	9.1	8.2
	50	F	0.61	45.7	36.5	30.4	26.1	22.8	20.3	18.3	15.2	13.0	11.4	10.1	9.1
	60	F	0.67	50.0	40.0	33.3	28.6	25.0	22.2	20.0	16.7	14.3	12.5	11.1	10.0
DF06 	20	M	0.42	31.5	25.2	21.0	18.0	15.8	14.0	12.6	10.5	9.0	7.9	7.0	6.3
	30	M	0.52	38.6	30.9	25.7	22.0	19.3	17.1	15.4	12.9	11.0	9.6	8.6	7.7
	40	F	0.60	44.6	35.6	29.7	25.5	22.3	19.8	17.8	14.9	12.7	11.1	9.9	8.9
	50	F	0.67	49.8	39.8	33.2	28.5	24.9	22.1	19.9	16.6	14.2	12.5	11.1	10.0
	60	F	0.73	54.6	43.6	36.4	31.2	27.3	24.2	21.8	18.2	15.6	13.6	12.1	10.9
DF065 	20	M	0.46	34.1	27.3	22.8	19.5	17.1	15.2	13.7	11.4	9.8	8.5	7.6	6.8
	30	M	0.56	41.8	33.4	27.9	23.9	20.9	18.6	16.7	13.9	11.9	10.4	9.3	8.4
	40	F	0.65	48.3	38.6	32.2	27.6	24.1	21.5	19.3	16.1	13.8	12.1	10.7	9.7
	50	F	0.73	54.0	43.2	36.0	30.8	27.0	24.0	21.6	18.0	15.4	13.5	12.0	10.8
	60	F	0.80	59.1	47.3	39.4	33.8	29.6	26.3	23.6	19.7	16.9	14.8	13.1	11.8

Table based on spraying water at 70°F. Flow rates may vary +/- 5%.

TURBODROP®

TURBODROP® XL NOZZLE	TURBODROP® DUAL FAN NOZZLE	LIQUID PRESSURE PSI	TDXL/ TDCXL DROPLET SIZE ASABE	TADF/ TACDF DROPLET SIZE ASABE	NOZZLE CAPACITY GPM	GALLONS PER ACRE BASED ON 20" NOZZLE SPACING													
						5 MPH	6 MPH	7 MPH	8 MPH	9 MPH	10 MPH	11 MPH	12 MPH	13 MPH	14 MPH	15 MPH	16 MPH	17 MPH	18 MPH	20 MPH
TDXL11003	TADF03	30	XC	VC C	0.26	15.4	12.9	11.0	9.6	8.6	7.7	7.0	6.4	5.9	5.5	5.1	4.8	4.5	4.3	3.9
		40	VC	C	0.30	17.8	14.8	12.7	11.1	9.9	8.9	8.1	7.4	6.8	6.4	5.9	5.6	5.2	4.9	4.5
		50	C	C M	0.34	19.9	16.6	14.2	12.4	11.1	10.0	9.0	8.3	7.7	7.1	6.6	6.2	5.9	5.5	5.0
		60	C	M	0.37	21.8	18.2	15.6	13.6	12.1	10.9	9.9	9.1	8.4	7.8	7.3	6.8	6.4	6.1	5.5
		70	M	M	0.40	23.6	19.6	16.8	14.7	13.1	11.8	10.7	9.8	9.1	8.4	7.9	7.4	6.9	6.5	5.9
		80	M	M F	0.42	25.2	21.0	18.0	15.7	14.0	12.6	11.4	10.5	9.7	9.0	8.4	7.9	7.4	7.0	6.3
		90	M	M F	0.45	26.7	22.3	19.1	16.7	14.8	13.4	12.1	11.1	10.3	9.5	8.9	8.3	7.9	7.4	6.7
		100	M	M F	0.47	28.2	23.5	20.1	17.6	15.6	14.1	12.8	11.7	10.8	10.1	9.4	8.8	8.3	7.8	7.0
(use 50 mesh)		120	M	F	0.52	30.8	25.7	22.0	19.3	17.1	15.4	14.0	12.9	11.9	11.0	10.3	9.6	9.1	8.6	7.7
TDXL11004	TADF04	30	XC	VC C	0.35	20.6	17.1	14.7	12.9	11.4	10.3	9.3	8.6	7.9	7.3	6.9	6.4	6.0	5.7	5.1
		40	VC	C	0.40	23.7	19.8	17.0	14.8	13.2	11.9	10.8	9.9	9.1	8.5	7.9	7.4	7.0	6.6	5.9
		50	C	C M	0.45	26.5	22.1	19.0	16.6	14.7	13.3	12.1	11.1	10.2	9.5	8.8	8.3	7.8	7.4	6.6
		60	C	M	0.49	29.1	24.2	20.8	18.2	16.2	14.5	13.2	12.1	11.2	10.4	9.7	9.1	8.6	8.1	7.3
		70	M	M	0.53	31.4	26.2	22.4	19.6	17.4	15.7	14.3	13.1	12.1	11.2	10.5	9.8	9.2	8.7	7.9
		80	M	M F	0.57	33.6	28.0	24.0	21.0	18.7	16.8	15.3	14.0	12.9	12.0	11.2	10.5	9.9	9.3	8.4
		90	M	M F	0.60	35.6	29.7	25.4	22.3	19.8	17.8	16.2	14.8	13.7	12.7	11.9	11.1	10.5	9.9	8.9
		100	M	M F	0.63	37.5	31.3	26.8	23.5	20.9	18.8	17.1	15.6	14.4	13.4	12.5	11.7	11.0	10.4	9.4
(use 24 mesh) (use 50 mesh)		120	M	M F	0.69	41.1	34.3	29.4	25.7	22.8	20.6	18.7	17.1	15.8	14.7	13.7	12.9	12.1	11.4	10.3
TDXL11005	TADF05	30	XC	VC C	0.43	25.7	21.4	18.4	16.1	14.3	12.9	11.7	10.7	9.9	9.2	8.6	8.0	7.6	7.1	6.4
		40	XC	VC C	0.50	29.7	24.8	21.2	18.6	16.5	14.9	13.5	12.4	11.4	10.6	9.9	9.3	8.7	8.3	7.4
		50	VC	C M	0.56	33.2	27.7	23.7	20.8	18.5	16.6	15.1	13.8	12.8	11.9	11.1	10.4	9.8	9.2	8.3
		60	VC	C M	0.61	36.4	30.3	26.0	22.7	20.2	18.2	16.5	15.2	14.0	13.0	12.1	11.4	10.7	10.1	9.1
		70	C	M	0.66	39.3	32.8	28.1	24.6	21.8	19.7	17.9	16.4	15.1	14.0	13.1	12.3	11.6	10.9	9.8
		80	C	M	0.71	42.0	35.0	30.0	26.3	23.3	21.0	19.1	17.5	16.2	15.0	14.0	13.1	12.4	11.7	10.5
		90	M	M F	0.75	44.6	37.1	31.8	27.9	24.8	22.3	20.3	18.6	17.1	15.9	14.9	13.9	13.1	12.4	11.1
(use 24 mesh) (use 50 mesh)		100	M	M F	0.79	47.0	39.2	33.6	29.4	26.1	23.5	21.4	19.6	18.1	16.8	15.7	14.7	13.8	13.1	11.7
		120	M	M F	0.87	51.5	42.9	36.8	32.2	28.6	25.7	23.4	21.4	19.8	18.4	17.2	16.1	15.1	14.3	12.9
TDXL11006	TADF06	30	XC	VC	0.52	30.9	25.7	22.1	19.3	17.2	15.4	14.0	12.9	11.9	11.0	10.3	9.6	9.1	8.6	7.7
		40	XC	VC	0.60	35.7	29.7	25.5	22.3	19.8	17.8	16.2	14.9	13.7	12.7	11.9	11.1	10.5	9.9	8.9
		50	XC	C	0.67	39.9	33.2	28.5	24.9	22.1	19.9	18.1	16.6	15.3	14.2	13.3	12.5	11.7	11.1	10.0
		60	VC	C	0.74	43.7	36.4	31.2	27.3	24.3	21.8	19.8	18.2	16.8	15.6	14.6	13.6	12.8	12.1	10.9
		70	VC	M	0.79	47.2	39.3	33.7	29.5	26.2	23.6	21.4	19.7	18.1	16.8	15.7	14.7	13.9	13.1	11.8
		80	C	M	0.85	50.4	42.0	36.0	31.5	28.0	25.2	22.9	21.0	19.4	18.0	16.8	15.8	14.8	14.0	12.6
		90	C	M	0.90	53.5	44.6	38.2	33.4	29.7	26.7	24.3	22.3	20.6	19.1	17.8	16.7	15.7	14.9	13.4
(use 24 mesh)		100	M	M	0.95	56.4	47.0	40.3	35.2	31.3	28.2	25.6	23.5	21.7	20.1	18.8	17.6	16.6	15.7	14.1
		120	M	M	1.06	61.8	51.5	44.1	38.6	34.3	30.9	28.1	25.7	23.8	22.1	20.6	19.3	18.2	17.2	15.4
TDXL11008	TADF08	30	XC	VC	0.69	41.0	34.2	29.3	25.6	22.8	20.5	18.6	17.1	15.8	14.6	13.7	12.8	12.1	11.4	10.2
		40	XC	VC	0.80	47.3	39.4	33.8	29.6	26.3	23.7	21.5	19.7	18.2	16.9	15.8	14.8	13.9	13.1	11.8
		50	XC	C	0.89	52.9	44.1	37.8	33.1	29.4	26.5	24.1	22.1	20.4	18.9	17.6	16.5	15.6	14.7	13.2
		60	XC	C	0.98	58.0	48.3	41.4	36.2	32.2	29.0	26.4	24.2	22.3	20.7	19.3	18.1	17.1	16.1	14.5
		70	VC	M	1.05	62.6	52.2	44.7	39.1	34.8	31.3	28.5	26.1	24.1	22.4	20.9	19.6	18.4	17.4	15.7
		80	VC	M	1.13	66.9	55.8	47.8	41.8	37.2	33.5	30.4	27.9	25.7	23.9	22.3	20.9	19.7	18.6	16.7
		90	VC	M	1.20	71.0	59.2	50.7	44.4	39.4	35.5	32.3	29.6	27.3	25.4	23.7	22.2	20.9	19.7	17.8
		100	C	M	1.26	74.8	62.4	53.5	46.8	41.6	37.4	34.0	31.2	28.8	26.7	24.9	23.4	22.0	20.8	18.7
(use 24 mesh)		120	C	M	1.38	82.0	68.3	58.6	51.2	45.5	41.0	37.3	34.2	31.5	29.3	27.3	25.6	24.1	22.8	20.5
TDXL11010	TADF10	30	XC	XC	0.87	51.4	42.8	36.7	32.1	28.6	25.7	23.4	21.4	19.8	18.4	17.1	16.1	15.1	14.3	12.9
		40	XC	XC	1.00	59.4	49.5	42.4	37.1	33.0	29.7	27.0	24.7	22.8	21.2	19.8	18.5	17.5	16.5	14.8
		50	XC	VC	1.12	66.4	55.3	47.4	41.5	36.9	33.2	30.2	27.7	25.5	23.7	22.1	20.7	19.5	18.4	16.6
		60	XC	VC	1.22	72.7	60.6	51.9	45.4	40.4	36.3	33.0	30.3	28.0	26.0	24.2	22.7	21.4	20.2	18.2
		70	XC	VC	1.32	78.5	65.4	56.1	49.1	43.6	39.3	35.7	32.7	30.2	28.0	26.2	24.5	23.1	21.8	19.6
		80	VC	C	1.41	83.9	70.0	60.0	52.5	46.6	42.0	38.2	35.0	32.3	30.0	28.0	26.2	24.7	23.3	21.0
		90	VC	C	1.50	89.0	74.2	63.6	55.6	49.5	44.5	40.5	37.1	34.2	31.8	29.7	27.8	26.2	24.7	22.3
		100	VC	M	1.58	93.9	78.2	67.0	58.7	52.1	46.9	42.7	39.1	36.1	33.5	31.3	29.3	27.6	26.1	23.5
(use 24 mesh)		120	VC	M	1.73	102.8	85.7	73.4	64.3	57.1	51.4	46.7	42.8	39.5	36.7	34.3	32.1	30.2	28.6	25.7
TDXL11015	TADF15	30			1.30	77.1	64.3	55.1	48.2	42.8	38.6	35.0	32.1	29.7	27.5	25.7	24.1	22.7	21.4	19.3
		40			1.50	89.0	74.2	63.6	55.6	49.5	44.5	40.5	37.1	34.2	31.8	29.7	27.8	26.2	24.7	22.3
		50			1.68	99.5	83.0	71.1	62.2	55.3	49.8	45.2	41.5	38.3	35.6	33.2	31.1	29.3	27.7	24.9
		60			1.84	109.0	90.9	77.9	68.2	60.6	54.5	49.6	45.4	41.9	38.9	36.3	34.1	32.1	30.3	27.3
		70			1.98	117.8	98.2	84.1	73.6	65.4	58.9	53.5	49.1	45.3	42.1	39.3	36.8	34.6	32.7	29.4
		80			2.12	125.9	104.9	89.9	78.7	70.0	63.0	57.2	52.5	48.4	45.0	42.0	39.3	37.0	35.0	31.5
		90			2.25	133.6	111.3	95.4	83.5	74.2	66.8	60.7	55.6	51.4	47.7	44.5	41.7	39.3	37.1	33.4
		100			2.37	140.8	117.3	100.6	88.0	78.2	70.4	64.0	58.7	54.1	50.3	46.9	44.0	41.4	39.1	35.2
(use 24 mesh)		120			2.60	154.2	128.5	110.2	96.4	85.7	77.1	70.1	64.3	59.3	55.1	51.4	48.2	45.4	42.8	38.6

* Table based on spraying water at 70°F. Flow rates may vary +/- 5%.

*For alternate nozzle spacings, use the following formula: $\frac{20" \text{ spacing}}{\text{New nozzle spacing}}$ X Given GPA rate for 20" spacing = New GPA rate





TurboDrop® Asymmetric Dual-Fan Nozzle



- Takes double spray nozzles to the next level
- Improved backside coverage and compensation
- 50° rearward spray—10° forward spray
- Medium-coarse droplets below 80 PSI (for most sizes)
- Medium-fine droplets above 80 PSI (for most sizes)

Part	Description
AG428610	Nozzle, TADF01
AG428891	Nozzle, TADF015
AG428403	Nozzle, TADF02
AG428404	Nozzle, TADF025
AG428405	Nozzle, TADF03
AG428406	Nozzle, TADF04
AG428407	Nozzle, TADF05
AG428408	Nozzle, TADF06
AG428409	Nozzle, TADF08
AG428410	Nozzle, TADF10
AG428914	Nozzle, TADF15
AG428611	Ceramic Nozzle, TACDF01
AG428612	Ceramic Nozzle, TACDF015
AG428613	Ceramic Nozzle, TACDF02
AG428614	Ceramic Nozzle, TACDF025
AG428615	Ceramic Nozzle, TACDF03
AG428616	Ceramic Nozzle, TACDF04
AG428617	Ceramic Nozzle, TACDF05
AG428618	Ceramic Nozzle, TACDF06
AG428619	Ceramic Nozzle, TACDF08
AG428620	Ceramic Nozzle, TACDF10

To find your nearest dealer or to order, go to parts.agcocorp.com

SprayMax™ DualFan Nozzle



The SprayMax™ DualFan (DF) nozzle employs conventional flat fan tips in an asymmetric dual cap. The dual tips are oriented 10° forward and 50° rearward to provide a combination of penetration and backside coverage in complex canopies. To maximize coverage, alternate the direction of each nozzle on the boom to provide four angles of spray orientation into the canopy—effectively spraying the target four times in one pass!

Part	Description
AG428633	Nozzle, DF02
AG428634	Nozzle, DF025
AG428635	Nozzle, DF03
AG428636	Nozzle, DF035
AG428637	Nozzle, DF04
AG428638	Nozzle, DF045
AG428639	Nozzle, DF05
AG428640	Nozzle, DF055
AG428641	Nozzle, DF06
AG428642	Nozzle, DF065
AG428643	Nozzle, DF07
AG428644	Nozzle, DF075
AG428645	Nozzle, DF08
AG428646	Nozzle, DF09
AG428647	Nozzle, DF10
AG428648	Nozzle, DF12
AG428649	Nozzle, DF14
AG428650	Nozzle, DF16
AG428651	Nozzle, DF18
AG428652	Nozzle, DF20

Greenleaf TurboDrop® XL Venturi Nozzles



Multi-purpose, medium-pressure air-injection nozzle. The TurboDrop® XL nozzle is unique among air-injection nozzles in that it was designed for contact chemicals, not just glyphosate (a systemic herbicide). In fact, the TurboDrop® XL (and the AirMix®) are the only air-injection nozzles recommended by Bayer CropScience for use with Ignite® herbicide.

Part	Description
AG057496	TDXL 11001
AG057497	TDXL 110015
AG057498	TDXL 11002
AG057499	TDXL 110025
AG057500	TDXL 11003
AG057501	TDXL 11004
AG057502	TDXL 11005
AG057503	TDXL 11006
AG057504	TDXL 11008
AG057505	TDXL 11010
AG057437	Replacement Gasket
AG057942	Strainer 50 Mesh
AG725636	Strainer 24 Mesh

Semi-Ceramic TurboDrop XL Venturi Nozzles



Features a ceramic Venturi and comes with a polyacetal exit tip. The ceramic Venturi and high-pressure operating range make it an excellent choice for spraying insecticides and fungicides in crops such as cotton, sugar beets, and potatoes, and is also a good choice for most contact herbicides.

Part	Description
AG726461	TDCXL 11001
AG726462	TDCXL 110015
AG726463	TDCXL 11002
AG726464	TDCXL 110025
AG726465	TDCXL 11003
AG726466	TDCXL 11004
AG726467	TDCXL 11005
AG726468	TDCXL 11006
AG726469	TDCXL 11008
AG726470	TDCXL 11010

Medium Pressure TDXL Venturi Only



Multi-purpose, medium pressure Venturi body without exit tip and cap. The Venturi is used in several Greenleaf Cap combos, which include TDXL, TDXL-D, TADF, and TADF-D.

Features:

- Polyacetal Venturi body with EPDM seat gasket.
- Accepts conventional caps and tips (flat fan, twin fan, hollow cone, flood, off center, etc.).
- 20-120 PSI overall pressure range.

Note: *Pattern tip must be double the size of the Venturi.*

Part	Description
AG430462	TDXLV02
AG430463	TDXLV025
AG429173	TDXLV03
AG429174	TDXLV04
AG430464	TDXLV05

SprayMax Extended Range 110°/80° Tip



Highly economical Extended Range Flat Tip Fan. This is the flat fan tip also used in the TADF, TADF-D, SprayMax DualFan (DF) and TWVR assemblies.

Features:

- Fits conventional caps.
- Excellent spray distribution over a wide range of pressure (15-60 PSI).
- Polyacetal construction.

Part	Description
AG430465	SMP11001
AG430466	SMP110015
AG430467	SMP11002
AG430468	SMP110025
AG429937	SMP11003
AG429910	SMP11004
AG429938	SMP11005
AG429939	SMP11006
AG429940	SMP11008
AG429941	SMP11010
AG429952	SMP8003
AG429953	SMP8004
AG429952	SMP8005
AG429909	SMP8006

TurboDrop® D Version Nozzles



The D version of the TurboDrop nozzle utilizes a larger pattern tip or combination of pattern tips to create a greater pressure drop, and, thus, an even coarser droplet. For example, the original TDXL11003 nozzle combines a blue 03 Venturi with a gray 11006 pattern tip. The TDXL11003-D combines this same 03 Venturi with a white 11008 pattern tip. The flow rate is the same, but the droplet size is larger due to the greater pressure drop. Similarly, the TADF03-D DualFan combines a blue Venturi with a DualCap containing a 11003 and 8005 tip combination (rather than the traditional 11002 and 8004 combination). The D version of the TurboDrop nozzles was designed with dicamba and 2,4-D in mind, where a coarser spray droplet is desirable. It is important to remember that, as sprays become coarser, coverage may be compromised. Choosing the DualFan TurboDrop, and alternating the nozzles on the boom, will help counter the potential loss of coverage by effectively spraying the target four times in one pass.

Part	Description
AG428705	Nozzle, TDXL11001-D
AG428706	Nozzle, TDXL110015-D
AG428707	Nozzle, TDXL11002-D
AG428708	Nozzle, TDXL110025-D
AG428709	Nozzle, TDXL11003-D
AG428710	Nozzle, TDXL11004-D
AG428711	Nozzle, TDXL11005-D
AG428712	Nozzle, TDXL11006-D
AG428713*	Nozzle, TDXL11008-D
AG428714	Nozzle, TADF11001-D
AG428715	Nozzle, TADF110015-D
AG428716	Nozzle, TADF11002-D
AG428717	Nozzle, TADF110025-D
AG428718	Nozzle, TADF11003-D
AG428719	Nozzle, TADF11004-D
AG428720	Nozzle, TADF11005-D
AG428721	Nozzle, TADF11006-D
AG428722	Nozzle, TADF11008-D
AG428851	Nozzle, TACDF01-D
AG428852	Nozzle, TACDF015-D
AG428853	Nozzle, TACDF02-D
AG428854	Nozzle, TACDF025-D
AG428855	Nozzle, TACDF03-D
AG428856	Nozzle, TACDF04-D
AG428857	Nozzle, TACDF05-D
AG428858	Nozzle, TACDF06-D
AG428859	Nozzle, TACDF08-D

*See Note in your order system before placing your order

TURBODROP®

TURBODROP® D VERSION	LIQUID PRESSURE PSI	DROPLET SIZE ASABE TDXL-D	DROPLET SIZE ASABE TADF-D	NOZZLE CAPACITY GPM	GALLONS PER ACRE BASED ON 20" NOZZLE SPACING 5 MPH	6 MPH	7 MPH	8 MPH	9 MPH	10 MPH	11 MPH	12 MPH	13 MPH	14 MPH	15 MPH	16 MPH	17 MPH	18 MPH	20 MPH
TDXL11002-D TADF02-D (Use 50 mesh)	30	UC	UC	0.17	10.3	8.6	7.3	6.4	5.7	5.1	4.7	4.3	4.0	3.7	3.4	3.2	3.0	2.9	2.6
	40	XC	XC	0.20	11.9	9.9	8.5	7.4	6.6	5.9	5.4	4.9	4.6	4.2	4.0	3.7	3.5	3.3	3.0
	50	XC	XC	0.22	13.3	11.1	9.5	8.3	7.4	6.6	6.0	5.5	5.1	4.7	4.4	4.1	3.9	3.7	3.3
	60	XC	XC	0.24	14.5	12.1	10.4	9.1	8.1	7.3	6.6	6.1	5.6	5.2	4.8	4.5	4.3	4.0	3.6
	70	VC	VC	0.26	15.7	13.1	11.2	9.8	8.7	7.9	7.1	6.5	6.0	5.6	5.2	4.9	4.6	4.4	3.9
	80	VC	VC	0.28	16.8	14.0	12.0	10.5	9.3	8.4	7.6	7.0	6.5	6.0	5.6	5.2	4.9	4.7	4.2
	90	VC	VC	0.30	17.8	14.8	12.7	11.1	9.9	8.9	8.1	7.4	6.8	6.4	5.9	5.6	5.2	4.9	4.5
	100			0.32	18.8	15.6	13.4	11.7	10.4	9.4	8.5	7.8	7.2	6.7	6.3	5.9	5.5	5.2	4.7
	120			0.35	20.6	17.1	14.7	12.9	11.4	10.3	9.3	8.6	7.9	7.3	6.9	6.4	6.0	5.7	5.1
TDXL110025-D TADF025-D (Use 50 mesh)	30	UC	UC	0.22	12.9	10.7	9.2	8.0	7.1	6.4	5.8	5.4	4.9	4.6	4.3	4.0	3.8	3.6	3.2
	40	XC	XC	0.25	14.8	12.4	10.6	9.3	8.2	7.4	6.7	6.2	5.7	5.3	4.9	4.6	4.4	4.1	3.7
	50	XC	XC	0.28	16.6	13.8	11.9	10.4	9.2	8.3	7.5	6.9	6.4	5.9	5.5	5.2	4.9	4.6	4.1
	60	XC	XC	0.31	18.2	15.1	13.0	11.4	10.1	9.1	8.3	7.6	7.0	6.5	6.1	5.7	5.3	5.0	4.5
	70	VC	VC	0.33	19.6	16.4	14.0	12.3	10.9	9.8	8.9	8.2	7.6	7.0	6.5	6.1	5.8	5.5	4.9
	80	VC	VC	0.35	21.0	17.5	15.0	13.1	11.7	10.5	9.5	8.7	8.1	7.5	7.0	6.6	6.2	5.8	5.2
	90	VC	VC	0.37	22.3	18.5	15.9	13.9	12.4	11.1	10.1	9.3	8.6	7.9	7.4	7.0	6.5	6.2	5.6
	100			0.40	23.5	19.6	16.8	14.7	13.0	11.7	10.7	9.8	9.0	8.4	7.8	7.3	6.9	6.5	5.9
	120			0.43	25.7	21.4	18.4	16.1	14.3	12.9	11.7	10.7	9.9	9.2	8.6	8.0	7.6	7.1	6.4
TDXL11003-D TADF03-D (Use 50 mesh)	30	UC	UC	0.26	15.4	12.9	11.0	9.6	8.6	7.7	7.0	6.4	5.9	5.5	5.1	4.8	4.5	4.3	3.9
	40	UC	UC	0.30	17.8	14.8	12.7	11.1	9.9	8.9	8.1	7.4	6.8	6.4	5.9	5.6	5.2	4.9	4.5
	50	XC	XC	0.34	19.9	16.6	14.2	12.4	11.1	10.0	9.0	8.3	7.7	7.1	6.6	6.2	5.9	5.5	5.0
	60	XC	XC	0.37	21.8	18.2	15.6	13.6	12.1	10.9	9.9	9.1	8.4	7.8	7.3	6.8	6.4	6.1	5.5
	70	XC	XC	0.40	23.6	19.6	16.8	14.7	13.1	11.8	10.7	9.8	9.1	8.4	7.9	7.4	6.9	6.5	5.9
	80	VC	VC	0.42	25.2	21.0	18.0	15.7	14.0	12.6	11.4	10.5	9.7	9.0	8.4	7.9	7.4	7.0	6.3
	90	VC	VC	0.45	26.7	22.3	19.1	16.7	14.8	13.4	12.1	11.1	10.3	9.5	8.9	8.3	7.9	7.4	6.7
	100			0.47	28.2	23.5	20.1	17.6	15.6	14.1	12.8	11.7	10.8	10.1	9.4	8.8	8.3	7.8	7.0
	120			0.52	30.8	25.7	22.0	19.3	17.1	15.4	14.0	12.9	11.9	11.0	10.3	9.6	9.1	8.6	7.7
TDXL11004-D TADF04-D (Use 24 mesh)	30	UC	UC	0.35	20.6	17.1	14.7	12.9	11.4	10.3	9.3	8.6	7.9	7.3	6.9	6.4	6.0	5.7	5.1
	40	UC	UC	0.40	23.7	19.8	17.0	14.8	13.2	11.9	10.8	9.9	9.1	8.5	7.9	7.4	7.0	6.6	5.9
	50	UC	XC	0.45	26.5	22.1	19.0	16.6	14.7	13.3	12.1	11.1	10.2	9.5	8.8	8.3	7.8	7.4	6.6
	60	XC	XC	0.49	29.1	24.2	20.8	18.2	16.2	14.5	13.2	12.1	11.2	10.4	9.7	9.1	8.6	8.1	7.3
	70	XC	XC	0.53	31.4	26.2	22.4	19.6	17.4	15.7	14.3	13.1	12.1	11.2	10.5	9.8	9.2	8.7	7.9
	80	XC	XC	0.57	33.6	28.0	24.0	21.0	18.7	16.8	15.3	14.0	12.9	12.0	11.2	10.5	9.9	9.3	8.4
	90	XC	VC	0.60	35.6	29.7	25.4	22.3	19.8	17.8	16.2	14.8	13.7	12.7	11.9	11.1	10.5	9.9	8.9
	100			0.63	37.5	31.3	26.8	23.5	20.9	18.8	17.1	15.6	14.4	13.4	12.5	11.7	11.0	10.4	9.4
	120			0.69	41.1	34.3	29.4	25.7	22.8	20.6	18.7	17.1	15.8	14.7	13.7	12.9	12.1	11.4	10.3
TDXL11005-D TADF05-D (Use 24 mesh)	30	UC	UC	0.43	25.7	21.4	18.4	16.1	14.3	12.9	11.7	10.7	9.9	9.2	8.6	8.0	7.6	7.1	6.4
	40	UC	UC	0.50	29.7	24.8	21.2	18.6	16.5	14.9	13.5	12.4	11.4	10.6	9.9	9.3	8.7	8.3	7.4
	50	UC	XC	0.56	33.2	27.7	23.7	20.8	18.5	16.6	15.1	13.8	12.8	11.9	11.1	10.4	9.8	9.2	8.3
	60	UC	XC	0.61	36.4	30.3	26.0	22.7	20.2	18.2	16.5	15.2	14.0	13.0	12.1	11.4	10.7	10.1	9.1
	70	UC	XC	0.66	39.3	32.8	28.1	24.6	21.8	19.7	17.9	16.4	15.1	14.0	13.1	12.3	11.6	10.9	9.8
	80	XC	VC	0.71	42.0	35.0	30.0	26.3	23.3	21.0	19.1	17.5	16.2	15.0	14.0	13.1	12.4	11.7	10.5
	90	XC^	VC^	0.75	44.6	37.1	31.8	27.9	24.8	22.3	20.3	18.6	17.1	15.9	14.9	13.9	13.1	12.4	11.1
	100			0.79	47.0	39.2	33.6	29.4	26.1	23.5	21.4	19.6	18.1	16.8	15.7	14.7	13.8	13.1	11.7
	120			0.87	51.5	42.9	36.8	32.2	28.6	25.7	23.4	21.4	19.8	18.4	17.2	16.1	15.1	14.3	12.9
TDXL11006-D TADF06-D (Use 24 mesh)	30	UC	UC	0.52	30.9	25.7	22.1	19.3	17.2	15.4	14.0	12.9	11.9	11.0	10.3	9.6	9.1	8.6	7.7
	40	UC	UC	0.60	35.7	29.7	25.5	22.3	19.8	17.8	16.2	14.9	13.7	12.7	11.9	11.1	10.5	9.9	8.9
	50	UC	UC	0.67	39.9	33.2	28.5	24.9	22.1	19.9	18.1	16.6	15.3	14.2	13.3	12.5	11.7	11.1	10.0
	60	UC	XC	0.74	43.7	36.4	31.2	27.3	24.3	21.8	19.8	18.2	16.8	15.6	14.6	13.6	12.8	12.1	10.9
	70	UC	XC	0.79	47.2	39.3	33.7	29.5	26.2	23.6	21.4	19.7	18.1	16.8	15.7	14.7	13.9	13.1	11.8
	80	UC	XC	0.85	50.4	42.0	36.0	31.5	28.0	25.2	22.9	21.0	19.4	18.0	16.8	15.8	14.8	14.0	12.6
	90	UC^	XC^	0.90	53.5	44.6	38.2	33.4	29.7	26.7	24.3	22.3	20.6	19.1	17.8	16.7	15.7	14.9	13.4
	100			0.95	56.4	47.0	40.3	35.2	31.3	28.2	25.6	23.5	21.7	20.1	18.8	17.6	16.6	15.7	14.1
	120			1.06	61.8	51.5	44.1	38.6	34.3	30.9	28.1	25.7	23.8	22.1	20.6	19.3	18.2	17.2	15.4

ASABE droplet size based on University of Nebraska-Lincoln wind tunnel testing.
All models also available with ceramic orifice (example part number: TDCXL11002-D/TACDF02-D). ^Estimated.

1-800-881-4832 · www.GreenleafTech.com

To find your nearest dealer or to order, go to parts.agcocorp.com

TurboDrop® Variable Rate Nozzles



Part	Description
AG429014	Nozzle, TDVR015
AG429015	Nozzle, TDVR02
AG429016	Nozzle, TDVR03
AG429017	Nozzle, TDVR05
AG429018	Nozzle, TWVR015
AG429019	Nozzle, TWVR02
AG429020	Nozzle, TWVR03
AG429021	Nozzle, TWVR05

TURBO DROP®

Each TurboDrop® Variable Rate nozzle will cover the range of two to three standard TurboDrop® nozzle sizes. The flow rate increases more rapidly with an increase in pressure, making Variable Rate nozzles useful in covering wider speed ranges or providing on-the-go variable rate application. As with all ag spray nozzles, it is important to match droplet size to the application type. The DualFan Variable Rate will provide a smaller droplet size spectrum compared to the single fan version, as well as deliver dual spray coverage. To maximize coverage with the TWVR nozzles, alternate them on the boom to deliver four angles of spray orientation to the target.

- 3x flow rate at constant speed (Variable rate applications)
- 3x speed range at constant GPA rate (Variable speed applications)
- Flow tolerance: ± 5% (MKII version)
- Flow control (vs. pressure control) systems will be more accurate
- Flush with clean water after each use
- Operate above 45 psi for best patternation
- Tabulations based on spraying water at 70°F

Pressure Range: 40-140 psi **Recommended Boom Height:** 18-36" (on 20" centers)

Materials of Construction: Polyacetal, EPDM, Stainless steel



Press.	TDVR DROPLET SIZE	TWVR DROPLET SIZE	Flow	GALLONS PER ACRE BASED ON 20" NOZZLE SPACING														
PSI	ASABE	ASABE	GPM	4	5	6	8	9	10	11	12	13	14	15	16	17	18	19	20
40	XC	VC	0.17	12.6	10.1	8.4	6.3	5.6	5.0	4.6	4.2	3.9	3.6	3.4	3.2	3.0	2.8	2.7	2.5
50	VC	VC	0.22	16.3	13.1	10.9	8.2	7.3	6.5	5.9	5.4	5.0	4.7	4.4	4.1	3.8	3.6	3.4	3.3
60	VC	C	0.27	20.0	16.0	13.4	10.0	8.9	8.0	7.3	6.7	6.2	5.7	5.3	5.0	4.7	4.5	4.2	4.0
70	C	C	0.33	24.5	19.6	16.3	12.3	10.9	9.8	8.9	8.2	7.5	7.0	6.5	6.1	5.8	5.4	5.2	4.9
80	M	M	0.38	28.2	22.6	18.8	14.1	12.5	11.3	10.3	9.4	8.7	8.1	7.5	7.1	6.6	6.3	5.9	5.6
90	M	M	0.42	31.2	24.9	20.8	15.6	13.9	12.5	11.3	10.4	9.6	8.9	8.3	7.8	7.3	6.9	6.6	6.2
100	M	F	0.45	33.4	26.7	22.3	16.7	14.9	13.4	12.2	11.1	10.3	9.5	8.9	8.4	7.9	7.4	7.0	6.7
120	F	F	0.50	37.1	29.7	24.8	18.6	16.5	14.9	13.5	12.4	11.4	10.6	9.9	9.3	8.7	8.3	7.8	7.4
140	F	F	0.54	40.1	32.1	26.7	20.0	17.8	16.0	14.6	13.4	12.3	11.5	10.7	10.0	9.4	8.9	8.4	8.0



Press.	DROPLET SIZE	DROPLET SIZE	Flow	GALLONS PER ACRE BASED ON 20" NOZZLE SPACING														
PSI	ASABE	ASABE	GPM	4	5	6	8	9	10	11	12	13	14	15	16	17	18	19	20
40	XC	VC	0.22	16.3	13.1	10.9	8.2	7.3	6.5	5.9	5.4	5.0	4.7	4.4	4.1	3.8	3.6	3.4	3.3
50	XC	VC	0.29	21.5	17.2	14.4	10.8	9.6	8.6	7.8	7.2	6.6	6.2	5.7	5.4	5.1	4.8	4.5	4.3
60	VC	C	0.42	31.2	24.9	20.8	15.6	13.9	12.5	11.3	10.4	9.6	8.9	8.3	7.8	7.3	6.9	6.6	6.2
70	C	C	0.51	37.9	30.3	25.2	18.9	16.8	15.1	13.8	12.6	11.7	10.8	10.1	9.5	8.9	8.4	8.0	7.6
80	C	M	0.58	43.1	34.5	28.7	21.5	19.1	17.2	15.7	14.4	13.3	12.3	11.5	10.8	10.1	9.6	9.1	8.6
90	M	M	0.64	47.5	38.0	31.7	23.8	21.1	19.0	17.3	15.8	14.6	13.6	12.7	11.9	11.2	10.6	10.0	9.5
100	M	F	0.69	51.2	41.0	34.2	25.6	22.8	20.5	18.6	17.1	15.8	14.6	13.7	12.8	12.1	11.4	10.8	10.2
120	M	F	0.75	55.7	44.6	37.1	27.8	24.8	22.3	20.3	18.6	17.1	15.9	14.9	13.9	13.1	12.4	11.7	11.1
140	F	F	0.82	60.9	48.7	40.6	30.4	27.1	24.4	22.1	20.3	18.7	17.4	16.2	15.2	14.3	13.5	12.8	12.2



Press.	DROPLET SIZE	DROPLET SIZE	Flow	GALLONS PER ACRE BASED ON 20" NOZZLE SPACING														
PSI	ASABE	ASABE	GPM	4	5	6	8	9	10	11	12	13	14	15	16	17	18	19	20
40	XC	VC	0.33	24.5	19.6	16.3	12.3	10.9	9.8	8.9	8.2	7.5	7.0	6.5	6.1	5.8	5.4	5.2	4.9
50	XC	VC	0.41	30.4	24.4	20.3	15.2	13.5	12.2	11.1	10.1	9.4	8.7	8.1	7.6	7.2	6.8	6.4	6.1
60	VC	C	0.51	37.9	30.3	25.2	18.9	16.8	15.1	13.8	12.6	11.7	10.8	10.1	9.5	8.9	8.4	8.0	7.6
70	VC	C	0.67	49.7	39.8	33.2	24.9	22.1	19.9	18.1	16.6	15.3	14.2	13.3	12.4	11.7	11.1	10.5	9.9
80	C	M	0.80	59.4	47.5	39.6	29.7	26.4	23.8	21.6	19.8	18.3	17.0	15.8	14.9	14.0	13.2	12.5	11.9
90	C	M	0.87	64.6	51.7	43.1	32.3	28.7	25.8	23.5	21.5	19.9	18.5	17.2	16.1	15.2	14.4	13.6	12.9
100	M	F	0.93	69.1	55.2	46.0	34.5	30.7	27.6	25.1	23.0	21.2	19.7	18.4	17.3	16.2	15.3	14.5	13.8
120	M	F	1.02	75.7	60.6	50.5	37.9	33.7	30.3	27.5	25.2	23.3	21.6	20.2	18.9	17.8	16.8	15.9	15.1
140	M	F	1.10	81.7	65.3	54.5	40.8	36.3	32.7	29.7	27.2	25.1	23.3	21.8	20.4	19.2	18.2	17.2	16.3



Press.	DROPLET SIZE	DROPLET SIZE	Flow	GALLONS PER ACRE BASED ON 20" NOZZLE SPACING														
PSI	ASABE	ASABE	GPM	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20
40			0.78	57.9	46.3	38.6	33.1	29.0	25.7	23.2	21.1	19.3	17.8	16.5	15.4	14.5	13.6	12.9	11.6
50			0.98	72.8	58.2	48.5	41.6	36.4	32.3	29.1	26.5	24.3	22.4	20.8	19.4	18.2	17.1	16.2	14.6
60			1.15	85.4	68.3	56.9	48.8	42.7	38.0	34.2	31.1	28.5	26.3	24.4	22.8	21.3	20.1	19.0	17.1
70			1.33	98.8	79.0	65.8	56.4	49.4	43.9	39.5	35.9	32.9	30.4	28.2	26.3	24.7	23.2	21.9	19.8
80	TBD	TBD	1.45	107.7	86.1	71.8	61.5	53.8	47.9	43.1	39.2	35.9	33.1	30.8	28.7	26.9	25.3	23.9	21.5
90			1.57	116.6	93.3	77.7	66.6	58.3	51.8	46.6	42.4	38.9	35.9	33.3	31.1	29.1	27.4	25.9	23.3
100			1.69	125.5	100.4	83.7	71.7	62.7	55.8	50.2	45.6	41.8	38.6	35.9	33.5	31.4	29.5	27.9	25.1
120			1.80	133.7	106.9	89.1	76.4	66.8	59.4	53.5	48.6	44.6	41.1	38.2	35.6	33.4	31.4	29.7	26.7
140			1.89	140.3	112.3	93.6	80.2	70.2	62.4	56.1	51.0	46.8	43.2	40.1	37.4	35.1	33.0	31.2	28.1

TurboDrop® Variable Rate Fertilizer Nozzle

The TurboDrop Variable Rate Fertilizer Nozzle is designed to apply liquid fertilizer at a 4-5x flow rate range to allow for varying fertilizer requirements of the target crop. The TurboDrop Variable Rate may be operated from 10-140 psi, allowing up to a 5x rate change at a given speed. Additionally, the TDVRF, TDVREX, and TDVRHB can maintain a constant GPA rate over a 5x speed change. The TurboDrop Variable Rate check valve design keeps flow accuracy to ± 5%.The TDVRF utilizes a six-hole streaming tip in order to minimize potential leaf burn while maximizing fertilizer distribution, maintaining uniformity with varying spray heights. The TDVRHB utilizes a 3/8" hose barb, and the TDVREX quick connect, for ease of installation on fertilizer rigs, replacing standard orifice discs. The TDVRF, TDVRHB and TDVREX are "airless," providing a wider operating range, and eliminating the possibility of fertilizer spitting from the side.

TURBO DROP®

TurboDrop® Variable Rate Fertilizer Nozzles



TurboDrop® Variable Rate Fertilizer (TDVRF)	TurboDrop® Variable Rate Fertilizer Hose Barb (TDVRHB)	TurboDrop® Variable Rate Fertilizer Quick Connect (TDVREX)
		
TDVRF015 TDVRF02 TDVRF03 TDVRF05	TDVRHB015 TDVRHB02 TDVRHB03 TDVRHB05	TDVREX015 TDVREX02 TDVREX03 TDVREX05

Part	Description
AG428953	Nozzle, TDVRF015
AG428954	Nozzle, TDVRF02
AG428955	Nozzle, TDVRF03
AG428956	Nozzle, TDVRF05
AG428957	Nozzle, TDVRHB015
AG428958	Nozzle, TDVRHB02
AG428959	Nozzle, TDVRHB03
AG428960	Nozzle, TDVRHB05
ACP0392500	Nozzle, TDVREX015
ACP0392510	Nozzle, TDVREX02
ACP0392520	Nozzle, TDVREX03
ACP0392530	Nozzle, TDVREX05

TDVRF015



(approx. ISO 015-03)

Press.	Flow	GALLONS PER ACRE BASED ON 30" NOZZLE SPACING *																
PSI	GPM	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20
10	0.123	8.1	6.1	4.9	4.1	3.5	3.0	2.7	2.4	2.2	2.0	1.9	1.7	1.6	1.5	1.4	1.4	1.2
20	0.174	11.5	8.6	6.9	5.7	4.9	4.3	3.8	3.4	3.1	2.9	2.7	2.5	2.3	2.2	2.0	1.9	1.7
30	0.266	17.6	13.2	10.5	8.8	7.5	6.6	5.9	5.3	4.8	4.4	4.1	3.8	3.5	3.3	3.1	2.9	2.6
40	0.350	23.1	17.3	13.9	11.6	9.9	8.7	7.7	6.9	6.3	5.8	5.3	5.0	4.6	4.3	4.1	3.9	3.5
50	0.391	25.8	19.4	15.5	12.9	11.1	9.7	8.6	7.7	7.0	6.5	6.0	5.5	5.2	4.8	4.6	4.3	3.9
60	0.443	29.2	21.9	17.5	14.6	12.5	11.0	9.7	8.8	8.0	7.3	6.7	6.3	5.8	5.5	5.2	4.9	4.4
70	0.483	31.9	23.9	19.1	15.9	13.7	12.0	10.6	9.6	8.7	8.0	7.4	6.8	6.4	6.0	5.6	5.3	4.8
80	0.516	34.1	25.5	20.4	17.0	14.6	12.8	11.4	10.2	9.3	8.5	7.9	7.3	6.8	6.4	6.0	5.7	5.1
100	0.566	37.4	28.0	22.4	18.7	16.0	14.0	12.5	11.2	10.2	9.3	8.6	8.0	7.5	7.0	6.6	6.2	5.6
120	0.620	40.9	30.7	24.6	20.5	17.5	15.3	13.6	12.3	11.2	10.2	9.4	8.8	8.2	7.7	7.2	6.8	6.1
140	0.670	44.2	33.2	26.5	22.1	19.0	16.6	14.7	13.3	12.1	11.1	10.2	9.5	8.8	8.3	7.8	7.4	6.6

TDVRHB02



(approx. ISO 02-04)

Press.	Flow	GALLONS PER ACRE BASED ON 30" NOZZLE SPACING *																
PSI	GPM	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20
10	0.180	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.2	3.0	2.7	2.5	2.4	2.2	2.1	2.0	1.8
20	0.251	16.6	12.4	9.9	8.3	7.1	6.2	5.5	5.0	4.5	4.1	3.8	3.5	3.3	3.1	2.9	2.8	2.5
30	0.384	25.3	19.0	15.2	12.7	10.9	9.5	8.4	7.6	6.9	6.3	5.8	5.4	5.1	4.8	4.5	4.2	3.8
40	0.512	33.8	25.3	20.3	16.9	14.5	12.7	11.3	10.1	9.2	8.4	7.8	7.2	6.8	6.3	6.0	5.6	5.1
50	0.575	38.0	28.5	22.8	19.0	16.3	14.2	12.7	11.4	10.4	9.5	8.8	8.1	7.6	7.1	6.7	6.3	5.7
60	0.653	43.1	32.3	25.9	21.5	18.5	16.2	14.4	12.9	11.8	10.8	9.9	9.2	8.6	8.1	7.6	7.2	6.5
70	0.696	45.9	34.5	27.6	23.0	19.7	17.2	15.3	13.8	12.5	11.5	10.6	9.8	9.2	8.6	8.1	7.7	6.9
80	0.744	49.1	36.8	29.5	24.6	21.0	18.4	16.4	14.7	13.4	12.3	11.3	10.5	9.8	9.2	8.7	8.2	7.4
100	0.821	54.2	40.6	32.5	27.1	23.2	20.3	18.1	16.3	14.8	13.5	12.5	11.6	10.8	10.2	9.6	9.0	8.1
120	0.900	59.4	44.6	35.6	29.7	25.5	22.3	19.8	17.8	16.2	14.9	13.7	12.7	11.9	11.1	10.5	9.9	8.9
140	0.972	64.2	48.1	38.5	32.1	27.5	24.1	21.4	19.2	17.5	16.0	14.8	13.7	12.8	12.0	11.3	10.7	9.6

TDVREX03



(approx. ISO 03-06)

Press.	Flow	GALLONS PER ACRE BASED ON 30" NOZZLE SPACING *																
PSI	GPM	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20
10	0.230	15.2	11.4	9.1	7.6	6.5	5.7	5.1	4.6	4.1	3.8	3.5	3.3	3.0	2.8	2.7	2.5	2.3
20	0.326	21.5	16.1	12.9	10.8	9.2	8.1	7.2	6.5	5.9	5.4	5.0	4.6	4.3	4.0	3.8	3.6	3.2
30	0.492	32.5	24.4	19.5	16.2	13.9	12.2	10.8	9.7	8.9	8.1	7.5	7.0	6.5	6.1	5.7	5.4	4.9
40	0.661	43.6	32.7	26.2	21.8	18.7	16.4	14.5	13.1	11.9	10.9	10.1	9.3	8.7	8.2	7.7	7.3	6.5
50	0.739	48.8	36.6	29.3	24.4	20.9	18.3	16.3	14.6	13.3	12.2	11.3	10.5	9.8	9.1	8.6	8.1	7.3
60	0.825	54.5	40.8	32.7	27.2	23.3	20.4	18.2	16.3	14.9	13.6	12.6	11.7	10.9	10.2	9.6	9.1	8.2
70	0.885	58.4	43.8	35.0	29.2	25.0	21.9	19.5	17.5	15.9	14.6	13.5	12.5	11.7	11.0	10.3	9.7	8.8
80	0.943	62.2	46.7	37.3	31.1	26.7	23.3	20.7	18.7	17.0	15.6	14.4	13.3	12.4	11.7	11.0	10.4	9.3
100	1.054	69.6	52.2	41.7	34.8	29.8	26.1	23.2	20.9	19.0	17.4	16.1	14.9	13.9	13.0	12.3	11.6	10.4
120	1.154	76.2	57.1	45.7	38.1	32.6	28.6	25.4	22.8	20.8	19.0	17.6	16.3	15.2	14.3	13.4	12.7	11.4
140	1.247	82.3	61.7	49.4	41.2	35.3	30.9	27.4	24.7	22.4	20.6	19.0	17.6	16.5	15.4	14.5	13.7	12.3

TDVRF05



(approx. ISO 05-10)

Press.	Flow	GALLONS PER ACRE BASED ON 30" NOZZLE SPACING *																
PSI	GPM	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20
10	0.454	30.0	22.5	18.0	15.0	12.8	11.2	10.0	9.0	8.2	7.5	6.9	6.4	6.0	5.6	5.3	5.0	4.5
20	0.642	42.4	31.8	25.4	21.2	18.2	15.9	14.1	12.7	11.6	10.6	9.8	9.1	8.5	7.9	7.5	7.1	6.4
30	0.758	50.0	37.5	30.0	25.0	21.4	18.8	16.7	15.0	13.6	12.5	11.5	10.7	10.0	9.4	8.8	8.3	7.5
40	0.930	61.4	46.0	36.8	30.7	26.3	23.0	20.5	18.4	16.7	15.3	14.2	13.2	12.3	11.5	10.8	10.2	9.2
50	1.039	68.6	51.4	41.1	34.3	29.4	25.7	22.9	20.6	18.7	17.1	15.8	14.7	13.7	12.9	12.1	11.4	10.3
60	1.091	72.0	54.0	43.2	36.0	30.9	27.0	24.0	21.6	19.6	18.0	16.6	15.4	14.4	13.5	12.7	12.0	10.8
70	1.269	83.8	62.8	50.3	41.9	35.9	31.4	27.9	25.1	22.8	20.9	19.3	17.9	16.8	15.7	14.8	14.0	12.6
80	1.368	90.3	67.7	54.2	45.1	38.7	33.9	30.1	27.1	24.6	22.6	20.8	19.3	18.1	16.9	15.9	15.0	13.5
100	1.530	101.0	75.7	60.6	50.5	43.3	37.9	33.7	30.3	27.5	25.2	23.3	21.6	20.2	18.9	17.8	16.8	15.1
120	1.676	110.6	83.0	66.4	55.3	47.4	41.5	36.9	33.2	30.2	27.7	25.5	23.7	22.1	20.7	19.5	18.4	16.6
140	1.810	119.5	89.6	71.7	59.7	51.2	44.8	39.8	35.8	32.6	29.9	27.6	25.6	23.9	22.4	21.1	19.9	17.9

** For alternate nozzle spacing, please contact Greenleaf Technologies or visit our website.*

To find your nearest dealer or to order, go to parts.agcocorp.com

BPDF Low Drift DualFan for PWM Systems

The Blended Pulse™ DualFan nozzle is a purpose-built non-air injected nozzle for pulse width modulation systems, providing consistent spray patterns and flow rates. This design produces the most effective droplet spectrum of medium to coarse to very coarse (depending on the nozzle size and pressure), making these nozzles truly general purpose. Lower pressures will be better for burndown applications where drift control is important, and slightly higher pressures will be best for coverage-critical applications like contact herbicides, fungicides and insecticides. The dual patterns of the Blended Pulse™ DualFan eliminate any concern about missing the target due to the nozzles being off for a fraction of a second (even at higher speeds). To maximize coverage, BPDF nozzles may be alternated on the boom to provide four angles of spray orientation into the canopy, effectively spraying the target four times in one pass. We recommend keeping the duty cycle between 50 and 100%, and the pressure between 20 and 80 PSI, depending on the application.

Part	Description
ACP0440880	Nozzle, BPDF06
ACP0440890	Nozzle, BPDF07
ACP0440900	Nozzle, BPDF08
ACP0440910	Nozzle, BPDF09
ACP0440920	Nozzle, BPDF10
ACP0440930	Nozzle, BPDF12
AG429908	DualFan Cap, CADF

Pressure Range: 20-80 PSI **Recommended Boom Height BP:** 18-36" BPDF: 15-25" (with 20" nozzle spacing)
Materials of Construction: Polyacetal, EPDM

				GALLONS PER ACRE BASED ON 20" NOZZLE SPACING												GALLONS PER ACRE BASED ON 15" NOZZLE SPACING										
	Droplet	PSI	GPM	4 MPH	5 MPH	6 MPH	7 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH	4 MPH	5 MPH	6 MPH	7 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH
BPDF04	C	20	0.28	21.0	16.8	14.0	12.0	10.5	8.4	7.0	6.0	5.3	4.7	4.2	28.0	22.4	18.7	16.0	14.0	11.2	9.3	8.0	7.0	6.2	5.6
	C	30	0.35	25.7	20.6	17.1	14.7	12.9	10.3	8.6	7.3	6.4	5.7	5.1	34.3	27.4	22.9	19.6	17.1	13.7	11.4	9.8	8.6	7.6	6.9
	M	40	0.40	29.7	23.8	19.8	17.0	14.9	11.9	9.9	8.5	7.4	6.6	5.9	39.6	31.7	26.4	22.6	19.8	15.8	13.2	11.3	9.9	8.8	7.9
	M	50	0.45	33.2	26.6	22.1	19.0	16.6	13.3	11.1	9.5	8.3	7.4	6.6	44.3	35.4	29.5	25.3	22.1	17.7	14.8	12.6	11.1	9.8	8.9
	F	60	0.49	36.4	29.1	24.2	20.8	18.2	14.5	12.1	10.4	9.1	8.1	7.3	48.5	38.8	32.3	27.7	24.2	19.4	16.2	13.9	12.1	10.8	9.7
	F	70	0.53	39.3	31.4	26.2	22.5	19.6	15.7	13.1	11.2	9.8	8.7	7.9	52.4	41.9	34.9	29.9	26.2	21.0	17.5	15.0	13.1	11.6	10.5
	F	80	0.57	42.0	33.6	28.0	24.0	21.0	16.8	14.0	12.0	10.5	9.3	8.4	56.0	44.8	37.3	32.0	28.0	22.4	18.7	16.0	14.0	12.4	11.2
BPDF05	VC	20	0.35	26.3	21.0	17.5	15.0	13.1	10.5	8.8	7.5	6.6	5.8	5.3	35.0	28.0	23.3	20.0	17.5	14.0	11.7	10.0	8.8	7.8	7.0
	C	30	0.43	32.2	25.7	21.4	18.4	16.1	12.9	10.7	9.2	8.0	7.1	6.4	42.9	34.3	28.6	24.5	21.4	17.1	14.3	12.2	10.7	9.5	8.6
	C	40	0.50	37.1	29.7	24.8	21.2	18.6	14.9	12.4	10.6	9.3	8.3	7.4	49.5	39.6	33.0	28.3	24.8	19.8	16.5	14.1	12.4	11.0	9.9
	M	50	0.56	41.5	33.2	27.7	23.7	20.8	16.6	13.8	11.9	10.4	9.2	8.3	55.3	44.3	36.9	31.6	27.7	22.1	18.4	15.8	13.8	12.3	11.1
	M	60	0.61	45.5	36.4	30.3	26.0	22.7	18.2	15.2	13.0	11.4	10.1	9.1	60.6	48.5	40.4	34.6	30.3	24.2	20.2	17.3	15.2	13.5	12.1
	F	70	0.66	49.1	39.3	32.7	28.1	24.6	19.6	16.4	14.0	12.3	10.9	9.8	65.5	52.4	43.7	37.4	32.7	26.2	21.8	18.7	16.4	14.6	13.1
	F	80	0.71	52.5	42.0	35.0	30.0	26.3	21.0	17.5	15.0	13.1	11.7	10.5	70.0	56.0	46.7	40.0	35.0	28.0	23.3	20.0	17.5	15.6	14.0
BPDF06	VC	20	0.42	31.5	25.2	21.0	18.0	15.8	12.6	10.5	9.0	7.9	7.0	6.3	42.0	33.6	28.0	24.0	21.0	16.8	14.0	12.0	10.5	9.3	8.4
	VC	30	0.52	38.6	30.9	25.7	22.0	19.3	15.4	12.9	11.0	9.6	8.6	7.7	51.4	41.2	34.3	29.4	25.7	20.6	17.1	14.7	12.9	11.4	10.3
	C	40	0.60	44.6	35.6	29.7	25.5	22.3	17.8	14.9	12.7	11.1	9.9	8.9	59.4	47.5	39.6	33.9	29.7	23.8	19.8	17.0	14.9	13.2	11.9
	C	50	0.67	49.8	39.8	33.2	28.5	24.9	19.9	16.6	14.2	12.5	11.1	10.0	66.4	53.1	44.3	37.9	33.2	26.6	22.1	19.0	16.6	14.8	13.3
	M	60	0.73	54.6	43.6	36.4	31.2	27.3	21.8	18.2	15.6	13.6	12.1	10.9	72.7	58.2	48.5	41.6	36.4	29.1	24.2	20.8	18.2	16.2	14.5
	M	70	0.79	58.9	47.1	39.3	33.7	29.5	23.6	19.6	16.8	14.7	13.1	11.8	78.6	62.9	52.4	44.9	39.3	31.4	26.2	22.5	19.6	17.5	15.7
	M	80	0.85	63.0	50.4	42.0	36.0	31.5	25.2	21.0	18.0	15.8	14.0	12.6	84.0	67.2	56.0	48.0	42.0	33.6	28.0	24.0	21.0	18.7	16.8
BPDF07	VC	20	0.49	36.8	29.4	24.5	21.0	18.4	14.7	12.3	10.5	9.2	8.2	7.4	49.0	39.2	32.7	28.0	24.5	19.6	16.3	14.0	12.3	10.9	9.8
	VC	30	0.61	45.0	36.0	30.0	25.7	22.5	18.0	15.0	12.9	11.3	10.0	9.0	60.0	48.0	40.0	34.3	30.0	24.0	20.0	17.1	15.0	13.3	12.0
	C	40	0.70	52.0	41.6	34.7	29.7	26.0	20.8	17.3	14.9	13.0	11.6	10.4	69.3	55.4	46.2	39.6	34.7	27.7	23.1	19.8	17.3	15.4	13.9
	C	50	0.78	58.1	46.5	38.7	33.2	29.1	23.2	19.4	16.6	14.5	12.9	11.6	77.5	62.0	51.7	44.3	38.7	31.0	25.8	22.1	19.4	17.2	15.5
	M	60	0.86	63.7	50.9	42.4	36.4	31.8	25.5	21.2	18.2	15.9	14.1	12.7	84.9	67.9	56.6	48.5	42.4	33.9	28.3	24.2	21.2	18.9	17.0
	M	70	0.93	68.8	55.0	45.8	39.3	34.4	27.5	22.9	19.6	17.2	15.3	13.8	91.7	73.3	61.1	52.4	45.8	36.7	30.6	26.2	22.9	20.4	18.3
	M	80	0.99	73.5	58.8	49.0	42.0	36.8	29.4	24.5	21.0	18.4	16.3	14.7	98.0	78.4	65.3	56.0	49.0	39.2	32.7	28.0	24.5	21.8	19.6
BPDF08	VC	20	0.57	42.0	33.6	28.0	24.0	21.0	16.8	14.0	12.0	10.5	9.3	8.4	56.0	44.8	37.3	32.0	28.0	22.4	18.7	16.0	14.0	12.4	11.2
	VC	30	0.69	51.4	41.2	34.3	29.4	25.7	20.6	17.1	14.7	12.9	11.4	10.3	68.6	54.9	45.7	39.2	34.3	27.4	22.9	19.6	17.1	15.2	13.7
	C	40	0.80	59.4	47.5	39.6	33.9	29.7	23.8	19.8	17.0	14.9	13.2	11.9	79.2	63.4	52.8	45.3	39.6	31.7	26.4	22.6	19.8	17.6	15.8
	C	50	0.89	66.4	53.1	44.3	37.9	33.2	26.6	22.1	19.0	16.6	14.8	13.3	88.5	70.8	59.0	50.6	44.3	35.4	29.5	25.3	22.1	19.7	17.7
	M	60	0.98	72.7	58.2	48.5	41.6	36.4	29.1	24.2	20.8	18.2	16.2	14.5	97.0	77.6	64.7	55.4	48.5	38.8	32.3	27.7	24.2	21.6	19.4
	M	70	1.06	78.6	62.9	52.4	44.9	39.3	31.4	26.2	22.5	19.6	17.5	15.7	104.8	83.8	69.8	59.9	52.4	41.9	34.9	29.9	26.2	23.3	21.0
	M	80	1.13	84.0	67.2	56.0	48.0	42.0	33.6	28.0	24.0	21.0	18.7	16.8	112.0	89.6	74.7	64.0	56.0	44.8	37.3	32.0	28.0	24.9	22.4
BPDF09	VC	20	0.64	47.3	37.8	31.5	27.0	23.6	18.9	15.8	13.5	11.8	10.5	9.5	63.0	50.4	42.0	36.0	31.5	25.2	21.0	18.0	15.8	14.0	12.6
	VC	30	0.78	57.9	46.3	38.6	33.1	28.9	23.1	19.3	16.5	14.5	12.9	11.6	77.2	61.7	51.4	44.1	38.6	30.9	25.7	22.0	19.3	17.1	15.4
	C	40	0.90	66.8	53.5	44.6	38.2	33.4	26.7	22.3	19.1	16.7	14.9	13.4	89.1	71.3	59.4	50.9	44.6	35.6	29.7	25.5	22.3	19.8	17.8
	C	50	1.01	74.7	59.8	49.8	42.7	37.4	29.9	24.9	21.3	18.7	16.6	14.9	99.6	79.7	66.4	56.9	49.8	39.8	33.2	28.5	24.9	22.1	19.9
	M	60	1.10	81.8	65.5	54.6	46.8	40.9	32.7	27.3	23.4	20.5	18.2	16.4	109.1	87.3	72.7	62.4	54.6	43.6	36.4	31.2	27.3	24.2	21.8
	M	70	1.19	88.4	70.7	58.9	50.5	44.2	35.4	29.5	25.3	22.1	19.6	17.7	117.9	94.3	78.6	67.4	58.9	47.1	39.3	33.7	29.5	26.2	23.6
	M	80	1.27	94.5	75.6	63.0	54.0	47.3	37.8	31.5	27.0	23.6	21.0	18.9	126.0	100.8	84.0	72.0	63.0	50.4	42.0	36.0	31.5	28.0	25.2
BPDF10	VC	20	0.71	52.5	42.0	35.0	30.0	26.3	21.0	17.5	15.0	13.1	11.7	10.5	70.0	56.0	46.7	40.0	35.0	28.0	23.3	20.0	17.5	15.6	14.0
	VC	30	0.87	64.3	51.4	42.9	36.7	32.2	25.7	21.4	18.4	16.1	14.3	12.9	85.7	68.6	57.2	49.0	42.9	34.3	28.6	24.5	21.4	19.1	17.1
	C	40	1.00	74.3	59.4	49.5	42.4	37.1	29.7	24.8	21.2	18.6	16.5	14.9	99.0	79.2	66.0	56.6	49.5	39.6	33.0	28.3	24.8	22.0	19.8
	C	50	1.12	83.0	66.4	55.3	47.4	41.5	33.2	27.7	23.7	20.8	18.4	16.6	110.7	88.5	73.8	63.2	55.3	44.3	36.9	31.6	27.7	24.6	22.1
	M	60	1.22	90.9	72.7	60.6	52.0	45.5	36.4	30.3	26.0	22.7	20.2	18.2	121.2	97.0	80.8	69.3	60.6	48.5	40.4	34.6	30.3	26.9	24.2
	M	70	1.32	98.2	78.6	65.5	56.1	49.1	39.3	32.7	28.1	24.6	21.8	19.6	131.0	104.8	87.3	74.8	65.5	52.4	43.7	37.4	32.7	29.1	26.2
	M	80	1.41	105.0	84.0	70.0	60.0	52.5	42.0	35.0	30.0	26.3	23.3	21.0	140.0	112.0	93.3	80.0	70.0	56.0	46.7	40.0	35.0	31.1	28.0
BPDF12	XC	20	0.85	63.0	50.4	42.0	36.0	31.5	25.2	21.0	18.0	15.8	14.0	12.6	84.0	67.2	56.0	48.0	42.0	33.6	28.0	24.0	21.0	18.7	16.8
	VC	30	1.04	77.2	61.7	51.4	44.1	38.6	30.9	25.7	22.0	19.3	17.1	15.4	102.9	82.3	68.6	58.8	51.4	41.2	34.3	29.4	25.7	22.9	20.6
	C	40	1.20	89.1	71.3	59.4	50.9	44.6	35.6	29.7	25.5	22.3	19.8	17.8	118.8	95.0	79.2	67.9	59.4	47.5	39.6	33.9	29.7	26.4	23.8
	C	50	1.34	99.6	79.7	66.4	56.9	49.8	39.8	33.2	28.5	24.9	22.1	19.9	132.8	106.3	88.5	75.9	66.4	53.1	44.3	37.9	33.2	29.5	26.6
	M	60	1.47	109.1	87.3	72.7	62.4	54.6	43.6	36.4	31.2	27.3	24.2	21.8	145.5	116.4	97.0	83.1	72.7	58.2	48.5	41.6	36.4	32.3	29.1
	M	70	1.59	117.9	94.3	78.6	67.4	58.9	47.1	39.3	33.7	29.5	26.2	23.6	157.2	125.7	104.8	89.8	78.6	62.9	52.4	44.9	39.3	34.9	31.4
	M	80	1.70	126.0	100.8	84.0	72.0	63.0	50.4	42.0	36.0	31.5	28.0	25.2	168.0	134.4	112.0	96.0	84.0	67.2	56.0	48.0	42.0	37.3	33.6

Table based on spraying water at 70°F. Flow rates may vary +/- 5%.

SoftDrop Nozzles for PWM Systems

The SoftDrop nozzle is a non-air inducted spray nozzle designed to produce extremely coarse droplets for maximum drift control with auxin herbicides and other systemic products. The SoftDrop is particularly well suited for PWM systems, operating between 10 and 50 Hertz. A specially designed turbulence chamber helps deliver a drift-resistant spray pattern, with very good cross distribution. The SoftDrop is also excellent for liquid fertilizers and mixtures of liquid fertilizers and systemic herbicides.

Part	Description
ACP0440830	Nozzle, SD110-04
ACP0440840	Nozzle, SD110-05
ACP0440850	Nozzle, SD110-06
ACP0440860	Nozzle, SD110-08
ACP0440870	Nozzle, SD110-10

	Liquid Pressure PSI	Droplet Size ASABE	Nozzle Capacity GPM	GALLONS PER ACRE BASED ON 20" NOZZLE SPACING														
				4 MPH	5 MPH	6 MPH	7 MPH	8 MPH	9 MPH	10 MPH	11 MPH	12 MPH	13 MPH	14 MPH	15 MPH	16 MPH	17 MPH	18 MPH	20 MPH
SD110-04	20	UC	0.28	21.0	16.8	14.0	12.0	10.5	9.3	8.4	7.6	7.0	6.5	6.0	5.6	5.3	4.9	4.7	4.2
	30	UC	0.35	25.7	20.6	17.1	14.7	12.9	11.4	10.3	9.4	8.6	7.9	7.3	6.9	6.4	6.1	5.7	5.1
	40	XC	0.40	29.7	23.8	19.8	17.0	14.9	13.2	11.9	10.8	9.9	9.1	8.5	7.9	7.4	7.0	6.6	5.9
	50	XC	0.45	33.2	26.6	22.1	19.0	16.6	14.8	13.3	12.1	11.1	10.2	9.5	8.9	8.3	7.8	7.4	6.6
	60	XC	0.49	36.4	29.1	24.2	20.8	18.2	16.2	14.5	13.2	12.1	11.2	10.4	9.7	9.1	8.6	8.1	7.3
	70		0.53	39.3	31.4	26.2	22.5	19.6	17.5	15.7	14.3	13.1	12.1	11.2	10.5	9.8	9.2	8.7	7.9
	80		0.57	42.0	33.6	28.0	24.0	21.0	18.7	16.8	15.3	14.0	12.9	12.0	11.2	10.5	9.9	9.3	8.4
	90		0.60	44.6	35.6	29.7	25.5	22.3	19.8	17.8	16.2	14.9	13.7	12.7	11.9	11.1	10.5	9.9	8.9
	100		0.63	47.0	37.6	31.3	26.8	23.5	20.9	18.8	17.1	15.7	14.4	13.4	12.5	11.7	11.0	10.4	9.4
(uses 50 mesh)	120		0.69	51.4	41.2	34.3	29.4	25.7	22.9	20.6	18.7	17.1	15.8	14.7	13.7	12.9	12.1	11.4	10.3
SD110-05	20	UC	0.35	26.3	21.0	17.5	15.0	13.1	11.7	10.5	9.5	8.8	8.1	7.5	7.0	6.6	6.2	5.8	5.3
	30	UC	0.43	32.2	25.7	21.4	18.4	16.1	14.3	12.9	11.7	10.7	9.9	9.2	8.6	8.0	7.6	7.1	6.4
	40	XC	0.50	37.1	29.7	24.8	21.2	18.6	16.5	14.9	13.5	12.4	11.4	10.6	9.9	9.3	8.7	8.3	7.4
	50	XC	0.56	41.5	33.2	27.7	23.7	20.8	18.4	16.6	15.1	13.8	12.8	11.9	11.1	10.4	9.8	9.2	8.3
	60	XC	0.61	45.5	36.4	30.3	26.0	22.7	20.2	18.2	16.5	15.2	14.0	13.0	12.1	11.4	10.7	10.1	9.1
	70	XC	0.66	49.1	39.3	32.7	28.1	24.6	21.8	19.6	17.9	16.4	15.1	14.0	13.1	12.3	11.6	10.9	9.8
	80	XC	0.71	52.5	42.0	35.0	30.0	26.3	23.3	21.0	19.1	17.5	16.2	15.0	14.0	13.1	12.4	11.7	10.5
	90		0.75	55.7	44.6	37.1	31.8	27.8	24.8	22.3	20.3	18.6	17.1	15.9	14.9	13.9	13.1	12.4	11.1
	100		0.79	58.7	47.0	39.1	33.5	29.3	26.1	23.5	21.3	19.6	18.1	16.8	15.7	14.7	13.8	13.0	11.7
(uses 50 mesh)	120		0.87	64.3	51.4	42.9	36.7	32.2	28.6	25.7	23.4	21.4	19.8	18.4	17.1	16.1	15.1	14.3	12.9
SD110-06	20	UC	0.42	31.5	25.2	21.0	18.0	15.8	14.0	12.6	11.5	10.5	9.7	9.0	8.4	7.9	7.4	7.0	6.3
	30	UC	0.52	38.6	30.9	25.7	22.0	19.3	17.1	15.4	14.0	12.9	11.9	11.0	10.3	9.6	9.1	8.6	7.7
	40	XC	0.60	44.6	35.6	29.7	25.5	22.3	19.8	17.8	16.2	14.9	13.7	12.7	11.9	11.1	10.5	9.9	8.9
	50	XC	0.67	49.8	39.8	33.2	28.5	24.9	22.1	19.9	18.1	16.6	15.3	14.2	13.3	12.5	11.7	11.1	10.0
	60	XC	0.73	54.6	43.6	36.4	31.2	27.3	24.2	21.8	19.8	18.2	16.8	15.6	14.5	13.6	12.8	12.1	10.9
	70	XC	0.79	58.9	47.1	39.3	33.7	29.5	26.2	23.6	21.4	19.6	18.1	16.8	15.7	14.7	13.9	13.1	11.8
	80	XC	0.85	63.0	50.4	42.0	36.0	31.5	28.0	25.2	22.9	21.0	19.4	18.0	16.8	15.8	14.8	14.0	12.6
	90		0.90	66.8	53.5	44.6	38.2	33.4	29.7	26.7	24.3	22.3	20.6	19.1	17.8	16.7	15.7	14.9	13.4
	100		0.95	70.4	56.4	47.0	40.3	35.2	31.3	28.2	25.6	23.5	21.7	20.1	18.8	17.6	16.6	15.7	14.1
(uses 24 mesh)	120		1.04	77.2	61.7	51.4	44.1	38.6	34.3	30.9	28.1	25.7	23.7	22.0	20.6	19.3	18.2	17.1	15.4
SD110-08	20	UC	0.57	42.0	33.6	28.0	24.0	21.0	18.7	16.8	15.3	14.0	12.9	12.0	11.2	10.5	9.9	9.3	8.4
	30	UC	0.69	51.4	41.2	34.3	29.4	25.7	22.9	20.6	18.7	17.1	15.8	14.7	13.7	12.9	12.1	11.4	10.3
	40	XC	0.80	59.4	47.5	39.6	33.9	29.7	26.4	23.8	21.6	19.8	18.3	17.0	15.8	14.9	14.0	13.2	11.9
	50	XC	0.89	66.4	53.1	44.3	37.9	33.2	29.5	26.6	24.1	22.1	20.4	19.0	17.7	16.6	15.6	14.8	13.3
	60	XC	0.98	72.7	58.2	48.5	41.6	36.4	32.3	29.1	26.5	24.2	22.4	20.8	19.4	18.2	17.1	16.2	14.5
	70	XC	1.06	78.6	62.9	52.4	44.9	39.3	34.9	31.4	28.6	26.2	24.2	22.5	21.0	19.6	18.5	17.5	15.7
	80	XC	1.13	84.0	67.2	56.0	48.0	42.0	37.3	33.6	30.5	28.0	25.8	24.0	22.4	21.0	19.8	18.7	16.8
	90		1.20	89.1	71.3	59.4	50.9	44.6	39.6	35.6	32.4	29.7	27.4	25.5	23.8	22.3	21.0	19.8	17.8
	100		1.26	93.9	75.1	62.6	53.7	47.0	41.7	37.6	34.2	31.3	28.9	26.8	25.0	23.5	22.1	20.9	18.8
(uses 50 mesh)	120		1.39	102.9	82.3	68.6	58.8	51.4	45.7	41.2	37.4	34.3	31.7	29.4	27.4	25.7	24.2	22.9	20.6
SD110-10	20	UC	0.71	52.5	42.0	35.0	30.0	26.3	23.3	21.0	19.1	17.5	16.2	15.0	14.0	13.1	12.4	11.7	10.5
	30	UC	0.87	64.3	51.4	42.9	36.7	32.2	28.6	25.7	23.4	21.4	19.8	18.4	17.1	16.1	15.1	14.3	12.9
	40	UC	1.00	74.3	59.4	49.5	42.4	37.1	33.0	29.7	27.0	24.8	22.8	21.2	19.8	18.6	17.5	16.5	14.9
	50	UC	1.12	83.0	66.4	55.3	47.4	41.5	36.9	33.2	30.2	27.7	25.5	23.7	22.1	20.8	19.5	18.4	16.6
	60	UC	1.22	90.9	72.7	60.6	52.0	45.5	40.4	36.4	33.1	30.3	28.0	26.0	24.2	22.7	21.4	20.2	18.2
	70		1.32	98.2	78.6	65.5	56.1	49.1	43.7	39.3	35.7	32.7	30.2	28.1	26.2	24.6	23.1	21.8	19.6
	80		1.41	105.0	84.0	70.0	60.0	52.5	46.7	42.0	38.2	35.0	32.3	30.0	28.0	26.3	24.7	23.3	21.0
	90		1.50	111.4	89.1	74.3	63.6	55.7	49.5	44.6	40.5	37.1	34.3	31.8	29.7	27.8	26.2	24.8	22.3
	100		1.58	117.4	93.9	78.3	67.1	58.7	52.2	47.0	42.7	39.1	36.1	33.5	31.3	29.3	27.6	26.1	23.5
(uses 24 mesh)	120		1.73	128.6	102.9	85.7	73.5	64.3	57.2	51.4	46.8	42.9	39.6	36.7	34.3	32.2	30.3	28.6	25.7

Table based on spraying water at 70°F. Flow rates may vary +/- 5%.

PWM Easy Jet by Air Bubble Jet

The same performance you've come to expect with the Air Bubble Jet, except designed specifically for PWM systems.

Features and Benefits:

- Made for PWM systems
- 2% driftable droplets compared to 25% or more with conventional tips
- 200-500 micron droplet size range with appx. 75% in the sweet spot range of 300-400
- Fits most holders or caps (same caps for Air Bubble Jet Tips as listed in the catalog)
- Life expectancy on average 70,000 acres



Easy Jet PWM Nozzle

Part	Description
AG430507	Size 015
AG430508	Size 025
AG430509	Size 03
AG430510	Size 04
AG430511	Size 05
AG430512	Size 06
AG430513	Size 08

Easy Jet PWM Nozzle Application Chart

25-100% DC

Speed MPH @ 20 Inch Nozzle Spacing

Nozzle	Pressure	Flow		25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%
Easy Jet Green 015	PSI	US Gal	Quality	6				8				10				12				14				16				18				20			
	30	0.13	M	1.6	3.2	4.8	6.4	1.2	2.4	3.6	4.8	1.0	1.9	2.9	3.9	0.8	1.6	2.4	3.2	0.7	1.4	2.1	2.8	0.6	1.2	1.8	2.4	0.5	1.1	1.6	2.1	0.5	1.0	1.4	1.9
	40	0.15	M	1.9	3.7	5.6	7.4	1.4	2.8	4.2	5.6	1.1	2.2	3.3	4.5	0.9	1.9	2.8	3.7	0.8	1.6	2.4	3.2	0.7	1.4	2.1	2.8	0.6	1.2	1.9	2.5	0.6	1.1	1.7	2.2
	60	0.18	M	2.3	4.5	6.8	9.1	1.7	3.4	5.1	6.8	1.4	2.7	4.1	5.5	1.1	2.3	3.4	4.5	1.0	1.9	2.9	3.9	0.9	1.7	2.6	3.4	0.8	1.5	2.3	3.0	0.7	1.4	2.0	2.7
	75	0.21	M	2.5	5.1	7.6	10.2	1.9	3.8	5.7	7.6	1.5	3.1	4.6	6.1	1.3	2.5	3.8	5.1	1.1	2.2	3.3	4.4	1.0	1.9	2.9	3.8	0.8	1.7	2.5	3.4	0.8	1.5	2.3	3.1
				25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%
Easy Jet Lilac 025	PSI	US Gal	Quality	6				8				10				12				14				16				18				20			
	30	0.22	C	2.7	5.4	8.0	10.7	2.0	4.0	6.0	8.0	1.6	3.2	4.8	6.4	1.3	2.7	4.0	5.4	1.1	2.3	3.4	4.6	1.0	2.0	3.0	4.0	0.9	1.8	2.7	3.6	0.8	1.6	2.4	3.2
	40	0.25	M	3.1	6.2	9.3	12.4	2.3	4.6	7.0	9.3	1.9	3.7	5.6	7.4	1.5	3.1	4.6	6.2	1.3	2.7	4.0	5.3	1.2	2.3	3.5	4.6	1.0	2.1	3.1	4.1	0.9	1.9	2.8	3.7
	60	0.31	M	3.8	7.6	11.4	15.2	2.8	5.7	8.5	11.4	2.3	4.5	6.8	9.1	1.9	3.8	5.7	7.6	1.6	3.2	4.9	6.5	1.4	2.8	4.3	5.7	1.3	2.5	3.8	5.1	1.1	2.3	3.4	4.5
	75	0.34	M	4.2	8.5	12.7	16.9	3.2	6.4	9.5	12.7	2.5	5.1	7.6	10.2	2.1	4.2	6.4	8.5	1.8	3.6	5.4	7.3	1.6	3.2	4.8	6.4	1.4	2.8	4.2	5.6	1.3	2.5	3.8	5.1
				25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%
Easy Jet Blue 03	PSI	US Gal	Quality	6				8				10				12				14				16				18				20			
	30	0.26	C	3.2	6.4	9.6	12.9	2.4	4.8	7.2	9.6	1.9	3.9	5.8	7.7	1.6	3.2	4.8	6.4	1.4	2.8	4.1	5.5	1.2	2.4	3.6	4.8	1.1	2.1	3.2	4.3	1.0	1.9	2.9	3.9
	40	0.30	C	3.7	7.4	11.1	14.9	2.8	5.6	8.4	11.1	2.2	4.5	6.7	8.9	1.9	3.7	5.6	7.4	1.6	3.2	4.8	6.4	1.4	2.8	4.2	5.6	1.2	2.5	3.7	5.0	1.1	2.2	3.3	4.5
	60	0.37	M	4.5	9.1	13.6	18.2	3.4	6.8	10.2	13.6	2.7	5.5	8.2	10.9	2.3	4.5	6.8	9.1	1.9	3.9	5.8	7.8	1.7	3.4	5.1	6.8	1.5	3.0	4.5	6.1	1.4	2.7	4.1	5.5
	75	0.41	M	5.1	10.2	15.3	20.3	3.8	7.6	11.4	15.3	3.1	6.1	9.2	12.2	2.5	5.1	7.6	10.2	2.2	4.4	6.5	8.7	1.9	3.8	5.7	7.6	1.7	3.4	5.1	6.8	1.5	3.1	4.6	6.1
				25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%
Easy Jet Red 04	PSI	US Gal	Quality	6				8				10				12				14				16				18				20			
	30	0.35	C	4.3	8.6	12.9	17.1	3.2	6.4	9.6	12.9	2.6	5.1	7.7	10.3	2.1	4.3	6.4	8.6	1.8	3.7	5.5	7.3	1.6	3.2	4.8	6.4	1.4	2.9	4.3	5.7	1.3	2.6	3.9	5.1
	40	0.40	C	5.0	9.9	14.9	19.8	3.7	7.4	11.1	14.9	3.0	5.9	8.9	11.9	2.5	5.0	7.4	9.9	2.1	4.2	6.4	8.5	1.9	3.7	5.6	7.4	1.7	3.3	5.0	6.6	1.5	3.0	4.5	5.9
	60	0.49	C	6.1	12.1	18.2	24.2	4.5	9.1	13.6	18.2	3.6	7.3	10.9	14.5	3.0	6.1	9.1	12.1	2.6	5.2	7.8	10.4	2.3	4.5	6.8	9.1	2.0	4.0	6.1	8.1	1.8	3.6	5.5	7.3
	75	0.55	M	6.8	13.6	20.3	27.1	5.1	10.2	15.3	20.3	4.1	8.1	12.2	16.3	3.4	6.8	10.2	13.6	2.9	5.8	8.7	11.6	2.5	5.1	7.6	10.2	2.3	4.5	6.8	9.0	2.0	4.1	6.1	8.1
				25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%
Easy Jet Brown 05	PSI	US Gal	Quality	6				8				10				12				14				16				18				20			
	30	0.43	C	5.4	10.7	16.1	21.4	4.0	8.0	12.1	16.1	3.2	6.4	9.6	12.9	2.7	5.4	8.0	10.7	2.3	4.6	6.9	9.2	2.0	4.0	6.0	8.0	1.8	3.6	5.4	7.1	1.6	3.2	4.8	6.4
	40	0.50	C	6.2	12.4	18.6	24.8	4.6	9.3	13.9	18.6	3.7	7.4	11.1	14.9	3.1	6.2	9.3	12.4	2.7	5.3	8.0	10.6	2.3	4.6	7.0	9.3	2.1	4.1	6.2	8.3	1.9	3.7	5.6	7.4
	60	0.61	C	7.6	15.2	22.7	30.3	5.7	11.4	17.1	22.7	4.5	9.1	13.6	18.2	3.8	7.6	11.4	15.2	3.2	6.5	9.7	13.0	2.8	5.7	8.5	11.4	2.5	5.1	7.6	10.1	2.3	4.5	6.8	9.1
	75	0.68	C	8.5	16.9	25.4	33.9	6.4	12.7	19.1	25.4	5.1	10.2	15.3	20.3	4.2	8.5	12.7	16.9	3.6	7.3	10.9	14.5	3.2	6.4	9.5	12.7	2.8	5.6	8.5	11.3	2.5	5.1	7.6	10.2
				25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%
Easy Jet Grey 06	PSI	US Gal	Quality	6				8				10				12				14				16				18				20			
	30	0.52	VC	6.4	12.9	19.3	25.7	4.8	9.6	14.5	19.3	3.9	7.7	11.6	15.4	3.2	6.4	9.6	12.9	2.8	5.5	8.3	11.0	2.4	4.8	7.2	9.6	2.1	4.3	6.4	8.6	1.9	3.9	5.8	7.7
	40	0.60	VC	7.4	14.9	22.3	29.7	5.6	11.1	16.7	22.3	4.5	8.9	13.4	17.8	3.7	7.4	11.1	14.9	3.2	6.4	9.5	12.7	2.8	5.6	8.4	11.1	2.5	5.0	7.4	9.9	2.2	4.5	6.7	8.9
	60	0.73	VC	9.1	18.2	27.3	36.4	6.8	13.6	20.5	27.3	5.5	10.9	16.4	21.8	4.5	9.1	13.6	18.2	3.9	7.8	11.7	15.6	3.4	6.8	10.2	13.6	3.0	6.1	9.1	12.1	2.7	5.5	8.2	10.9
	75	0.82	VC	10.2	20.3	30.5	40.7	7.6	15.3	22.9	30.5	6.1	12.2	18.3	24.4	5.1	10.2	15.3	20.3	4.4	8.7	13.1	17.4	3.8	7.6	11.4	15.3	3.4	6.8	10.2	13.6	3.1	6.1	9.2	12.2
				25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%
Easy Jet White 08	PSI	US Gal	Quality	6				8				10				12				14				16				18				20			
	30	0.69	XC	8.6	17.1	25.7	34.3	6.4	12.9	19.3	25.7	5.1	10.3	15.4	20.6	4.3	8.6	12.9	17.1	3.7	7.3	11.0	14.7	3.2	6.4	9.6	12.9	2.9	5.7	8.6	11.4	2.6	5.1	7.7	10.3
	40	0.80	XC	9.9	19.8	29.7	39.6	7.4	14.9	22.3	29.7	5.9	11.9	17.8	23.8	5.0	9.9	14.9	19.8	4.2	8.5	12.7	17.0	3.7	7.4	11.1	14.9	3.3	6.6	9.9	13.2	3.0	5.9	8.9	11.9
	60	0.98	VC	12.1	24.2	36.4	48.5	9.1	18.2	27.3	36.4	7.3	14.5	21.8	29.1	6.1	12.1	18.2	24.2	5.2	10.4	15.6	20.8	4.5	9.1	13.6	18.2	4.0	8.1	12.1	16.2	3.6	7.3	10.9	14.5
	75	1.10	VC	13.6	27.1	40.7	54.2	10.2	20.3	30.5	40.7	8.1	16.3	24.4	32.5	6.8	13.6	20.3	27.1	5.8	11.6	17.4	23.2	5.1	10.2	15.3	20.3	4.5	9.0	13.6	18.1	4.1	8.1	12.2	16.3

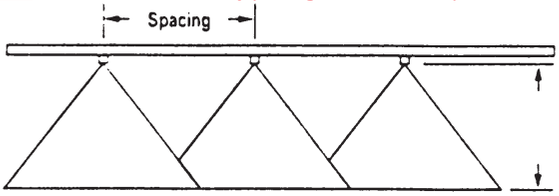
Air Bubble Jet Spray Tip



Revolutionary Air Bubble Jet spray tips draw air into the stream of liquid being sprayed, improving chemical contact with the leaf and greatly reducing drift. The number of small droplets is reduced, limiting drift, and air bubbles are created in the larger droplets, causing them to collapse on contact with the leaf and disperse evenly. The Air Bubble Jets overcome the problems of conventional jet nozzles that form both large droplets that run off the leaves and small droplets that drift. Air Bubble Jets can be used for pull-type or high-clearance sprayers, and are also ISO color coded (e.g., if you use a yellow 0.2, now you would use a yellow 0.2 Bubble Jet).

- Up to 58% less drift compared to conventional drift reduction nozzles
- Proven experience
- No high pressure required to operate properly, as in other air induction nozzles; operate at normal pressure similar to an extended range, 20-90 PSI (30-45 PSI is the best operating range for drift control and exceptional plant coverage)
- Uniform droplet sizing (350 micron) for outstanding plant coverage
- 100° tapered-edge flat-spray pattern for uniform coverage in broad-cast spraying
- Made of Chemital for long-wearing durability; easy to take apart for cleaning

Note: *Air Bubble Jets are only packaged and sold in quantities of 10.*



Part	Description
AG129615	100.1 Air Bubble Jet Tip - Orange
AG059620	100.15 Air Bubble Jet Tip - Green
AG059621	100.2 Air Bubble Jet Tip - Yellow
AG059622	100.25 Air Bubble Jet Tip - Purple
AG059623	100.3 Air Bubble Jet Tip - Blue
AG427692	100.35 Air Bubble Jet Tip - Brown Red
AG059624	100.4 Air Bubble Jet Tip - Red
AG059625	100.5 Air Bubble Jet Tip - Brown
AG427693	100.6 Air Bubble Jet Tip - Gray

Twin Cap for Air Bubble Jet



- Excellent spray coverage from front and rear jets
- Faster speeds and higher volumes
- Increased crop penetration and coverage
- Ideal for foliage crops (e.g., potatoes and sugar beets) and fungicide application

Notes: *Spray tips must be ordered from available sizes above. Holder includes nozzle caps.*

Part	Description
AG426086	Twin Bubble Jet Holder - Low Profile

Caps for Air Bubble Jet Tips

Part	Description
ACP0484520	Nozzle Cap with Gasket - Orange
ACP0484490	Nozzle Cap with Gasket - Green
ACP0484500	Nozzle Cap with Gasket - Yellow
ACP0484540	Nozzle Cap with Gasket - Purple
ACP0484480	Nozzle Cap with Gasket - Blue
ACP0484470	Nozzle Cap with Gasket - Red
ACP0484510	Nozzle Cap with Gasket - Brown
ACP0484530	Nozzle Cap with Gasket - Gray

BFS BUBBLE JETS APPLICATION CHART

US Gallons Per Acre

Pressure psi	G/Min	Speed mph US g/acre @ 20" Spacing 6	8	10	12	14	16	18
ORANGE 0.1								
30	0.087	4.3	3.2	2.6	2.1	1.8	1.6	1.4
40	0.100	4.9	3.7	3.0	2.5	2.1	1.9	1.6
45	0.106	5.3	3.9	3.2	2.6	2.3	2.0	1.8
50	0.112	5.5	4.2	3.3	2.8	2.4	2.1	1.8
60	0.122	6.1	4.5	3.6	3.0	2.6	2.3	2.0
65	0.127	6.3	4.7	3.8	3.2	2.7	2.4	2.1
GREEN 0.15								
30	0.131	6.5	4.9	3.9	3.2	2.8	2.4	2.2
40	0.151	7.5	5.6	4.5	3.7	3.2	2.8	2.5
45	0.160	7.9	6.0	4.8	4.0	3.4	3.0	2.6
50	0.169	8.4	6.3	5.0	4.2	3.6	3.1	2.8
60	0.185	9.2	6.9	5.5	4.6	3.9	3.4	3.1
65	0.193	9.5	7.2	5.7	4.8	4.1	3.6	3.2
YELLOW 0.2								
30	0.174	8.6	6.5	5.2	4.3	3.7	3.2	2.9
40	0.201	10.0	7.5	6.0	5.0	4.3	3.7	3.3
45	0.214	10.6	7.9	6.3	5.3	4.5	4.0	3.5
50	0.225	11.1	8.4	6.7	5.6	4.8	4.2	3.7
60	0.247	12.2	9.2	7.3	6.1	5.2	4.6	4.1
65	0.257	12.7	9.5	7.6	6.4	5.4	4.8	4.2
LILAC 0.25								
30	0.220	10.9	8.2	6.5	5.4	4.7	4.1	3.6
40	0.254	12.6	9.4	7.5	6.3	5.4	4.7	4.2
45	0.269	13.3	10.0	8.0	6.7	5.7	5.0	4.4
50	0.284	14.0	10.5	8.4	7.0	6.0	5.3	4.7
60	0.311	15.4	11.5	9.2	7.7	6.6	5.8	5.1
65	0.323	16.0	12.0	9.6	8.0	6.9	6.0	5.3
BLUE 0.3								
30	0.263	13.0	9.8	7.8	6.5	5.6	4.9	4.3
40	0.304	15.0	11.3	9.0	7.5	6.4	5.6	5.0
45	0.322	15.9	12.0	9.6	8.0	6.8	6.0	5.3
50	0.340	16.8	12.6	10.1	8.4	7.2	6.3	5.6
60	0.372	18.4	13.8	11.0	9.2	7.9	6.9	6.1
65	0.387	19.2	14.4	11.5	9.6	8.2	7.2	6.4
BROWN RED 0.35								
30	0.306	15.1	11.4	9.1	7.6	6.5	5.7	5.0
40	0.353	17.5	13.1	10.5	8.7	7.5	6.6	5.8
45	0.375	18.6	13.9	11.1	9.3	8.0	7.0	6.2
50	0.395	19.6	14.7	11.7	9.8	8.4	7.3	6.5
60	0.433	21.4	16.1	12.9	10.7	9.2	8.0	7.1
65	0.450	22.3	16.7	13.4	11.1	9.6	8.4	7.4
RED 0.4								
30	0.349	17.3	13.0	10.4	8.6	7.4	6.5	5.8
40	0.404	20.0	15.0	12.0	10.0	8.6	7.5	6.7
45	0.428	21.2	15.9	12.7	10.6	9.1	7.9	7.1
50	0.451	22.3	16.7	13.4	11.2	9.6	8.4	7.4
60	0.494	24.5	18.3	14.7	12.2	10.5	9.2	8.2
65	0.514	25.5	19.1	15.3	12.7	10.9	9.5	8.5
BROWN 0.5								
30	0.438	21.7	16.3	13.0	10.8	9.3	8.1	7.2
40	0.506	25.1	18.8	15.0	12.5	10.7	9.4	8.4
45	0.537	26.6	19.9	15.9	13.3	11.4	10.0	8.9
50	0.566	28.0	21.0	16.8	14.0	12.0	10.5	9.3
60	0.620	30.7	23.0	18.4	15.3	13.2	11.5	10.2
65	0.645	31.9	24.0	19.2	16.0	13.7	12.0	10.6
GREY 0.6								
30	0.520	25.7	19.3	15.4	12.9	11.0	9.7	8.6
40	0.600	29.7	22.3	17.8	14.9	12.7	11.1	9.9
45	0.637	31.5	23.6	18.9	15.8	13.5	11.8	10.5
50	0.671	33.2	24.9	19.9	16.6	14.2	12.5	11.1
60	0.735	36.4	27.3	21.8	18.2	15.6	13.7	12.1
65	0.765	37.9	28.4	22.7	18.9	16.2	14.2	12.6

80° TX Series Hollow-Cone Stainless Steel Spray Tips, Color Coded



ConeJet Tips provide a finely-atomized hollow-cone spray for overall coverage of plant leaf surfaces. They are available in brass and stainless steel and are widely used in spraying insecticides, fungicides, defoliants, and foliar fertilizers.

Part	Description
AG009632	TXVS1 Color-Coded SS Tip, D. Blue
AG009631	TXVS2 Color-Coded SS Tip, White
AG009630	TXVS3 Color-Coded SS Tip, Yellow
AG009629	TXVS4 Color-Coded SS Tip, Green
AG009628	TXVS6 Color-Coded SS Tip, Red
AG009627	TXVS8 Color-Coded SS Tip, Gray
AG009626	TXVS10 Color-Coded SS Tip, Black
AG009625	TXVS12 Color-Coded SS Tip, Brown
AG009624	TXVS18 Color-Coded SS Tip, Orange
AG009623	TXVS26 Color-Coded SS Tip, L. Blue

80° TX Series Hollow-Cone Brass Spray Tips

Part	Description
AG001317	TX1 Brass Tip
AG001319	TX2 Brass Tip
AG001326	TX6 Brass Tip
AG001335	TX18 Brass Tip
AG001336	TX26 Brass Tip

80° TX Series Hollow-Cone Stainless Steel Spray Tips

Part	Description
AG001323	TXSS4 Stainless Steel Tip
AG001327	TXSS6 Stainless Steel Tip
AG002534	TXSS18 Stainless Steel Tip

VisiFlo® Stainless Steel Cone Tips



FullJet® tips are ideal for spraying pre-plant incorporated herbicides. At lower pressures (15-25 PSI), larger droplets are produced to reduce drift. Nozzles may be spaced at 20" when spraying post-emergence systemic herbicides to ensure good coverage with large droplets. See conversion factors for nozzle spacings. FullJet tips are available in stainless steel with color coding or Celcon® with stainless steel vane and color coding.

Note: *For VisiFlo ceramic tips and other tips for orchard and vineyard applications, contact your dealer. Other sizes and materials available.*

Part	Description
AG008050	5VS Tip
AG050468	6.5VS Tip
AG008051	8VS Tip
AG008053	15VS Tip

Caps for FullJet Tips

Part	Description
ACP0484650	Black with Gasket
ACP0484660	White with Gasket
ACP0484670	Red with Gasket
ACP0484680	Blue with Gasket
ACP0484690	Green with Gasket
ACP0484700	Yellow with Gasket
ACP0484710	Brown with Gasket
ACP0484720	Orange with Gasket
ACP0484730	Gray with Gasket
ACP0484740	Violet with Gasket
AG008922	Gasket Only

30" SPACING

ConeJet TIP NO.	Liquid Press in psi	(1 Noz.) Cap. in GPH	Gallons Per Acre 3 MPH	4 MPH	5 MPH
TX1 •1.1 GPA (100 Mesh)	40	1.0	1.1	.83	.66
	60	1.2	1.3	.98	.78
	75	1.3	1.4	•1.1	.85
	90	1.4	1.5	1.2	.92
	120	1.6	1.7	1.3	1.0
TX2 •2.2 GPA (100 Mesh)	40	2.0	2.2	1.7	1.3
	60	2.4	2.6	2.0	1.6
	75	2.6	2.9	•2.2	1.7
	90	2.8	3.1	2.3	1.9
	120	3.2	3.6	2.7	2.1
TX3 •3.3 GPA (100 Mesh)	40	3.0	3.3	2.5	2.0
	60	3.6	3.9	3.0	2.4
	75	3.9	4.3	•3.3	2.6
	90	4.3	4.7	3.5	2.8
	120	4.8	5.3	4.0	3.2
TX4 •4.4 GPA (50 Mesh)	40	4.0	4.4	3.3	2.6
	60	4.8	5.3	4.0	3.2
	75	5.3	5.9	•4.4	3.5
	90	5.8	6.4	4.8	3.8
	120	6.6	7.3	5.4	4.4
TX6 •6.6 GPA (50 Mesh)	40	6.0	6.6	5.0	4.0
	60	7.2	7.9	6.0	4.8
	75	8.0	8.8	•6.6	5.3
	90	8.7	9.6	7.2	5.7
	120	9.9	10.9	8.2	6.5
TX8 •8.9 GPA (50 Mesh)	40	8.0	8.8	6.6	5.3
	60	9.7	10.7	8.0	6.4
	75	10.8	11.9	•8.9	7.1
	90	11.8	13.0	9.7	7.8
	120	13.5	14.9	11.2	8.9
TX10 •11.1 GPA (50 Mesh)	40	10.0	11.0	8.3	6.6
	60	12.1	13.3	10.0	8.0
	75	13.5	14.9	•11.1	8.9
	90	14.7	16.2	12.2	9.7
	120	16.9	18.6	13.9	11.2
TX12 •13.4 GPA (50 Mesh)	40	12.0	13.2	9.9	7.9
	60	14.6	16.0	12.0	9.6
	75	16.2	17.8	•13.4	10.7
	90	17.7	19.4	14.6	11.7
	120	20.3	22	16.7	13.4
TX18 •20 GPA (50 Mesh)	40	18.0	19.8	14.9	11.9
	60	22.0	24	18.2	14.5
	75	24.6	27	•20	16.2
	90	26.9	30	22	17.8
	120	31.0	34	26	20
TX26 •29 GPA (50 Mesh)	40	26.0	29	21	17.2
	60	31.8	35	26	21
	75	35.5	39	•29	23
	90	38.9	43	32	26
	120	44.8	49	37	30

40" SPACING

ConeJet TIP NO.	Liquid Press. in p.s.i.	(1 Noz.) Cap. in GPH	Gallons Per Acre 3 MPH	4 MPH	5 MPH
TX1 •.8 GPA (100 Mesh)	40	1.0	.83	.62	.50
	60	1.2	.98	.73	.59
	75	1.3	1.1	•.80	.64
	90	1.4	1.2	.87	.69
	120	1.6	1.3	.98	.78
TX2 •1.6 GPA (100 Mesh)	40	2.0	1.7	1.2	.99
	60	2.4	2.0	1.5	1.2
	75	2.6	2.2	•1.6	1.3
	90	2.8	2.3	1.8	1.4
	120	3.2	2.7	2.0	1.6
TX3 •2.4 GPA (100 Mesh)	40	3.0	2.5	1.9	1.5
	60	3.6	3.0	2.2	1.8
	75	3.9	3.3	•2.4	2.0
	90	4.3	3.5	2.6	2.1
	120	4.8	4.0	3.0	2.4
TX4 •3.3 GPA (50 Mesh)	40	4.0	3.3	2.5	2.0
	60	4.8	4.0	3.0	2.4
	75	5.3	4.4	•3.3	2.6
	90	5.8	4.8	3.6	2.9
	120	6.6	5.4	4.1	3.3
TX6 •4.9 GPA (50 Mesh)	40	6.0	5.0	3.7	3.0
	60	7.2	6.0	4.5	3.6
	75	8.0	6.6	•4.9	4.0
	90	8.7	7.2	5.4	4.3
	120	9.9	8.2	6.1	4.9
TX8 •6.7 GPA (50 Mesh)	40	8.0	6.6	5.0	4.0
	60	9.7	8.0	6.0	4.8
	75	10.8	8.9	•6.7	5.3
	90	11.8	9.7	7.3	5.8
	120	13.5	11.2	8.4	6.7
TX10 •8.4 GPA (50 Mesh)	40	10.0	8.3	6.2	5.0
	60	12.1	10.0	7.5	6.0
	75	13.5	11.1	•8.4	6.7
	90	14.7	12.2	9.1	7.3
	120	16.9	13.9	10.5	8.4
TX12 •10 GPA (50 Mesh)	40	12.0	9.9	7.4	5.9
	60	14.6	12.0	9.0	7.2
	75	16.2	13.4	•10.0	8.0
	90	17.7	14.6	10.9	8.8
	120	20.3	16.7	12.5	10.0
TX18 •15.2 GPA (50 Mesh)	40	18.0	14.9	11.1	8.9
	60	22.0	18.2	13.6	10.9
	75	24.6	20	•15.2	12.2
	90	26.9	22	16.7	13.3
	120	31.0	26	19.2	15.4
TX26 •22 GPA (50 Mesh)	40	26.0	21	16.1	12.9
	60	31.8	26	19.7	15.7
	75	35.5	29	•22	17.6
	90	38.9	32	24	19.2
	120	44.8	37	28	22

To find your nearest dealer or to order, go to parts.agcocorp.com

Delavan® 1/4" Raindrop® Nozzles

This is a wide-angle (120°), hollow-cone, drift-reduction nozzle. Replaces conventional flooding nozzles in broadcast applications.

Part	Description
AG002172	RA4 - Red
AG002186	RA6 - Gray
AG002173	RA8 - White
AG002176	RA10 - Tan
AG005230	RA15 - Lt. Blue

Delavan® 3/4" Raindrop Nozzles

This is a wide-angle (140°), hollow-cone, drift-reduction nozzle. Replaces conventional flooding nozzles in high-volume, high-speed broadcast applications with flotation or truck-mounted equipment.

Features:

- Color coding of the popular sizes makes it easy to match nozzle flow rates for easy identification; made of color-coded Zytel® nylon; body is color coded; cap will be black; other sizes will be all black
- Reduces drastically the amount of driftable spray particles or "fines" (droplets under 100 micrometers)
- Uniform spray distribution
- A large orifice opening and passages minimize clogging

The Raindrop nozzle's patented design element, a secondary swirl chamber in the nozzle cap, alters the swirling action of the liquid so fewer driftable "fines" are discharged from the secondary orifice.

Zytel is a registered trademark of E.I. duPont de Nemours, Inc. Specific gravity and viscosity of solution may affect the flow of R.A. Raindrop nozzle somewhat differently from flood nozzles. Therefore, we recommend using the flow rate (GPA) of the nozzle based on water as the base calibration point.

Notes: *Maximum recommended pressure, nylon: 100 PSIG (700 kPa). Maximum recommended temperature 120°F (50°C). It is not recommended to space nozzles wider than 60".*

Part	Description
AG002164	RA-80 Nozzle, 140° - Red
AG002816	RA-120 Nozzle, 140° - Purple
AG007873	RA-240 Nozzle, 140° - Gold
AG007874	RA-260 Nozzle, 140°



Nozzle Size (3/4" Inlet)	Part	Pressure (PSIG)	Capacity 1-Nozzle (GPM)	Gallons Per Acre - Based on Water											
				40" Spacing					60" Spacing						
				5MPH	7.5MPH	10 MPH	12 MPH	16 MPH	5MPH	7.5MPH	10 MPH	12 MPH	16 MPH	18MPH
RA-80 140° Red	AG002164	20	5.7	168	112	84	70	53	112	75	56	47	35	31
		30	6.9	206	137	102	86	64	137	91	69	57	43	38
		40	8.0	238	158	119	99	74	156	106	79	66	50	44
		50	9.0	266	177	133	111	83	177	118	89	74	55	49
RA-120 140° Purple	AG002816	20	8.5	252	168	126	105	79	168	112	84	70	52	47
		30	10.4	309	206	154	129	96	206	137	103	86	64	57
		40	12.0	356	238	178	148	111	238	158	119	99	74	66
		50	13.4	398	266	199	166	125	266	177	133	111	83	74
RA-240 140° Gold	AG007873	20	17.0	504	336	252	210	158	336	224	168	140	105	93
		30	20.8	617	412	309	257	193	412	274	206	171	129	114
		40	24.0	713	475	256	297	223	475	317	238	198	148	132
		50	26.8	797	531	298	332	249	531	354	266	221	166	148
RA-80 140°	AG007874	20	18.4	546	364	273	228	171	364	243	182	152	114	101
		30	22.5	669	446	334	279	209	446	297	223	186	139	124
		40	26.0	772	515	386	322	241	515	343	257	214	161	143
		50	29.1	863	576	432	360	270	576	384	288	240	180	160

TeeJet Stainless Steel Orifice Discs



Spray is uniformly distributed in a cone pattern with good atomization. The core actually produces the cone-shaped pattern. Disc-core nozzles are common in spraying insecticides at higher pressures. Disc tips are also suitable for wettable powders and other erosive products. Ceramic discs and cores are also available for superior wear resistance.

Notes: *For metal disc and core, use quick-attach cap ACP0484650 and gasket AG008922. For ceramic disc and core combination, use cap and gasket set AG055227.*

Part	Description
AG001519	D1 Orifice Disc
AG001520	D2 Orifice Disc
AG001522	D3 Orifice Disc
AG001523	D4 Orifice Disc
AG001524	D5 Orifice Disc
AG001525	D6 Orifice Disc
AG001526	D7 Orifice Disc
AG001527	D8 Orifice Disc
AG001528	D10 Orifice Disc
AG001529	D12 Orifice Disc
AG001530	D14 Orifice Disc
AG050107	D16 Orifice Disc

TeeJet Ceramic Orifice Discs

Quick TeeJet Systems require a special cap and gasket set for ceramic disc/core combination–use AG055227.

Notes: *When metal disc and core are used, special cap and gasket are required. Cap, black ACP0484650, gasket EPR AG008922. For ceramic disc and core combination, use cap and gasket set AG055227.*

Part	Description
AG009854	DCER-2 Orifice Disc
AG009858	DCER-3 Orifice Disc
AG009857	DCER-4 Orifice Disc
AG051292	DCER-5 Orifice Disc
AG052849	DCER-6 Orifice Disc
AG051293	DCER-7 Orifice Disc
AG052153	DCER-8 Orifice Disc
AG052860	DCER-10 Orifice Disc

Hardened Stainless Steel Cores

Notes: *Cores #23, 25, and 45 produce a hollow-cone spray pattern. Core #35 produces full-cone pattern.*

Part	Description
AG008752	DC35 - HSS
AG001562	DC23 - HSS
AG001565	DC25 - HSS
AG001575	DC45 - HSS

Combination TeeJet Disc and Core No. (Slotted Strainer No.)	Liquid Pressure in PSI	Capacity in GPM per Nozzle	GALLONS PER ACRE*—30" ROW SPACING									GALLONS PER ACRE*—40" ROW SPACING								
			ONE NOZZLE PER ROW (30")			TWO NOZZLES PER ROW (30")			THREE NOZZLES PER ROW (30")			ONE NOZZLE PER ROW (40")			TWO NOZZLES PER ROW (40")			THREE NOZZLES PER ROW (40")		
			3 MPH	4 MPH	5 MPH	3 MPH	4 MPH	5 MPH	3 MPH	4 MPH	5 MPH	3 MPH	4 MPH	5 MPH	3 MPH	4 MPH	5 MPH	3 MPH	4 MPH	5 MPH
D2-13 (4514-20)	40	.08	5.3	4.0	3.2	10.5	7.9	6.3	15.8	11.9	9.5	4.0	3.0	2.4	7.9	5.9	4.7	11.8	8.8	7.1
	60	.10	6.6	4.9	4.0	13.2	9.9	7.9	19.8	14.8	11.9	4.9	3.7	3.0	9.9	7.4	5.9	14.8	11.1	8.9
	80	.11	7.3	5.4	4.4	14.5	10.9	8.7	22	16.3	13.1	5.4	4.1	3.3	10.9	8.2	6.6	16.3	12.3	9.8
	100	.12	7.9	5.9	4.8	15.8	11.9	9.5	24	17.8	14.2	5.9	4.5	3.6	11.8	8.8	7.1	17.8	13.4	10.7
	150	.14	9.2	6.9	5.5	18.5	13.9	11.1	28	21	16.6	6.9	5.2	4.2	13.8	10.4	8.3	21	15.6	12.5
	250	.17	11.2	8.4	6.7	22	16.8	13.5	34	25	20	8.4	6.3	5.0	16.7	12.5	10.0	25	18.9	15.1
	400	.21	13.9	10.4	8.3	28	21	16.6	42	31	25	10.4	7.8	6.2	21	15.6	12.5	31	23	18.7
D2-23 (4514-20)	40	.10	6.6	4.9	4.0	13.2	9.9	7.9	19.8	14.8	11.9	4.9	3.7	3.0	9.9	7.4	5.9	14.9	11.1	8.9
	60	.13	8.6	6.4	5.2	17.2	12.9	10.3	26	19.3	15.5	6.2	4.6	3.7	12.4	9.3	7.4	18.5	13.9	11.1
	80	.14	9.2	6.9	5.5	18.5	13.9	11.1	28	21	16.6	6.9	5.2	4.2	13.9	10.4	8.3	21	15.6	12.5
	100	.16	10.6	7.9	6.3	21	15.8	12.7	32	24	19	7.7	5.8	4.6	15.4	11.6	9.2	23	17.3	13.8
	150	.19	12.5	9.4	7.5	25	18.8	15.0	38	28	23	9.2	6.9	5.5	18.3	13.7	11.0	27	21	16.5
	250	.23	15.2	11.4	9.1	30	23	18.2	46	34	27	11.3	8.4	6.8	23	16.9	13.5	34	25	20
	400	.28	18.5	13.9	11.1	37	28	22	55	42	33	13.9	10.4	8.3	28	21	16.7	42	31	25
D3-23 (4514-20)	40	.12	7.9	5.9	4.8	15.8	11.9	9.5	24	17.8	14.2	5.8	4.4	3.5	11.7	8.8	7.0	17.5	13.1	10.5
	60	.14	9.2	6.9	5.5	18.5	13.9	11.1	28	21	16.6	6.9	5.2	4.2	13.9	10.4	8.3	21	15.6	12.5
	80	.16	10.6	7.9	6.3	21	15.8	12.7	32	24	19	7.9	5.9	4.8	15.8	11.9	9.5	24	17.8	14.4
	100	.18	11.9	8.9	7.1	24	17.8	14.2	36	27	21	8.7	6.5	5.2	17.4	13.1	10.5	26	19.5	15.6
	150	.21	13.9	10.4	8.3	28	21	16.6	42	31	25	10.3	7.8	6.2	21	15.5	12.4	31	23	18.6
	250	.26	17.2	12.9	10.3	34	26	21	52	39	31	12.8	9.6	7.7	26	19.2	15.4	38	29	23
	400	.32	21	15.8	12.7	42	32	25	63	48	38	15.8	12.8	9.5	32	24	19.0	47	35	28
D2-25 (4514-20)	40	.16	10.6	7.9	6.3	21	15.8	12.7	32	24	19	8.0	6.0	4.8	15.9	11.9	9.6	24	17.9	14.3
	60	.19	12.5	9.4	7.5	25	18.8	15.0	38	28	23	9.6	7.2	5.8	19.2	14.4	11.5	29	22	17.3
	80	.22	14.5	10.9	8.7	29	22	17.4	44	33	26	10.9	8.2	6.6	22	16.4	13.2	33	25	19.7
	100	.25	16.5	12.4	9.9	33	25	19.8	50	37	30	12.1	9.1	7.3	24	18.1	14.5	36	27	22
	150	.29	19.1	14.3	11.5	38	29	23	57	43	34	14.5	10.9	8.7	29	22	17.5	44	33	26
	250	.37	24	18.3	14.7	49	37	29	73	55	44	18.3	13.7	11.0	37	28	22	55	42	33
	400	.46	30	23	18.2	61	46	36	91	68	55	23	17.1	13.7	46	35	28	68	51	41
D3-25 (4514-32)	40	.19	12.5	9.4	7.5	25	18.8	15.0	38	28	23	9.4	7.0	5.6	18.7	14.0	11.2	28	21	16.8
	60	.23	15.2	11.4	9.1	30	23	18.2	46	34	27	11.3	8.5	6.8	23	17.0	13.5	34	26	20
	80	.26	17.2	12.9	10.3	34	26	21	52	39	31	12.9	9.7	7.7	26	19.4	15.5	39	29	23
	100	.29	19.1	14.3	11.5	38	29	23	57	43	34	14.4	10.8	8.7	29	22	17.3	43	33	26
	150	.35	23	17.3	13.9	46	35	28	69	52	42	17.3	13.0	10.4	35	26	21	52	39	31
	250	.44	29	22	17.4	58	44	35	87	65	52	22	16.5	13.1	44	33	26	66	49	40
	400	.55	36	27	22	73	54	44	109	82	65	27	20	16.3	54	41	33	82	61	49
D3-45 (4514-32)	40	.23	15.2	11.4	9.1	30	23	18.2	46	34	27	11.4	8.6	6.9	23	17.1	13.7	34	26	21
	60	.28	18.5	13.9	11.1	37	28	22	55	42	33	13.9	10.4	8.4	28	21	16.7	42	32	25
	80	.33	22	16.3	13.1	44	33	26	65	49	39	16.2	12.2	9.7	32	24	19.4	49	36	29
	100	.36	24	17.8	14.3	48	36	29	71	53	43	18.0	13.5	10.8	36	27	22	54	41	33
	150	.44	29	22	17.4	58	44	35	87	65	52	22	16.3	13.0	43	33	26	65	49	39
	250	.56	37	28	22	74	55	44	111	83	66	28	21	16.7	56	42	33	84	63	50
	400	.71	47	35	28	94	71	56	140	105	84	35	26	21	70	53	42	105	79	63
D4-25 (4514-32)	40	.29	19.1	14.3	11.5	38	29	23	57	43	34	14.2	10.6	8.5	28	21	17	43	32	26
	60	.35	23	17.3	13.9	46	35	28	69	52	42	17.3	13.0	10.4	35	27	21	52	39	31
	80	.40	26	19.8	15.8	53	40	32	79	59	47	19.8	14.9	11.9	40	30	24	60	45	36
	100	.45	30	22	17.8	59	45	36	89	67	53	22	16.5	13.2	44	33	26	66	50	40
	150	.54	36	27	21	71	53	43	107	80	64	27	20	16.0	53	40	32	80	60	48
	250	.68	45	34	27	90	67	54	135	101	81	34	25	20	68	51	41	101	76	61
	400	.86	57	43	34	113	85	68	170	128	102	43	32	26	85	64	51	128	96	77

Brass Cores

Notes: *Core #46 produces a hollow-cone spray pattern.*
Cores #31 and 25 produce full-cone pattern.

Part	Description
AG001560	DC23 Brass Core
AG001563	DC25 Brass Core
AG007724	DC31 Brass Core
AG006237	DC35 Brass Core
AG001573	DC45 Brass Core
AG001576	DC46 Brass Core

Ceramic Cores

Part	Description
AG052858	DC13-CER
AG052127	DC23-CER
AG009855	DC25-CER
AG052856	DC33-CER
AG052857	DC35-CER
AG051294	DC45-CER
AG052792	DC56-CER

Combination TeeJet Disc and Core No. (Slotted Strainer No.)	Liquid Pressure in PSI	Capacity in GPM per Nozzle	GALLONS PER ACRE*—30" ROW SPACING									GALLONS PER ACRE*—40" ROW SPACING								
			ONE NOZZLE PER ROW			TWO NOZZLES PER ROW			THREE NOZZLES PER ROW			ONE NOZZLE PER ROW			TWO NOZZLES PER ROW			THREE NOZZLES PER ROW		
			3 MPH	4 MPH	5 MPH	3 MPH	4 MPH	5 MPH	3 MPH	4 MPH	5 MPH	3 MPH	4 MPH	5 MPH	3 MPH	4 MPH	5 MPH	3 MPH	4 MPH	5 MPH
D4-45 (4514-32)	40	.36	24	17.8	14.3	48	36	29	71	53	43	17.7	13.2	10.6	35	27	21	53	40	32
	60	.43	28	21	17	57	43	34	85	64	51	21	16.0	12.8	43	32	26	64	48	38
	80	.50	33	25	19.8	66	50	40	99	74	59	25	18.5	14.8	49	37	30	74	56	45
	100	.56	37	28	22	74	55	44	111	83	66	28	21	16.7	55	42	35	83	62	50
	150	.68	45	34	27	90	67	54	135	101	81	34	25	20	67	51	40	101	76	61
	250	.86	57	43	34	113	85	68	170	128	102	43	32	26	85	64	51	128	96	77
	400	1.11	73	55	44	147	110	88	220	165	132	55	41	33	110	83	66	165	124	99
D5-45 (4514-32)	40	.45	30	22	17.8	59	45	36	89	67	53	22	16.7	13.4	45	33	27	67	50	40
	60	.55	36	27	22	73	54	44	109	82	65	27	20	16.3	54	41	33	82	61	49
	80	.64	42	32	25	85	63	51	127	95	76	32	24	19	63	47	38	95	71	57
	100	.71	47	35	28	94	71	56	140	105	84	35	26	21	70	53	42	105	79	63
	150	.86	57	43	34	113	85	68	170	128	102	43	32	26	85	64	51	128	96	77
	250	1.11	73	55	44	147	110	88	220	165	132	55	41	33	110	83	66	165	124	99
	400	1.40	92	69	55	185	139	111	277	207	166	69	52	42	138	104	83	208	156	125
D7-25 (4514-32)	40	.52	34	26	21	69	51	41	103	77	62	26	19.3	15.5	52	39	31	77	58	46
	60	.63	42	31	25	83	62	50	125	94	75	31	23	18.7	62	47	37	94	70	56
	80	.73	48	36	29	96	72	58	144	108	87	36	27	22	72	54	43	108	81	65
	100	.81	53	40	32	107	80	64	160	120	96	40	30	24	80	60	48	120	90	72
	150	.98	65	49	39	129	97	78	194	146	116	48	36	29	97	73	58	146	109	87
	250	1.27	84	63	50	168	126	100	251	188	151	63	47	38	126	94	75	189	141	113
	400	1.59	125	79	63	210	157	126	315	236	189	79	59	47	157	118	94	236	177	141
D6-45 (4514-32)	40	.58	38	29	23	77	57	46	115	86	69	29	22	17.3	57	43	35	86	65	52
	60	.72	47	36	29	95	71	57	142	107	86	36	27	21	71	53	43	107	80	64
	80	.83	55	41	33	109	82	66	164	123	99	41	31	25	82	62	49	123	92	74
	100	.93	61	46	37	123	92	74	184	138	110	46	35	28	92	69	55	138	104	83
	150	1.15	76	57	46	152	114	91	228	171	137	57	43	34	114	85	68	171	128	102
	250	1.48	98	73	59	195	146	117	293	219	176	73	55	44	146	110	88	220	165	132
	400	1.90	125	94	75	250	188	150	376	282	225	94	71	56	188	141	113	282	212	169
D7-45 (4514-32)	40	.68	45	34	27	90	67	54	135	101	81	34	25	20	67	51	40	101	76	61
	60	.84	55	42	33	111	83	67	166	125	100	42	31	25	83	62	50	125	93	75
	80	.97	64	48	38	128	96	77	192	144	115	48	36	29	96	72	58	144	108	86
	100	1.11	73	55	44	147	110	88	220	165	132	55	41	33	110	82	66	165	123	99
	150	1.35	89	67	53	178	134	107	267	200	160	67	50	40	134	100	80	201	150	120
	250	1.75	116	87	69	231	173	139	347	260	208	87	65	52	173	130	104	260	195	156
	400	2.25	148	111	89	296	222	178	445	334	267	111	83	67	223	167	134	334	250	200
D10-25 (4514-32)	40	.76	50	38	30	100	75	60	150	113	90	38	28	23	75	56	45	113	85	68
	60	.93	61	46	37	123	92	74	184	138	110	46	35	28	92	69	55	138	104	83
	80	1.07	71	53	42	141	106	85	212	159	127	53	40	32	106	80	64	159	119	95
	100	1.21	80	60	48	160	120	96	240	180	144	60	45	36	120	90	72	180	135	108
	150	1.48	98	73	59	195	146	117	293	219	176	73	55	44	146	110	88	219	165	132
	250	1.90	125	94	75	250	188	150	376	282	225	94	71	56	188	141	113	282	211	169
	400	2.40	158	119	95	317	237	190	475	356	385	119	89	71	237	178	142	356	267	214
D12-25 (4514-32)	40	.93	61	46	37	123	92	74	184	138	110	46	35	28	92	69	55	138	104	83
	60	1.15	76	57	46	152	114	91	228	171	137	57	43	34	114	85	68	171	128	102
	80	1 32	87	65	52	174	131	104	261	196	157	65	49	39	131	98	78	196	147	117
	100	1.47	97	73	58	194	145	116	291	218	174	73	55	44	145	109	87	218	164	131
	150	1.81	119	90	72	239	179	143	358	269	215	90	67	54	179	134	108	269	201	161
	250	2.32	153	115	92	306	230	184	459	345	276	115	86	69	230	172	138	345	258	207
	400	2.95	195	146	117	389	292	234	584	438	350	146	110	88	292	219	175	438	329	263
D7-56 (4514-32) Full Cone Spray Pattern	40	1.52	100	75	60	200	150	120	301	225	180	75	56	45	150	113	90	226	169	135
	60	1.86	123	92	74	245	184	148	368	276	221	92	69	55	184	138	110	276	207	165
	80	2.15	142	106	85	283	213	170	425	319	255	106	80	64	213	160	128	319	239	192
	100	2.40	158	119	95	317	237	190	475	356	285	119	89	71	237	178	143	357	267	214
	150	2.94	194	145	116	388	291	233	582	436	349	145	109	87	291	218	175	436	327	261
	250	3.80	251	188	150	501	376	301	753	564	451	188	141	113	376	283	226	565	424	339
	400	4.81	317	238	190	634	476	381	952	714	570	238	179	143	476	357	286	714	536	429
D8-56 (4514-32) Full Cone Spray Pattern	40	1.93	127	95	76	254	191	153	382	286	229	95	72	57	191	143	105	286	215	172
	60	2.36	156	117	93	311	233	187	467	350	280	117	88	70	233	175	140	350	262	210
	80	2.73	180	135	108	360	270	216	540	405	324	135	101	81	270	202	162	405	304	243
	100	3.05	201	151	121	403	302	242	604	453	363	151	113	91	302	226	181	453	339	272
	150	3.73	246	185	148	493	369	295	738	554	443	185	188	111	369	277	222	554	415	333
	250	4.82	318	239	191	636	478	382	955	716	573	239	179	143	478	358	286	716	536	429
	400	6.10	403	302	242	805	604	484	1210	906	726	302	227	181	604	453	362	906	680	543

XP BoomJet



Features:

- Unique orifice geometry produces wide spray pattern while maintaining superior distribution across entire width; pre-orifice design minimizes drift
- Extra-wide spray pattern up to 18.5'
- Removable polymer pre-orifice
- Acetal or stainless steel construction for excellent chemical resistance
- Recommended spray pressure range 20-60 PSI
- Color coding for easy capacity identification

Typical Applications:

- Boomless field spray applications
- Roadside and right-of-way applications
- End row spraying
- De-icing applications
- Orchard and forestry spraying

Part	Description
AG426219	Nozzle 1/4XP10R-VP
AG426220	Nozzle 1/4XP10L-VP
AG426211	Nozzle 1/4XP20R-VP
AG426213	Nozzle 1/4XP25R-VP
AG426214	Nozzle 1/4XP25L-VP
AG426215	Nozzle 1/2XP40R-VP
AG426216	Nozzle 1/2XP40L-VP
AG426217	Nozzle 1/2XP80R-VP
AG426218	Nozzle 1/2XP80L-VP

"R", "L"	PSI	DROP SIZE	CAPACITY TWO NOZZLE IN GPM	SPRAY WIDTH "W" (FEET)		NOZZLE SPACING "X" = 0–3" 24"										NOZZLE SPACING "X" = 0–3" 36"									
						GPA FOR TWO NOZZLES						GALLONS PER 1000 SQ. FT.				GPA FOR TWO NOZZLES						GALLONS PER 1000 SQ. FT.			
				24" HEIGHT	36" HEIGHT	4 MPH	6 MPH	8 MPH	10 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH	4 MPH	6 MPH	8 MPH	10 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
(B)1/4XP10R (B)1/4XP10L	20	XC	1.42	17.0	20.0	10.3	6.9	5.2	4.1	2.8	2.1	0.47	0.32	0.24	0.19	8.8	5.9	4.4	3.5	2.3	1.8	0.40	0.27	0.20	0.16
	30	XC	1.74	20.0	22.0	10.8	7.2	5.4	4.3	2.9	2.2	0.49	0.33	0.25	0.20	9.8	6.5	4.9	3.9	2.6	2.0	0.45	0.30	0.22	0.18
	40	XC	2.00	22.0	25.0	11.3	7.5	5.6	4.5	3.0	2.3	0.52	0.34	0.26	0.21	9.9	6.6	5.0	4.0	2.6	2.0	0.45	0.30	0.23	0.18
	50	XC	2.24	25.0	27.0	11.1	7.4	5.5	4.4	3.0	2.2	0.51	0.34	0.25	0.20	10.3	6.8	5.1	4.1	2.7	2.1	0.47	0.31	0.24	0.19
	60	XC	2.44	26.0	29.0	11.6	7.7	5.8	4.6	3.1	2.3	0.53	0.35	0.27	0.21	10.4	6.9	5.2	4.2	2.8	2.1	0.48	0.32	0.24	0.19
(B)1/4XP20R (B)1/4XP20L	20	XC	2.84	18.0	22.0	19.5	13.0	9.8	7.8	5.2	3.9	0.89	0.60	0.45	0.36	16.0	10.7	8.0	6.4	4.3	3.2	0.73	0.49	0.37	0.29
	30	XC	3.50	23.0	24.0	18.8	12.6	9.4	7.5	5.0	3.8	0.86	0.57	0.43	0.34	18.0	12.0	9.0	7.2	4.8	3.6	0.83	0.55	0.41	0.33
	40	XC	4.00	27.0	28.0	18.3	12.2	9.2	7.3	4.9	3.7	0.84	0.56	0.42	0.34	17.7	11.8	8.8	7.1	4.7	3.5	0.81	0.54	0.40	0.32
	50	XC	4.50	29.0	30.0	19.2	12.8	9.6	7.7	5.1	3.8	0.88	0.59	0.44	0.35	18.6	12.4	9.3	7.4	5.0	3.7	0.85	0.57	0.43	0.34
	60	XC	5.00	30.0	32.0	21	13.8	10.3	8.3	5.5	4.1	0.94	0.63	0.47	0.38	19.3	12.9	9.7	7.7	5.2	3.9	0.89	0.59	0.44	0.35
(B)1/4XP25R (B)1/4XP25L	20	XC	3.48	21.0	22.0	21	13.7	10.3	8.2	5.5	4.1	0.94	0.63	0.47	0.38	19.6	13.1	9.8	7.8	5.2	3.9	0.90	0.60	0.45	0.36
	30	XC	4.26	24.0	27.0	22	14.6	11.0	8.8	5.9	4.4	1.0	0.67	0.50	0.40	19.5	13.0	9.8	7.8	5.2	3.9	0.89	0.60	0.45	0.36
	40	XC	5.00	27.0	29.0	23	15.3	11.5	9.2	6.1	4.6	1.0	0.70	0.52	0.42	21	14.2	10.7	8.5	5.7	4.3	0.98	0.65	0.49	0.39
	50	XC	5.50	29.0	30.0	23	15.6	11.7	9.4	6.3	4.7	1.1	0.72	0.54	0.43	23	15.1	11.3	9.1	6.1	4.5	1.0	0.69	0.52	0.42
	60	XC	6.00	30.0	32.0	25	16.5	12.4	9.9	6.6	5.0	1.1	0.76	0.57	0.45	23	15.5	11.6	9.3	6.2	4.6	1.1	0.71	0.53	0.43
(B)1/2XP40R (B)1/2XP40L	20	XC	5.74	22.0	24.0	32	22	16.1	12.9	8.6	6.5	1.5	0.99	0.74	0.59	30	19.7	14.8	11.8	7.9	5.9	1.4	0.90	0.68	0.54
	30	XC	7.06	26.0	29.0	34	22	16.8	13.4	9.0	6.7	1.5	1.0	0.77	0.62	30	20	15.1	12.1	8.0	6.0	1.4	0.92	0.69	0.55
	40	XC	8.00	28.0	31.0	35	24	17.7	14.1	9.4	7.1	1.6	1.1	0.81	0.65	32	21	16.0	12.8	8.5	6.4	1.5	0.97	0.73	0.58
	50	XC	9.10	30.0	32.0	38	25	18.8	15.0	10.0	7.5	1.7	1.1	0.86	0.69	35	23	17.6	14.1	9.4	7.0	1.6	1.1	0.81	0.64
	60	XC	10.0	32.0	35.0	39	26	19.3	15.5	10.3	7.7	1.8	1.2	0.89	0.71	35	24	17.7	14.1	9.4	7.1	1.6	1.1	0.81	0.65
(B)1/2XP80R (B)1/2XP80L	20	XC	11.2	26.0	31.0	53	36	27	21	14.2	10.7	2.4	1.6	1.2	0.98	45	30	22	17.9	11.9	8.9	2.0	1.4	1.0	0.82
	30	XC	13.7	30.0	33.0	57	38	28	23	15.1	11.3	2.6	1.7	1.3	1.0	51	34	26	21	13.7	10.3	2.4	1.6	1.2	0.94
	40	XC	16.0	32.0	35.0	62	41	31	25	16.5	12.4	2.8	1.9	1.4	1.1	57	38	28	23	15.1	11.3	2.6	1.7	1.3	1.0
	50	XC	17.5	33.0	36.0	66	44	33	26	17.5	13.1	3.0	2.0	1.5	1.2	60	40	30	24	16.0	12.0	2.8	1.8	1.4	1.1
	60	XC	19.2	35.0	37.0	68	45	34	27	18.1	13.6	3.1	2.1	1.6	1.2	64	43	32	26	17.1	12.8	2.9	2.0	1.5	1.2

Note: Always double-check your application rates.
Tabulations are based on spraying water at 70°F (21°C).

Pentair® Hypro™ Boom X Tender Boomless Nozzles

PENTAIR HYPRO



Hypro X Tender redefines boomless spray technology by focusing on uniformity of spray pattern and accuracy of product delivered to the target. The most important innovation is reducing the likelihood of off-target trespass, which has been associated with boomless spray tips in some applications. The X Tender series has the ability to reduce fine droplets and match the performance characteristic of standard spray tips. Hypro® X Tender combines the characteristics of off-center spray tips with the pattern uniformity of flat-fan spray tips. The large droplet produced by the patent-pending, stepped-slot design offers users a simple and consistent spray tip. All wearable parts are replaceable on the entire Hypro X Tender Series.

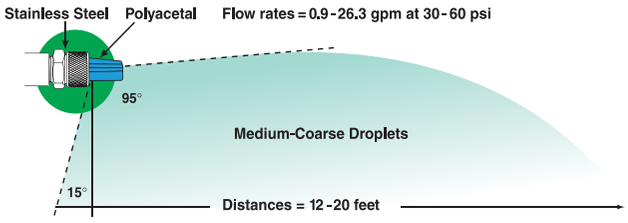
Part	Description
AG427485	FastCap Nozzle FC-XT020
AG427486	FastCap Nozzle FC-XT024
AG427487	FastCap Nozzle FC-XT043
AG726410	Nozzle XT 010
AG726322	Nozzle XT 020
AG726323	Nozzle XT 024
AG726324	Nozzle XT 043
AG726321	Nozzle XT 080
AG726758	Nozzle XT 167
AG726858	Nozzle Replacement XT 010
AG726857	Nozzle Replacement XT 020
AG726856	Nozzle Replacement XT 024
AG726859	Nozzle Replacement XT 043
AG726860	Nozzle Replacement XT 080
AG726861	Nozzle Replacement XT 167
AG726862	Nozzle Replacement XT 215

Tip Size	Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing MPH								GAL/1000FT² 20 inch nozzle spacing				Swath (Ft) at 40 PSI 48 in high
			4	5	6	8	10	12	15	20	2	3	4	5	
10 (1/4")	30	0.9	9.3	7.4	6.2	4.6	3.7	3.1	2.5	1.9	0.43	0.28	0.21	0.17	12
	40	1.0	10.3	8.3	6.9	5.2	4.1	3.4	2.8	2.1	0.47	0.32	0.24	0.19	
	50	1.1	11.3	9.1	7.6	5.7	4.5	3.8	3.0	2.3	0.52	0.35	0.26	0.21	
	60	1.2	12.4	9.9	8.3	6.2	5.0	4.1	3.3	2.5	0.57	0.38	0.28	0.23	
20 (1/4")	30	1.7	12.4	9.9	8.3	6.2	5.0	4.1	3.3	2.5	0.57	0.38	0.28	0.23	17
	40	2.0	14.6	11.6	9.7	7.3	5.8	4.9	3.9	2.9	0.67	0.45	0.33	0.27	
	50	2.2	16.0	12.8	10.7	8.0	6.4	5.3	4.3	3.2	0.74	0.49	0.37	0.29	
	60	2.4	17.5	14.0	11.6	8.7	7.0	5.8	4.7	3.5	0.80	0.53	0.40	0.32	
24 (1/4")	30	2.1	14.4	11.6	9.6	7.2	5.8	4.8	3.9	2.9	0.66	0.44	0.33	0.27	18
	40	2.4	16.5	13.2	11.0	8.3	6.6	5.5	4.4	3.3	0.76	0.51	0.38	0.30	
	50	2.7	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34	
	60	2.9	19.9	16.0	13.3	10.0	8.0	6.6	5.3	4.0	0.92	0.61	0.46	0.37	
43 (3/8")	30	3.7	25.4	20.4	17.0	12.7	10.2	8.5	6.8	5.1	1.17	0.78	0.58	0.47	18
	40	4.3	29.6	23.7	19.7	14.8	11.8	9.9	7.9	5.9	1.36	0.90	0.68	0.54	
	50	4.8	33.0	26.4	22.0	16.5	13.2	11.0	8.8	6.6	1.52	1.01	0.76	0.61	
	60	5.3	36.4	29.2	24.3	18.2	14.6	12.1	9.7	7.3	1.67	1.12	0.84	0.67	
80 (1/2")	30	6.9	50.2	40.2	33.5	25.1	20.1	16.7	13.4	10.0	2.31	1.54	1.15	0.92	17
	40	8.0	58.2	46.6	38.8	29.1	23.3	19.4	15.5	11.6	2.67	1.78	1.34	1.07	
	50	8.9	64.8	51.8	43.2	32.4	25.9	21.6	17.3	13.0	2.97	1.98	1.49	1.19	
	60	9.8	71.3	57.1	47.6	35.7	28.5	23.8	19.0	14.3	3.28	2.18	1.64	1.31	
167 (3/4")	30	14.5	99.7	79.8	66.5	49.8	39.9	33.2	26.6	19.9	4.58	3.05	2.29	1.83	18
	40	16.7	115	91.9	76.5	57.4	45.9	38.3	30.6	23.0	5.27	3.51	2.64	2.11	
	50	18.7	129	103	85.7	64.3	51.4	42.9	34.3	25.7	5.90	3.94	2.95	2.36	
	60	20.5	141	113	94.0	70.5	56.4	47.0	37.6	28.2	6.47	4.31	3.24	2.59	
215 (3/4")	30	18.6	115	92.1	76.7	57.5	46.0	38.4	30.7	23.0	5.28	3.52	2.64	2.11	20
	40	21.5	133	106	88.7	66.5	53.2	44.3	35.5	26.6	6.11	4.07	3.05	2.44	
	50	24.0	149	119	99.0	74.3	59.4	49.5	39.6	29.7	6.82	4.55	3.41	2.73	
	60	26.3	163	130	108	81.4	65.1	54.2	43.4	32.5	7.47	4.98	3.74	2.99	

Features	
Common Use	Weeds
Pattern	Boomless Fan
Technology	Pre-Orifice
Material	Stainless or Polyacetal
Spray Angle	105°
Pressure Range	30-60 PSI
Configuration	MNPT & FastCap

Application Selection Guide	
Foliar Contact	–
Foliar Systemic	Very Good
Soil Applied	Very Good
Drift Control	Very Good

Standard Pattern



Part Numbers	
MNPT	FastCaps
XT010	-
XT020	FC-XT020
XT024	FC-XT024
XT043	FC-XT043
XT080	-
XT167	-
XT215	-
Parts Kits for MNPT version	
XT010-GIOKIT	
XT020-GIOKIT	
XT024-GIOKIT	
XT043-GIOKIT	
XT080-GIOKIT	
XT167-GIOKIT	
XT215-GIOKIT	

StreamJet Stainless Steel Solid-Stream Spray Nozzles



- Stainless steel for banding fertilizers
- Permit banding fluids at higher rates of speed
- Large orifices with no internal obstructions are ideal for suspension fertilizer applications
- Low drift potential
- 1/4" threads

Notes: *StreamJet tip uses Type T or TT nozzle body and cap. Please refer to Nozzle Accessories section.*

Part	Description
AG844859	Nozzle StreamJet No. 3
AG009836	Nozzle StreamJet No. 4
AG052796	Nozzle StreamJet No. 5
AG051459	Nozzle StreamJet No. 6
AG844061	Nozzle StreamJet No. 8
AG007317	Nozzle StreamJet No. 10
AG007318	Nozzle StreamJet No. 15
AG007319	Nozzle StreamJet No. 20
AG007320	Nozzle StreamJet No. 30
AG007321	Nozzle StreamJet No. 40
AG007322	Nozzle StreamJet No. 50
AG007323	Nozzle StreamJet No. 60
AG050753	Tip StreamJet No. 4
AG844439	Tip StreamJet No. 5

Part	Description
AG050610	Tip StreamJet No. 6
AG844440	Tip StreamJet No. 8
AG844441	Tip StreamJet No. 10
AG844442	Tip StreamJet No. 15
AG844720	Tip StreamJet No. 20
AG054319	Tip StreamJet No. 30
AG054318	Tip StreamJet No. 40

NOZZLE NO.	LIQUID PRESSURE IN PSI	CAPACITY IN GPM	GALLONS PER ACRE								
			4 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH
H¼USS0010 No. 007317	10	0.5	25	16.5	12.4	9.9	8.3	7.1	6.2	5.5	5.0
	20	0.7	35	23	17.5	14.0	11.7	10.0	8.8	7.8	7.0
	30	0.9	43	29	21	17.2	14.3	12.3	10.7	9.5	8.6
	40	1.0	49	33	25	19.8	16.5	14.1	12.4	11.0	9.9
H¼USS0015 No. 007318	10	0.8	37	25	18.6	14.9	12.4	10.6	9.3	8.3	7.4
	20	1.1	53	35	26	21	17.5	15.0	13.1	11.7	10.5
	30	1.3	64	43	32	26	21	18.4	16.1	14.3	12.9
	40	1.5	74	49	37	30	25	21	18.6	16.5	14.9
H¼USS0020 No. 007319	10	1.0	49	33	25	19.8	16.5	14.1	12.4	11.0	9.9
	20	1.4	70	47	35	28	23	20	17.5	15.6	14.0
	30	1.7	86	57	43	34	29	24	21	19.1	17.2
	40	2.0	99	66	49	40	33	28	25	22	19.8
H¼USS0030 No. 007320	10	1.5	74	49	37	30	25	21	18.6	16.5	14.9
	20	2.1	105	70	53	42	35	30	26	23	21
	30	2.6	129	86	64	51	43	37	32	29	26
	40	3.0	148	99	74	59	49	42	37	33	30
H¼USS0040 No. 007321	10	2.0	99	66	49	40	33	28	25	22	19.8
	20	2.8	140	93	70	56	47	40	35	31	28
	30	3.5	171	114	86	69	57	49	43	38	34
	40	4.0	198	132	99	79	66	57	49	44	40
H¼USS0050 No. 007322	10	2.5	124	82	62	49	41	35	31	27	25
	20	3.5	175	117	88	70	58	50	44	39	35
	30	4.3	214	143	107	86	71	61	54	48	43
	40	5.0	247	165	124	99	82	71	62	55	49
H¼USS0060 No. 007323	10	3.0	148	99	74	59	49	42	37	33	30
	20	4.3	210	140	105	84	70	60	53	47	42
	30	5.2	257	171	129	103	86	73	64	57	51
	40	6.0	297	198	148	119	99	85	74	66	59

StreamJet 3 Fertilizer Nozzles



Features:

- VisiFlo® color coding
- Three solid streams of equal velocity and capacity
- Removable metering orifice for easy cleaning
- Nine sizes for a wide range of application rates
- Use with Quick TeeJet Cap 114443-*-CELR
- All-acetal construction for excellent chemical resistance
- Recommended operating pressure: 20–60 PSI (1.5–4 bar)

Part	Description
AG726793	Nozzle SJ3-015-VP - Green
AG726794	Nozzle SJ3-02-VP - Yellow
AG726795	Nozzle SJ3-03-VP - Blue
AG726796	Nozzle SJ-04-VP - Red
AG726797	Nozzle SJ3-05-VP - Brown
AG726798	Nozzle SJ3-06-VP - Gray
AG726799	Nozzle SJ3-08-VP - White
AG726800	Nozzle SJ3-10-VP - Light Blue
AG726801	Nozzle SJ3-15-VP - Light Green
AG426202	Nozzle SJ3-20 VP - Black
ACP0484550	Nozzle Cap with Gasket - Black
ACP0484560	Nozzle Cap with Gasket - White
ACP0484570	Nozzle Cap with Gasket - Red
ACP0484580	Nozzle Cap with Gasket - Blue
ACP0484590	Nozzle Cap with Gasket - Green
ACP0484600	Nozzle Cap with Gasket - Yellow
ACP0484610	Nozzle Cap with Gasket - Brown
ACP0484620	Nozzle Cap with Gasket - Orange
ACP0484630	Nozzle Cap with Gasket - Gray
ACP0484640	Nozzle Cap with Gasket - Violet

Priced Per Piece.

Pack Qty. 25



	PSI	CAPACITY ONE NOZZLE IN GPM	GPA @ 20"										
			3 MPH	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH
SJ3-015-VP (100)	20	0.11	10.9	8.2	6.5	5.4	4.1	3.3	2.7	2.3	2.0	1.8	1.6
	30	0.13	12.9	9.7	7.7	6.4	4.8	3.9	3.2	2.8	2.4	2.1	1.9
	40	0.15	14.9	11.1	8.9	7.4	5.6	4.5	3.7	3.2	2.8	2.5	2.2
	50	0.16	15.8	11.9	9.5	7.9	5.9	4.8	4.0	3.4	3.0	2.6	2.4
	60	0.17	16.8	12.6	10.1	8.4	6.3	5.0	4.2	3.6	3.2	2.8	2.5
SJ3-02-VP (50)	20	0.14	13.9	10.4	8.3	6.9	5.2	4.2	3.5	3.0	2.6	2.3	2.1
	30	0.17	16.8	12.6	10.1	8.4	6.3	5.0	4.2	3.6	3.2	2.8	2.5
	40	0.20	19.8	14.9	11.9	9.9	7.4	5.9	5.0	4.2	3.7	3.3	3.0
	50	0.21	21	15.6	12.5	10.4	7.8	6.2	5.2	4.5	3.9	3.5	3.1
	60	0.22	22	16.3	13.1	10.9	8.2	6.5	5.4	4.7	4.1	3.6	3.3
SJ3-03-VP (50)	20	0.24	24	17.8	14.3	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6
	30	0.27	27	20	16.0	13.4	10.0	8.0	6.7	5.7	5.0	4.5	4.0
	40	0.30	30	22	17.8	14.9	11.1	8.9	7.4	6.4	5.6	5.0	4.5
	50	0.33	33	25	19.6	16.3	12.3	9.8	8.2	7.0	6.1	5.4	4.9
	60	0.35	35	26	21	17.3	13.0	10.4	8.7	7.4	6.5	5.8	5.2
SJ3-04-VP (50)	20	0.30	30	22	17.8	14.9	11.1	8.9	7.4	6.4	5.6	5.0	4.5
	30	0.36	36	27	21	17.8	13.4	10.7	8.9	7.6	6.7	5.9	5.3
	40	0.40	40	30	24	19.8	14.9	11.9	9.9	8.5	7.4	6.6	5.9
	50	0.43	43	32	26	21	16.0	12.8	10.6	9.1	8.0	7.1	6.4
	60	0.47	47	35	28	23	17.4	14.0	11.6	10.0	8.7	7.8	7.0
SJ3-05-VP (50)	20	0.36	36	27	21	17.8	13.4	10.7	8.9	7.6	6.7	5.9	5.3
	30	0.45	45	33	27	22	16.7	13.4	11.1	9.5	8.4	7.4	6.7
	40	0.50	50	37	30	25	18.6	14.9	12.4	10.6	9.3	8.3	7.4
	50	0.55	54	41	33	27	20	16.3	13.6	11.7	10.2	9.1	8.2
	60	0.59	58	44	35	29	22	17.5	14.6	12.5	11.0	9.7	8.8
SJ3-06-VP (50)	20	0.42	42	31	25	21	15.6	12.5	10.4	8.9	7.8	6.9	6.2
	30	0.54	53	40	32	27	20	16.0	13.4	11.5	10.0	8.9	8.0
	40	0.60	59	45	36	30	22	17.8	14.9	12.7	11.1	9.9	8.9
	50	0.66	65	49	39	33	25	19.6	16.3	14.0	12.3	10.9	9.8
	60	0.70	69	52	42	35	26	21	17.3	14.9	13.0	11.6	10.4
SJ3-08-VP	20	0.56	55	42	33	28	21	16.6	13.9	11.9	10.4	9.2	8.3
	30	0.72	71	53	43	36	27	21	17.8	15.3	13.4	11.9	10.7
	40	0.80	79	59	48	40	30	24	19.8	17.0	14.9	13.2	11.9
	50	0.88	87	65	52	44	33	26	22	18.7	16.3	14.5	13.1
	60	0.94	93	70	56	47	35	28	23	19.9	17.4	15.5	14.0
SJ3-10-VP	20	0.65	64	48	39	32	24	19.3	16.1	13.8	12.1	10.7	9.7
	30	0.90	89	67	53	45	33	27	22	19.1	16.7	14.9	13.4
	40	1.00	99	74	59	50	37	30	25	21	18.6	16.5	14.9
	50	1.11	110	82	66	55	41	33	27	24	21	18.3	16.5
	60	1.19	118	88	71	59	44	35	29	25	22	19.6	17.7
SJ3-15-VP	20	0.99	98	74	59	49	37	29	25	21	18.4	16.3	14.7
	30	1.24	123	92	74	61	46	37	31	26	23	20	18.4
	40	1.50	149	111	89	74	56	45	37	32	28	25	22
	50	1.68	166	125	100	83	62	50	42	36	31	28	25
	60	1.83	181	136	109	91	68	54	45	39	34	30	27
SJ3-20-VP	20	1.41	140	105	84	70	52	42	35	30	26	23	21
	30	1.75	173	130	104	87	65	52	43	37	32	29	26
	40	2.00	198	149	119	99	74	59	50	42	37	33	30
	50	2.28	226	169	135	113	85	68	56	48	42	38	34
	60	2.49	247	185	148	123	92	74	62	53	46	41	37

Note: Always double-check your application rates. Tabulations are based on spraying water at 70°F (21°C).

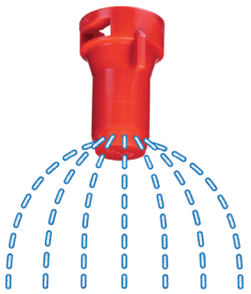
StreamJet 7 Fertilizer Nozzles

Excellent for application of liquid fertilizer.

Features:

- Creates seven identical fluid streams of equal velocity and capacity
- Excellent spray distribution quality
- Removable metering orifice for easy cleaning
- Offered in a variety of sizes for a wide range of application rates
- VisiFlo® color coding for easy capacity identification
- All-acetal construction for excellent chemical resistance
- Recommended operating pressure from 20-60 PSI

Part	Description
AG426051	Nozzle SJ7A-015-VP Green
AG426052	Nozzle SJ7A-02-VP Yellow
AG426053	Nozzle SJ7A-03-VP Blue
AG426054	Nozzle SJ7A-04-VP Red
AG426055	Nozzle SJ7A-05-VP Brown
AG426056	Nozzle SJ7A-06-VP Gray
AG426057	Nozzle SJ7A-08-VP White
AG426058	Nozzle SJ7A-10-VP Light Blue
AG426059	Nozzle SJ7A-15-VP Light Green







50854-NYB
Extension Adapter



	PSI	CAPACITY ONE NOZZLE IN GPM	GPA 20" 3 MPH	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH
SJ7A-015-VP (100)	20	0.10	9.9	7.4	5.9	5.0	3.7	3.0	2.5	2.1	1.9	1.7	1.5
	30	0.12	11.9	8.9	7.1	5.9	4.5	3.6	3.0	2.5	2.2	2.0	1.8
	40	0.15	14.9	11.1	8.9	7.4	5.6	4.5	3.7	3.2	2.8	2.5	2.2
	50	0.16	15.8	11.9	9.5	7.9	5.9	4.8	4.0	3.4	3.0	2.6	2.4
	60	0.18	17.8	13.4	10.7	8.9	6.7	5.3	4.5	3.8	3.3	3.0	2.7
SJ7A-02-VP (50)	20	0.14	13.9	10.4	8.3	6.9	5.2	4.2	3.5	3.0	2.6	2.3	2.1
	30	0.17	16.8	12.6	10.1	8.4	6.3	5.0	4.2	3.6	3.2	2.8	2.5
	40	0.20	19.8	14.9	11.9	9.9	7.4	5.9	5.0	4.2	3.7	3.3	3.0
	50	0.23	23	17.1	13.7	11.4	8.5	6.8	5.7	4.9	4.3	3.8	3.4
	60	0.25	25	18.6	14.9	12.4	9.3	7.4	6.2	5.3	4.6	4.1	3.7
SJ7A-03-VP (50)	20	0.22	22	16.3	13.1	10.9	8.2	6.5	5.4	4.7	4.1	3.6	3.3
	30	0.27	27	20	16.0	13.4	10.0	8.0	6.7	5.7	5.0	4.5	4.0
	40	0.30	30	22	17.8	14.9	11.1	8.9	7.4	6.4	5.6	5.0	4.5
	50	0.33	33	25	19.6	16.3	12.3	9.8	8.2	7.0	6.1	5.4	4.9
	60	0.35	35	26	21	17.3	13.0	10.4	8.7	7.4	6.5	5.8	5.2
SJ7A-04-VP (50)	20	0.30	30	22	17.8	14.9	11.1	8.9	7.4	6.4	5.6	5.0	4.5
	30	0.35	35	26	21	17.3	13.0	10.4	8.7	7.4	6.5	5.8	5.2
	40	0.40	40	30	24	19.8	14.9	11.9	9.9	8.5	7.4	6.6	5.9
	50	0.43	43	32	26	21	16.0	12.8	10.6	9.1	8.0	7.1	6.4
	60	0.46	46	34	27	23	17.1	13.7	11.4	9.8	8.5	7.6	6.8
SJ7A-05-VP (50)	20	0.38	38	28	23	18.8	14.1	11.3	9.4	8.1	7.1	6.3	5.6
	30	0.45	45	33	27	22	16.7	13.4	11.1	9.5	8.4	7.4	6.7
	40	0.50	50	37	30	25	18.6	14.9	12.4	10.6	9.3	8.3	7.4
	50	0.54	53	40	32	27	20	16.0	13.4	11.5	10.0	8.9	8.0
	60	0.58	57	43	34	29	22	17.2	14.4	12.3	10.8	9.6	8.6
SJ7A-06-VP (50)	20	0.45	45	33	27	22	16.7	13.4	11.1	9.5	8.4	7.4	6.7
	30	0.54	53	40	32	27	20	16.0	13.4	11.5	10.0	8.9	8.0
	40	0.60	59	45	36	30	22	17.8	14.9	12.7	11.1	9.9	8.9
	50	0.65	64	48	39	32	24	19.3	16.1	13.8	12.1	10.7	9.7
	60	0.70	69	52	42	35	26	21	17.3	14.9	13.0	11.6	10.4
SJ7A-08-VP	20	0.57	56	42	34	28	21	16.9	14.1	12.1	10.6	9.4	8.5
	30	0.72	71	53	43	36	27	21	17.8	15.3	13.4	11.9	10.7
	40	0.80	79	59	48	40	30	24	19.8	17.0	14.9	13.2	11.9
	50	0.87	86	65	52	43	32	26	22	18.5	16.1	14.4	12.9
	60	0.93	92	69	55	46	35	28	23	19.7	17.3	15.3	13.8
SJ7A-10-VP	20	0.71	70	53	42	35	26	21	17.6	15.1	13.2	11.7	10.5
	30	0.90	89	67	53	45	33	27	22	19.1	16.7	14.9	13.4
	40	1.00	99	74	59	50	37	30	25	21	18.6	16.5	14.9
	50	1.09	108	81	65	54	40	32	27	23	20	18.0	16.2
	60	1.16	115	86	69	57	43	34	29	25	22	19.1	17.2
SJ7A-15-VP	20	1.03	102	76	61	51	38	31	25	22	19.1	17.0	15.3
	30	1.29	128	96	77	64	48	38	32	27	24	21	19.2
	40	1.50	149	111	89	74	56	45	37	32	28	25	22
	50	1.64	162	122	97	81	61	49	41	35	30	27	24
	60	1.76	174	131	105	87	65	52	44	37	33	29	26

Note: Always double-check your application rates. Tabulations are based on spraying water at 70°F (21°C).

SJ3 Variable Rate Fertilizer Nozzles



Part	Description
AG428964	Nozzle, SJ3-VR-X1.0
AG429686	Nozzle, SJ3-VR-X2.0
ACP0392540	Nozzle, SJ3-VR-X0.5

StreamJet SJ3 Variable Rate Fertilizer Nozzles

Typical Applications:

- Excellent for application of liquid fertilizer on bare ground or in standing crop.
- Three-stream pattern is ideal for directed application.

Features:

- Variable orifice design is like having five tips in one.
- Wide flow rate range offers improved productivity in fixed rate applications.
- Also ideal for variable rate prescription map applications
- Produces three identical fluid streams for excellent distribution quality in directed applications.
- Solid stream pattern minimizes leaf burn and virtually eliminates drift.
- Acetal body and deflector plate for good wear life and chemical resistance.
- Simple, elastomer (EPDM) variable orifice for long-term, reliable operation.
- Recommended operating pressure: 20–100 PSI (1.5–7.0 bar).
- SJ3-VR is intended for use with flow meter-based control systems only.
- Multiple capacities available for a wide range of application rates and ground speeds.
- Quick TeeJet® cap included for easy installation.





Optimum Spray Height

20″	20″
30″	30″
40″	40″

How to order:

Specify tip number.
Example: SJ3-VR-X1.0 – Polymer with color coding

	PSI	CAPACITY ONE NOZZLE IN GPM	GPA 15″ 5 MPH	6 MPH	7 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH
SJ3-VR-X0.5	20	0.13	10.3	8.6	7.4	6.4	5.1	4.3	3.7	3.2	2.9	2.6
	30	0.16	12.7	10.6	9.1	7.9	6.3	5.3	4.5	4.0	3.5	3.2
	40	0.18	14.3	11.9	10.2	8.9	7.1	5.9	5.1	4.5	4.0	3.6
	50	0.21	16.6	13.9	11.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2
	60	0.24	19.0	15.8	13.6	11.9	9.5	7.9	6.8	5.9	5.3	4.8
	70	0.28	22	18.5	15.8	13.9	11.1	9.2	7.9	6.9	6.2	5.5
	80	0.32	25	21	18.1	15.8	12.7	10.6	9.1	7.9	7.0	6.3
	90	0.37	29	24	21	18.3	14.7	12.2	10.5	9.2	8.1	7.3
	100	0.42	33	28	24	21	16.6	13.9	11.9	10.4	9.2	8.3
SJ3-VR-X1.0	20	0.21	16.6	13.9	11.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2
	30	0.28	22	18.5	15.8	13.9	11.1	9.2	7.9	6.9	6.2	5.5
	40	0.35	28	23	19.8	17.3	13.9	11.6	9.9	8.7	7.7	6.9
	50	0.43	34	28	24	21	17.0	14.2	12.2	10.6	9.5	8.5
	60	0.51	40	34	29	25	20	16.8	14.4	12.6	11.2	10.1
	70	0.61	48	40	35	30	24	20	17.3	15.1	13.4	12.1
	80	0.71	56	47	40	35	28	23	20	17.6	15.6	14.1
	90	0.82	65	54	46	41	32	27	23	20	18.0	16.2
	100	0.93	74	61	53	46	37	31	26	23	20	18.4
SJ3-VR-X2.0	20	0.55	44	36	31	27	22	18.2	15.6	13.6	12.1	10.9
	30	0.70	55	46	40	35	28	23	19.8	17.3	15.4	13.9
	40	0.84	67	55	48	42	33	28	24	21	18.5	16.6
	50	0.97	77	64	55	48	38	32	27	24	21	19.2
	60	1.11	88	73	63	55	44	37	31	27	24	22
	70	1.25	99	83	71	62	50	41	35	31	28	25
	80	1.38	109	91	78	68	55	46	39	34	30	27
	90	1.51	120	100	85	75	60	50	43	37	33	30
	100	1.64	130	108	93	81	65	54	46	41	36	32

	PSI	CAPACITY ONE NOZZLE IN GPM	GPA 20″ 5 MPH	6 MPH	7 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH
SJ3-VR-X0.5	20	0.13	7.7	6.4	5.5	4.8	3.9	3.2	2.8	2.4	2.1	1.9
	30	0.16	9.5	7.9	6.8	5.9	4.8	4.0	3.4	3.0	2.6	2.4
	40	0.18	10.7	8.9	7.6	6.7	5.3	4.5	3.8	3.3	3.0	2.7
	50	0.21	12.5	10.4	8.9	7.8	6.2	5.2	4.5	3.9	3.5	3.1
	60	0.24	14.3	11.9	10.2	8.9	7.1	5.9	5.1	4.5	4.0	3.6
	70	0.28	16.6	13.9	11.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2
	80	0.32	19.0	15.8	13.6	11.9	9.5	7.9	6.8	5.9	5.3	4.8
	90	0.37	22	18.3	15.7	13.7	11.0	9.2	7.8	6.9	6.1	5.5
	100	0.42	25	21	17.8	15.6	12.5	10.4	8.9	7.8	6.9	6.2
SJ3-VR-X1.0	20	0.21	12.5	10.4	8.9	7.8	6.2	5.2	4.5	3.9	3.5	3.1
	30	0.28	16.6	13.9	11.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2
	40	0.35	21	17.3	14.9	13.0	10.4	8.7	7.4	6.5	5.8	5.2
	50	0.43	26	21	18.2	16.0	12.8	10.6	9.1	8.0	7.1	6.4
	60	0.51	30	25	22	18.9	15.1	12.6	10.8	9.5	8.4	7.6
	70	0.61	36	30	26	23	18.1	15.1	12.9	11.3	10.1	9.1
	80	0.71	42	35	30	26	21	17.6	15.1	13.2	11.7	10.5
	90	0.82	49	41	35	30	24	20	17.4	15.2	13.5	12.2
	100	0.93	55	46	39	35	28	23	19.7	17.3	15.3	13.8
SJ3-VR-X2.0	20	0.55	33	27	23	20	16.3	13.6	11.7	10.2	9.1	8.2
	30	0.70	42	35	30	26	21	17.3	14.9	13.0	11.6	10.4
	40	0.84	50	42	36	31	25	21	17.8	15.6	13.9	12.5
	50	0.97	58	48	41	36	29	24	21	18.0	16.0	14.4
	60	1.11	66	55	47	41	33	27	24	21	18.3	16.5
	70	1.25	74	62	53	46	37	31	27	23	21	18.6
	80	1.38	82	68	59	51	41	34	29	26	23	20
	90	1.51	90	75	64	56	45	37	32	28	25	22
	100	1.64	97	81	70	61	49	41	35	30	27	24

Note: Always double-check your application rates. Tabulations are based on spraying water at 70°F (21°C).

SJ7A Variable Rate Fertilizer Nozzles



Part	Description
AG428963	Nozzle, SJ7A-VR-X1.0
AG429687	Nozzle, SJ7A-VR-X2.0
ACP0392550	Nozzle, SJ7A-VR-X0.5

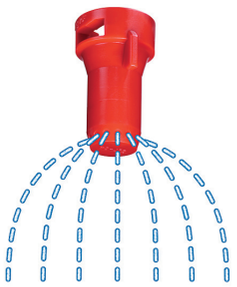
StreamJet SJ7A Variable Rate Fertilizer Nozzles

Typical Application:

- Excellent for application of liquid fertilizer on bare ground or in standing crop.
- Seven-stream pattern is ideal for broadcast application.

Features:

- Variable orifice design is like having five tips in one.
- Wide flow rate range offers improved productivity in fixed rate applications.
- Also ideal for variable rate prescription map applications.
- Produces seven identical fluid streams for excellent distribution quality in broadcast applications.
- Solid stream pattern minimizes leaf burn and virtually eliminates drift.
- Acetal body and deflector plate for good wear life and chemical resistance.
- Simple, elastomer (EPDM) variable orifice for long-term, reliable operation.
- Recommended operating pressure: 30–80 PSI (2.0–5.5 bar).
- SJ7A-VR is intended for use with flow meter-based control systems only.
- Multiple capacities available for a wide range of application rates and ground speeds.







50854-NYB
Extension Adapter

Optimum Spray Height

20″	20″
30″	30″
40″	40″

How to order:

Specify nozzle number.
Example: SJ7A-VR-X1.0 –
Polymer with color coding



	PSI	CAPACITY ONE NOZZLE IN GPM	GPA 20″ 5 MPH	6 MPH	7 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH
SJ7A-VR-X0.5	30	0.16	9.5	7.9	6.8	5.9	4.8	4.0	3.4	3.0	2.6	2.4
	40	0.19	11.3	9.4	8.1	7.1	5.6	4.7	4.0	3.5	3.1	2.8
	50	0.22	13.1	10.9	9.3	8.2	6.5	5.4	4.7	4.1	3.6	3.3
	60	0.26	15.4	12.9	11.0	9.7	7.7	6.4	5.5	4.8	4.3	3.9
	70	0.30	17.8	14.9	12.7	11.1	8.9	7.4	6.4	5.6	5.0	4.5
	80	0.35	21	17.3	14.9	13.0	10.4	8.7	7.4	6.5	5.8	5.2
SJ7A-VR-X1.0	30	0.28	16.6	13.9	11.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2
	40	0.35	21	17.3	14.9	13.0	10.4	8.7	7.4	6.5	5.8	5.2
	50	0.44	26	22	18.7	16.3	13.1	10.9	9.3	8.2	7.3	6.5
	60	0.55	33	27	23	20	16.3	13.6	11.7	10.2	9.1	8.2
	70	0.67	40	33	28	25	19.9	16.6	14.2	12.4	11.1	9.9
	80	0.80	48	40	34	30	24	19.8	17.0	14.9	13.2	11.9
SJ7A-VR-X2.0	30	0.70	42	35	30	26	21	17.3	14.9	13.0	11.6	10.4
	40	0.85	50	42	36	32	25	21	18	15.8	14.0	12.6
	50	1.00	59	50	42	37	30	25	21	18.6	16.5	14.9
	60	1.17	69	58	50	43	35	29	25	22	19.3	17.4
	70	1.35	80	67	57	50	40	33	29	25	22	20
	80	1.55	92	77	66	58	46	38	33	29	26	23

	PSI	CAPACITY ONE NOZZLE IN GPM	GPA 30″ 5 MPH	6 MPH	7 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH
SJ7A-VR-X0.5	30	0.16	6.3	5.3	4.5	4.0	3.2	2.6	2.3	2.0	1.8	1.6
	40	0.19	7.5	6.3	5.4	4.7	3.8	3.1	2.7	2.4	2.1	1.9
	50	0.22	8.7	7.3	6.2	5.4	4.4	3.6	3.1	2.7	2.4	2.2
	60	0.26	10.3	8.6	7.4	6.4	5.1	4.3	3.7	3.2	2.9	2.6
	70	0.30	11.9	9.9	8.5	7.4	5.9	5.0	4.2	3.7	3.3	3.0
	80	0.35	13.9	11.6	9.9	8.7	6.9	5.8	5.0	4.3	3.9	3.5
SJ7A-VR-X1.0	30	0.28	11.1	9.2	7.9	6.9	5.5	4.6	4.0	3.5	3.1	2.8
	40	0.35	13.9	11.6	9.9	8.7	6.9	5.8	5.0	4.3	3.9	3.5
	50	0.44	17.4	14.5	12.4	10.9	8.7	7.3	6.2	5.4	4.8	4.4
	60	0.55	22	18.2	15.6	13.6	10.9	9.1	7.8	6.8	6.1	5.4
	70	0.67	27	22	19.0	16.6	13.3	11.1	9.5	8.3	7.4	6.6
	80	0.80	32	26	23	19.8	15.8	13.2	11.3	9.9	8.8	7.9
SJ7A-VR-X2.0	30	0.70	28	23	19.8	17.3	13.9	11.6	9.9	8.7	7.7	6.9
	40	0.85	34	28	24	21	16.8	14.0	12.0	10.5	9.4	8.4
	50	1.00	40	33	28	25	19.8	16.5	14.1	12.4	11.0	9.9
	60	1.17	46	39	33	29	23	19.3	16.5	14.5	12.9	11.6
	70	1.35	53	45	38	33	27	22	19.1	16.7	14.9	13.4
	80	1.55	61	51	44	38	31	26	22	19.2	17.1	15.3

Note: Always double-check your application rates. Tabulations are based on spraying water at 70°F (21°C).

StreamJet QJ-VR and PTC-VR Variable Rate Fertilizer Assemblies





The QJ-VR and PTC-VR lines of variable rate fertilizer assemblies feature a variable diameter orifice that produces a wide range of flow rates—it's like having several metering orifices in one. This allows for a wider range of ground speeds and/or application rates from a single size for improved productivity. These assemblies are also ideal for variable rate prescription map applications. The elastomer orifice design provides consistent flow rate performance while utilizing a simple, reliable design with no springs or moving parts.

Features:

- Both QJ-VR and PTC-VR are ideal for installation on planters and toolbars for liquid fertilizer metering and application.
- PTC-VR features nylon construction for excellent strength and chemical resistance.
- QJ-VR features acetal body construction with choice of nylon or stainless steel hose barbs for strength and excellent chemical resistance.
- PTC-VR Push-to-Connect is available to fit 1/4", 5/16" or 3/8" O.D. tubing.
- QJ-VR hose barb assembly is available to fit 1/4", 3/8" or 1/2" I.D. hose.
- Simple, elastomer (EPDM) variable orifice for reliable, long-term operation.
- Recommended operating pressure: 10-100 PSI (0.7-7.0 bar)

Part	Description
AG428965	QJ-VR-X1.0 1/4" Stainless Steel
AG428966	QJ-VR-X1.0 3/8" Stainless Steel
AG429689	QJ-VR-X2.0 3/8" Stainless Steel
AG429688	QJ-VR-X2.0 1/2" Stainless Steel
AG428967	QJ-VR-X1.0 3/8" Nylon
AG429690	QJ-VR-X2.0 3/8" Nylon
AG428968	PTC-VR-X1.0 1/4" Nylon
AG428969	PTC-VR-X1.0 5/16" Nylon
AG429692	PTC-VR-X2.0 5/16" Nylon
AG428970	PTC-VR-X1.0 3/8" Nylon
AG429693	PTC-VR-X2.0 3/8" Nylon
ACP0392560	QJ-VR-X0.5-1/4" Stainless Steel
ACP0392570	QJ-VR-X0.5 3/8" Nylon
ACP0392580	QJ-VR-X0.5 3/8" Stainless Steel
ACP0392590	PTC-VR-X0.5 1/4" Nylon
ACP0392600	PTC-VR-X0.5 3/8" Nylon
ACP0392610	PTC-VR-X0.5 5/16" Nylon

GPA @ 20"

	PSI	CAPACITY ONE NOZZLE IN GPM	4 MPH	5 MPH	6 MPH	7 MPH	8 MPH	9 MPH	10 MPH	12 MPH
QJ-VR-X0.5 PTC-VR-X0.5	10	0.09	6.7	5.3	4.5	3.8	3.3	3.0	2.7	2.2
	20	0.13	9.7	7.7	6.4	5.5	4.8	4.3	3.9	3.2
	30	0.17	12.6	10.1	8.4	7.2	6.3	5.6	5.0	4.2
	40	0.21	15.6	12.5	10.4	8.9	7.8	6.9	6.2	5.2
	50	0.24	17.8	14.3	11.9	10.2	8.9	7.9	7.1	5.9
	60	0.29	22	17.2	14.4	12.3	10.8	9.6	8.6	7.2
	70	0.34	25	20	16.8	14.4	12.6	11.2	10.1	8.4
	80	0.40	30	24	19.8	17.0	14.9	13.2	11.9	9.9
	90	0.46	34	27	23	19.5	17.1	15.2	13.7	11.4
	100	0.54	40	32	27	23	20	17.8	16.0	13.4
QJ-VR-X1.0 PTC-VR-X1.0	10	0.13	9.7	7.7	6.4	5.5	4.8	4.3	3.9	3.2
	20	0.21	15.6	12.5	10.4	8.9	7.8	6.9	6.2	5.2
	30	0.28	21	16.6	13.9	11.9	10.4	9.2	8.3	6.9
	40	0.35	26	21	17.3	14.9	13.0	11.6	10.4	8.7
	50	0.44	33	26	22	18.7	16.3	14.5	13.1	10.9
	60	0.53	39	31	26	22	19.7	17.5	15.7	13.1
	70	0.64	48	38	32	27	24	21	19.0	15.8
	80	0.77	57	46	38	33	29	25	23	19.1
	90	0.90	67	53	45	38	33	30	27	22
	100	1.03	76	61	51	44	38	34	31	25
QJ-VR-X2.0 PTC-VR-X2.0	10	0.38	28	23	18.8	16.1	14.1	12.5	11.3	9.4
	20	0.57	42	34	28	24	21	18.8	16.9	14.1
	30	0.73	54	43	36	31	27	24	22	18.1
	40	0.87	65	52	43	37	32	29	26	22
	50	1.03	76	61	51	44	38	34	31	25
	60	1.20	89	71	59	51	45	40	36	30
	70	1.40	104	83	69	59	52	46	42	35
	80	1.61	120	96	80	68	60	53	48	40
	90	1.84	137	109	91	78	68	61	55	46
	100	2.07	154	123	102	88	77	68	61	51

GPA @ 30"

	PSI	CAPACITY ONE NOZZLE IN GPM	4 MPH	5 MPH	6 MPH	7 MPH	8 MPH	9 MPH	10 MPH	12 MPH
QJ-VR-X0.5 PTC-VR-X0.5	10	0.09	4.5	3.6	3.0	2.5	2.2	2.0	1.8	1.5
	20	0.13	6.4	5.1	4.3	3.7	3.2	2.9	2.6	2.1
	30	0.17	8.4	6.7	5.6	4.8	4.2	3.7	3.4	2.8
	40	0.21	10.4	8.3	6.9	5.9	5.2	4.6	4.2	3.5
	50	0.24	11.9	9.5	7.9	6.8	5.9	5.3	4.8	4.0
	60	0.29	14.4	11.5	9.6	8.2	7.2	6.4	5.7	4.8
	70	0.34	16.8	13.5	11.2	9.6	8.4	7.5	6.7	5.6
	80	0.40	19.8	15.8	13.2	11.3	9.9	8.8	7.9	6.6
	90	0.46	23	18.2	15.2	13.0	11.4	10.1	9.1	7.6
	100	0.54	27	21	17.8	15.3	13.4	11.9	10.7	8.9
QJ-VR-X1.0 PTC-VR-X1.0	10	0.13	6.4	5.1	4.3	3.7	3.2	2.9	2.6	2.1
	20	0.21	10.4	8.3	6.9	5.9	5.2	4.6	4.2	3.5
	30	0.28	13.9	11.1	9.2	7.9	6.9	6.2	5.5	4.6
	40	0.35	17.3	13.9	11.6	9.9	8.7	7.7	6.9	5.8
	50	0.44	22	17.4	14.5	12.4	10.9	9.7	8.7	7.3
	60	0.53	26	21	17.5	15.0	13.1	11.7	10.5	8.7
	70	0.64	32	25	21	18.1	15.8	14.1	12.7	10.6
	80	0.77	38	30	25	22	19.1	16.9	15.2	12.7
	90	0.90	45	36	30	25	22	19.8	17.8	14.9
	100	1.03	51	41	34	29	25	23	20	17.0
QJ-VR-X2.0 PTC-VR-X2.0	10	0.38	18.8	15.0	12.5	10.7	9.4	8.4	7.5	6.3
	20	0.57	28	23	18.8	16.1	14.1	12.5	11.3	9.4
	30	0.73	36	29	24	21	18.1	16.1	14.5	12.0
	40	0.87	43	34	29	25	22	19.1	17.2	14.4
	50	1.03	51	41	34	29	25	23	20	17.0
	60	1.2	59	48	40	34	30	26	24	19.8
	70	1.4	69	55	46	40	35	31	28	23
	80	1.61	80	64	53	46	40	35	32	27
	90	1.84	91	73	61	52	46	40	36	30
	100	2.07	102	82	68	59	51	46	41	34

Note: Always double-check your application rates. Tabulations are based on spraying water at 70°F (21°C).

ASSEMBLY NUMBER	HOSE BARB SIZE	HOSE BARB MATERIAL
QJ-VR-1/4-SS-X0.5 or X1.0	¼"	Stainless Steel
QJ-VR-5/16-SS-X0.5 or X1.0	5⁄16"	Stainless Steel
QJ-VR-3/8-NYB-X0.5, X1.0, or X2.0	⅜"	Nylon
QJ-VR-3/8-SS-X0.5, X1.0, or X2.0	⅜"	Stainless Steel
QJ-VR-1/2-NYB-X2.0	½"	Nylon
QJ-VR-1/2-SS-X2.0	½"	Stainless Steel
QJ-VR-X0.5, X1.0 or X2.0	N/A	N/A

ASSEMBLY NUMBER	TUBING OUTER DIAMETER
PTC-VR-1/4-X0.5 or X1.0	¼"
PT-VR-5/16-X0.5, X1.0 or X2.0	5⁄16"
PTC-VR-3/8-X0.5, X1.0 or X2.0	⅜"

How to order:

Specify tip number.

Example: QJ-VR-1/4-X1.0 – Polymer with color coding

Pentair® Hypro™ ESI Six-Stream Spray Tips

PENTAIR HYPRO



- Six streams distribute fertilizer more evenly than one single stream
- Provides extremely coarse droplets, improving fertilizer distribution
- Reduced atomization limits leaf burn and scorching
- Spacing and spray height are similar to 110° broadcast tips
- Wear-resistant Albuz® ceramic orifice
- FastCap model adds convenience and safer handling

Features	
Common Use	Fertilizer
Pattern	Streams
Technology	Pre-Orifice
Material	Ceramic
Spray Angle	110° Equivalent
Pressure Range	15-60 PSI
Configuration	Tip, FastCap

Application Selection Guide	
Foliar Contact	–
Foliar Systemic	–
Soil Applied	Excellent
Drift Control	Excellent

Part Numbers
FastCaps 110°
FC-ESI-110015
FC-ESI-11002
FC-ESI-110025
FC-ESI-11003
FC-ESI-11004
FC-ESI-11005
FC-ESI-11006
FC-ESI-11008
FC-ESI-11010
FC-ESI-11015

Part	Description
AG426596	Nozzle and Cap FC-ESI-11002
AG426597	Nozzle and Cap FC-ESI-110025
AG426599	Nozzle and Cap FC-ESI-11004
AG426600	Nozzle and Cap FC-ESI-11005
AG426601	Nozzle and Cap FC-ESI-11006
AG426602	Nozzle and Cap FC-ESI-11008
AG426580	Nozzle and Cap FC-ESI-11010
AG426603	Nozzle and Cap FC-ESI-11015

Tip Size	Pressure (PSI)	Flow Rate (GPM)	Gallons per acre 20" nozzle spacing MPH								GAL/1000 R^2 20" nozzle spacing			
			4	5	6	8	10	12	15	20	2	3	4	5
015	15	0.09	6.7	5.3	4.5	3.3	2.7	2.2	1.8	1.3	0.31	0.20	0.15	0.12
	20	0.11	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.38	0.25	0.19	0.15
	30	0.13	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.30	0.22	0.18
	40	**0.15**	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	50	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	60	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25
02	15	0.12	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16
	20	0.14	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
	30	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	40	**0.20**	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27
	50	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30
	60	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33
025	15	0.15	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20
	20	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25
	30	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30
	40	**0.25**	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34
	50	0.28	20.8	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.64	0.48	0.38
	60	0.31	23.0	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.06	0.70	0.53	0.42
03	15	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25
	20	0.21	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.72	0.48	0.36	0.29
	30	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35
	40	**0.30**	22.3	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.02	0.68	0.51	0.41
	50	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.7	5.0	1.16	0.77	0.58	0.46
	60	0.37	27.5	22.0	18.3	13.7	11.0	9.2	7.3	5.5	1.26	0.84	0.63	0.50
04	15	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33
	20	0.28	20.8	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.64	0.48	0.38
	30	0.35	26.0	20.8	17.3	13.0	10.4	8.7	6.9	5.2	1.19	0.80	0.60	0.48
	40	**0.40**	29.7	23.8	19.8	14.9	11.9	9.9	7.9	5.9	1.36	0.91	0.68	0.55
	50	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61
	60	0.49	36.4	29.1	24.3	18.2	14.6	12.1	9.7	7.3	1.67	1.11	0.84	0.67
05	15	0.31	23.0	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.06	0.70	0.53	0.42
	20	0.35	26.0	20.8	17.3	13.0	10.4	8.7	6.9	5.2	1.19	0.80	0.60	0.48
	30	0.43	31.9	25.5	21.3	16.0	12.8	10.6	8.5	6.4	1.47	0.98	0.73	0.59
	40	**0.50**	37.1	29.7	24.8	18.6	14.9	12.4	9.9	7.4	1.71	1.14	0.85	0.68
	50	0.56	41.6	33.3	27.7	20.8	16.6	13.9	11.1	8.3	1.91	1.27	0.95	0.76
	60	0.61	45.3	36.2	30.2	22.6	18.1	15.1	12.1	9.1	2.08	1.39	1.04	0.83
06	15	0.37	27.5	22.0	18.3	13.7	11.0	9.2	7.3	5.5	1.26	0.84	0.63	0.50
	20	0.42	31.2	24.9	20.8	15.6	12.5	10.4	8.3	6.2	1.43	0.95	0.72	0.57
	30	0.52	38.6	30.9	25.7	19.3	15.4	12.9	10.3	7.7	1.77	1.18	0.89	0.71
	40	**0.60**	44.6	35.6	29.7	22.3	17.8	14.9	11.9	8.9	2.05	1.36	1.02	0.82
	50	0.67	49.7	39.8	33.2	24.9	19.9	16.6	13.3	9.9	2.28	1.52	1.14	0.91
	60	0.73	54.2	43.4	36.1	27.1	21.7	18.1	14.5	10.8	2.49	1.66	1.24	1.00
08	15	0.49	36.4	29.1	24.3	18.2	14.6	12.1	9.7	7.3	1.67	1.11	0.84	0.67
	20	0.57	42.3	33.9	28.2	21.2	16.9	14.1	11.3	8.5	1.94	1.30	0.97	0.78
	30	0.69	51.2	41.0	34.2	25.6	20.5	17.1	13.7	10.2	2.35	1.57	1.18	0.94
	40	**0.80**	59.4	47.5	39.6	29.7	23.8	19.8	15.8	11.9	2.73	1.82	1.36	1.09
	50	0.89	66.1	52.9	44.1	33.0	26.4	22.0	17.6	13.2	3.03	2.02	1.52	1.21
	60	0.98	72.8	58.2	48.5	36.4	29.1	24.3	19.4	14.6	3.34	2.23	1.67	1.34
10	15	0.61	45.3	36.2	30.2	22.6	18.1	15.1	12.1	9.1	2.08	1.39	1.04	0.83
	20	0.71	52.7	42.2	35.1	26.4	21.1	17.6	14.1	10.5	2.42	1.61	1.21	0.97
	30	0.87	64.6	51.7	43.1	32.3	25.8	21.5	17.2	12.9	2.97	1.98	1.48	1.19
	40	**1.00**	74.3	59.4	49.5	37.1	29.7	24.8	19.8	14.9	3.41	2.27	1.71	1.36
	50	1.12	83.2	66.5	55.4	41.6	33.3	27.7	22.2	16.6	3.82	2.55	1.91	1.53
	60	1.22	90.6	72.5	60.4	45.3	36.2	30.2	24.2	18.1	4.16	2.77	2.08	1.66
15	15	0.92	68.3	54.6	45.5	34.2	27.3	22.8	18.2	13.7	3.14	2.09	1.57	1.25
	20	1.06	78.7	63.0	52.5	39.4	31.5	26.2	21.0	15.7	3.61	2.41	1.81	1.45
	30	1.30	96.5	77.2	64.4	48.3	38.6	32.2	25.7	19.3	4.43	2.96	2.22	1.77
	40	**1.50**	111	89.1	74.3	55.7	44.6	37.1	29.7	22.3	5.12	3.41	2.56	2.05
	50	1.68	125	99.8	83.2	62.4	49.9	41.6	33.3	24.9	5.73	3.82	2.86	2.29
	60	1.84	137	109	91.1	68.3	54.6	45.5	36.4	27.3	6.27	4.18	3.14	2.51

PWM

Pentair® Hypro™ Hi-Flow Spray Tips

PENTAIR HYPRO



Features:

- Excellent for high-volume coverage or high-speed applications
- 140° pattern ensures unmatched uniformity across the spray boom
- Wide spray angle (140°) enables boom to be lowered to reduce drift
- Consistent pattern throughout the entire pressure range (20-80 PSI)
- Patented straight-through design reduces clogging
- Easily fits directly on standard nozzle bodies
- FastCap design adds convenience and protects handlers from residues
- Available in sizes 08, 10, and 15 to achieve the volumes needed to maintain quality turfgrass

Part	Description
AG427224	Hi-Flow 140-08
AG427225	Hi-Flow 140-10
AG427226	Hi-Flow 140-15
AG428234	Hi-Flow 140-20
AG428235	Hi-Flow 140-30
AG428236	Hi-Flow 140-40
AG428237	Hi-Flow 140-50
AG428238	Hi-Flow 140-60

Tip Size	Droplet Size 140°	Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20" nozzle spacing MPH								GAL/1000FT² 20" nozzle spacing			
				4	5	6	8	10	12	15	20	2	3	4	5
08	XC	20	0.57	42.3	33.9	28.2	21.2	16.9	14.1	11.3	8.5	1.94	1.30	0.97	0.78
	XC	30	0.69	51.2	41.0	34.2	25.6	20.5	17.1	13.7	10.2	2.35	1.57	1.18	0.94
	XC	40	0.80	59.4	47.5	39.6	29.7	23.8	19.8	15.8	11.9	2.73	1.82	1.36	1.09
	XC	50	0.89	66.1	52.9	44.1	33.0	26.4	22.0	17.6	13.2	3.03	2.02	1.52	1.21
	XC	60	0.98	72.8	58.2	48.5	36.4	29.1	24.3	19.4	14.6	3.34	2.23	1.67	1.34
	XC	70	1.06	78.7	63.0	52.5	39.4	31.5	26.2	21.0	15.7	3.61	2.41	1.81	1.45
	XC	80	1.13	83.9	67.1	55.9	42.0	33.6	28.0	22.4	16.8	3.85	2.57	1.93	1.54
10	XC	20	0.71	52.7	42.2	35.1	26.4	21.1	17.6	14.1	10.5	2.42	1.61	1.21	0.97
	XC	30	0.87	64.6	51.7	43.1	32.3	25.8	21.5	17.2	12.9	2.97	1.98	1.48	1.19
	XC	40	1.00	74.3	59.4	49.5	37.1	29.7	24.8	19.8	14.9	3.41	2.27	1.71	1.36
	XC	50	1.12	83.2	66.5	55.4	41.6	33.3	27.7	22.2	16.6	3.82	2.55	1.91	1.53
	XC	60	1.22	90.6	72.5	60.4	45.3	36.2	30.2	24.2	18.1	4.16	2.77	2.08	1.66
	XC	70	1.32	98.0	78.4	65.3	49.0	39.2	32.7	26.1	19.6	4.50	3.00	2.25	1.80
	XC	80	1.41	105	83.8	69.8	52.3	41.9	34.9	27.9	20.9	4.81	3.21	2.40	1.92
15	XC	20	1.06	78.7	63.0	52.5	39.4	31.5	26.2	21.0	15.7	3.61	2.41	1.81	1.45
	XC	30	1.30	96.5	77.2	64.4	48.3	38.6	32.2	25.7	19.3	4.43	2.96	2.22	1.77
	XC	40	1.50	111	89.1	74.3	55.7	44.6	37.1	29.7	22.3	5.12	3.41	2.56	2.05
	XC	50	1.68	125	99.8	83.2	62.4	49.9	41.6	33.3	24.9	5.73	3.82	2.86	2.29
	XC	60	1.84	137	109	91.1	68.3	54.6	45.5	36.4	27.3	6.27	4.18	3.14	2.51
	XC	70	1.98	147	118	98.0	73.5	58.8	49.0	39.2	29.4	6.75	4.50	3.38	2.70
	XC	80	2.12	157	126	105	78.7	63.0	52.5	42.0	31.5	7.23	4.82	3.61	2.89
20	XC	20	1.41	105	83.8	69.8	52.3	41.9	34.9	27.9	20.9	4.81	3.21	2.40	1.92
	XC	30	1.73	128	103	85.6	64.2	51.4	42.8	34.3	25.7	5.90	3.93	2.95	2.36
	XC	40	2.00	149	119	99.0	74.3	59.4	49.5	39.6	29.7	6.82	4.55	3.41	2.73
	XC	50	2.24	166	133	111	83.2	66.5	55.4	44.4	33.3	7.64	5.09	3.82	3.06
	XC	60	2.45	182	146	121	91.0	72.8	60.6	48.5	36.4	8.35	5.57	4.18	3.34
	XC	70	2.65	197	157	131	98.4	78.7	65.6	52.5	39.4	9.04	6.02	4.52	3.61
	XC	80	2.83	210	168	140	105	84.1	70.0	56.0	42.0	9.65	6.43	4.83	3.86
30	XC	20	2.12	157	126	105	78.7	63.0	52.5	42.0	31.5	7.23	4.82	3.61	2.89
	XC	30	2.60	193	154	129	96.5	77.2	64.4	51.5	38.6	8.87	5.91	4.43	3.55
	XC	40	3.00	223	178	149	111	89.1	74.3	59.4	44.6	10.2	6.82	5.12	4.09
	XC	50	3.35	249	199	166	124	99.5	82.9	66.3	49.7	11.4	7.62	5.71	4.57
	XC	60	3.67	272	218	182	136	109	90.8	72.7	54.5	12.5	8.34	6.26	5.01
	XC	70	3.97	295	236	197	147	118	98.3	78.6	59.0	13.5	9.03	6.77	5.42
	XC	80	4.24	315	252	210	157	126	105	84.0	63.0	14.5	9.64	7.23	5.78
40	XC	20	2.83	210	168	140	105	84.1	70.0	56.0	42.0	9.65	6.43	4.83	3.86
	XC	30	3.46	257	206	171	128	103	85.6	68.5	51.4	11.8	7.87	5.90	4.72
	XC	40	4.00	297	238	198	149	119	99.0	79.2	59.4	13.6	9.09	6.82	5.46
	XC	50	4.47	332	266	221	166	133	111	88.5	66.4	15.2	10.2	7.62	6.10
	XC	60	4.90	364	291	243	182	146	121	97.0	72.8	16.7	11.1	8.35	6.68
	XC	70	5.29	393	314	262	196	157	131	105	78.6	18.0	12.0	9.02	7.22
	XC	80	5.66	420	336	280	210	168	140	112	84.1	19.3	12.9	9.65	7.72
50	XC	20	3.54	263	210	175	131	105	87.6	70.1	52.6	12.1	8.05	6.04	4.83
	XC	30	4.33	322	257	214	161	129	107	85.7	64.3	14.8	9.84	7.38	5.91
	XC	40	5.00	371	297	248	186	149	124	99.0	74.3	17.1	11.4	8.53	6.82
	XC	50	5.59	415	332	277	208	166	138	111	83.0	19.1	12.7	9.53	7.62
	XC	60	6.12	454	364	303	227	182	151	121	90.9	20.9	13.9	10.4	8.35
	XC	70	6.61	491	393	327	245	196	164	131	98.2	22.5	15.0	11.3	9.02
	XC	80	7.07	525	420	350	262	210	175	140	105	24.1	16.1	12.1	9.64
60	XC	20	4.24	315	252	210	157	126	105	84.0	63.0	14.5	9.64	7.23	5.78
	XC	30	5.20	386	309	257	193	154	129	103	77.2	17.7	11.8	8.87	7.09
	XC	40	6.00	446	356	297	223	178	149	119	89.1	20.5	13.6	10.2	8.18
	XC	50	6.71	498	399	332	249	199	166	133	99.6	22.9	15.3	11.4	9.15
	XC	60	7.35	546	437	364	273	218	182	146	109	25.1	16.7	12.5	10.0
	XC	70	7.94	590	472	393	295	236	197	157	118	27.1	18.1	13.5	10.8
	XC	80	8.49	630	504	420	315	252	210	168	126	29.0	19.3	14.5	11.6

Features	
Common Use	Fertilizer
Pattern	Tapered Flat Fan
Technology	Pre-Orifice
Material	Polyacetal
Spray Angle	140°
Pressure Range	20-80 PSI
Configuration	FastCap

Application Selection Guide	
Foliar Contact	–
Foliar Systemic	Excellent at High Volume
Soil Applied	Excellent
Drift Control	Excellent

Part Numbers
FastCaps 140°
HF140-08
HF140-10
HF140-15
HF140-20
HF140-30
HF140-40
HF140-50
HF140-60



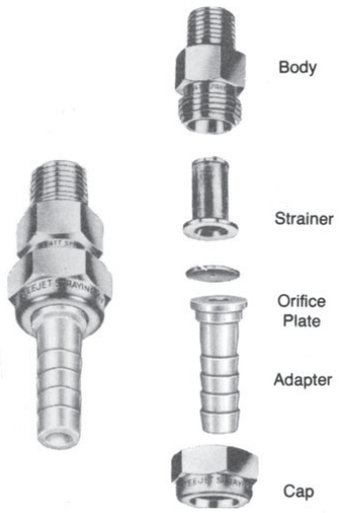
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Spraying Systems Co. Flow Regulators

Flow regulators are usually mounted behind cultivator shanks for the subsurface application of liquid fertilizers and soil fumigants . . . and are also used for above-ground streaming applications.



Stainless Steel



Ag-Chem No.	Orifice Plate No.	Pressure in PSI	Capacity in GPM	Gallons per Acre* Based on Water with Flow Regulators Spaced at 20" 3 MPH	4 MPH	5 MPH	6 MPH	8 MPH
006285	4916-8	5	.003	.29	.21	.17	.14	.11
		10	.004	.40	.30	.24	.20	.15
		20	.006	.57	.43	.34	.29	.21
		30	.007	.70	.53	.42	.35	.26
006004	4916-10	5	.005	.46	.34	.27	.23	.17
		10	.007	.65	.48	.39	.32	.24
		20	.009	.91	.69	.55	.46	.34
		30	.011	1.12	.84	.67	.56	.42
006286	4916-12	5	.007	.66	.49	.39	.33	.25
		10	.009	.93	.70	.56	.46	.35
		20	.013	1.3	.99	.79	.66	.49
		30	.016	1.6	1.2	.97	.81	.60
006095	4916-14	5	.009	.89	.66	.53	.44	.33
		10	.013	1.3	.94	.75	.63	.47
		20	.018	1.8	1.3	1.1	.89	.66
		30	.022	2.2	1.6	1.3	1.1	.81
005756	4916-15	5	.010	1.0	.75	.60	.50	.38
		10	.014	1.4	1.1	.85	.71	.53
		20	.020	2.0	1.5	1.2	1.0	.75
		30	.025	2.5	1.8	1.5	1.2	.92
006287	4916-16	5	.012	1.1	.86	.69	.57	.43
		10	.016	1.6	1.2	.97	.81	.61
		20	.023	2.3	1.7	1.4	1.1	.86
		30	.028	2.8	2.1	1.7	1.4	1.1
006288	4916-18	5	.015	1.5	1.1	.87	.73	.55
		10	.021	2.1	1.6	1.2	1.0	.77
		20	.029	2.9	2.2	1.8	1.5	1.1
		30	.036	3.6	2.7	2.1	1.8	1.3
005970	4916-20	5	.018	1.8	1.4	1.1	.91	.69
		10	.026	2.6	1.9	1.6	1.3	.97
		20	.037	3.7	2.7	2.2	1.8	1.4
		30	.045	4.5	3.4	2.7	2.2	1.7
005551	4916-22	5	.022	2.1	1.6	1.3	1.1	.80
		10	.031	3.0	2.3	1.8	1.5	1.1
		20	.043	4.3	3.2	2.6	2.1	1.6
		30	.053	5.3	3.9	3.2	2.6	2.0
006289	4916-24	5	.026	2.6	2.0	1.6	1.3	.98
		10	.037	3.7	2.8	2.2	1.8	1.4
		20	.053	5.2	3.9	3.1	2.6	2.0
		30	.064	6.4	4.8	3.8	3.2	2.4
005971	4916-25	5	.028	2.8	2.1	1.7	1.4	1.0
		10	.040	3.9	2.9	2.4	2.0	1.5
		20	.056	5.5	4.2	3.3	2.8	2.1
		30	.069	6.8	5.1	4.1	3.4	2.6
001675	4916-26	5	.030	3.0	2.3	1.8	1.5	1.1
		10	.043	4.2	3.2	2.6	2.1	1.6
		20	.061	6.0	4.5	3.6	3.0	2.3
		30	.074	7.4	5.5	4.4	3.7	2.8
006282	4916-27	5	.032	3.2	2.4	1.9	1.6	1.2
		10	.045	4.5	3.4	2.7	2.2	1.7
		20	.064	6.3	4.8	3.8	3.2	2.4
		30	.078	7.8	5.8	4.7	3.9	2.9
006003	4916-28	5	.035	3.4	2.6	2.1	1.7	1.3
		10	.049	4.9	3.6	2.9	2.4	1.8
		20	.069	6.9	5.1	4.1	3.4	2.6
		30	.085	8.4	6.3	5.0	4.2	3.2
001676	4916-29	5	.038	3.8	2.8	2.3	1.9	1.4
		10	.054	5.3	4.0	3.2	2.7	2.0
		20	.076	7.5	5.7	4.5	3.8	2.8
		30	.093	9.2	6.9	5.5	4.6	3.5
005968	4916-30	5	.040	4.0	3.0	2.4	2.0	1.5
		10	.057	5.7	4.2	3.4	2.8	2.1
		20	.081	8.0	6.0	4.8	4.0	3.0
		30	.099	9.8	7.4	5.9	4.9	3.7
006283	4916-31	5	.043	4.3	3.2	2.6	2.1	1.6
		10	.061	6.1	4.6	3.6	3.0	2.3
		20	.087	8.6	6.4	5.1	4.3	3.2
		30	.106	10.5	7.9	6.3	5.3	3.9
001677	4916-32	5	.048	4.7	3.5	2.8	2.4	1.8
		10	.067	6.7	5.0	4.0	3.3	2.5
		20	.095	9.4	7.1	5.7	4.7	3.5
		30	.117	11.6	8.7	6.9	5.8	4.3
006284	4916-34	5	.052	5.1	3.9	3.1	2.6	1.9
		10	.073	7.3	5.5	4.4	3.6	2.7
		20	.104	10.3	7.7	6.2	5.1	3.9
		30	.127	12.6	9.5	7.6	6.3	4.7
002501	4916-35	5	.055	5.5	4.1	3.3	2.7	2.1
		10	.078	7.8	5.8	4.7	3.9	2.9
		20	.111	11.0	8.2	6.6	5.5	4.1
		30	.136	13.4	10.1	8.1	6.7	5.0
006150	4916-37	5	.061	6.0	4.5	3.6	3.0	2.3
		10	.086	8.5	6.4	5.1	4.2	3.2
		20	.121	12.0	9.0	7.2	6.0	4.5
		30	.148	14.7	11.0	8.8	7.4	5.5
001678	4916-39	5	.067	6.7	5.0	4.0	3.3	2.5
		10	.095	9.4	7.1	5.7	4.7	3.5
		20	.135	13.3	10.0	8.0	6.7	5.0
		30	.165	16.3	12.2	9.8	8.2	6.1
005782	4916-40	5	.072	7.1	5.4	4.3	3.6	2.7
		10	.102	10.1	7.6	6.1	5.1	3.8
		20	.144	14.3	10.7	8.6	7.1	5.4
		30	.177	17.5	13.1	10.5	8.8	6.6
006280	4916-41	5	.074	7.4	5.5	4.4	3.7	2.8
		10	.105	10.4	7.8	6.3	5.2	3.9
		20	.149	14.8	11.1	8.9	7.4	5.5
		30	.182	18.1	13.6	10.8	9.0	6.8
001679	4916-43	5	.081	8.1	6.0	4.8	4.0	3.0
		10	.115	11.4	8.6	6.8	5.7	4.3
		20	.163	16.1	12.1	9.7	8.1	6.0
		30	.199	19.7	14.8	11.8	9.9	7.4
002599	4916-45	5	.088	8.8	6.6	5.3	4.4	3.3
		10	.125	12.4	9.3	7.4	6.2	4.6
		20	.177	17.5	13.1	10.5	8.8	6.6
		30	.216	21	16.1	12.9	10.7	8.0
005552	4916-46	5	.095	9.4	7.1	5.7	4.7	3.5
		10	.135	13.3	10.0	8.0	6.7	5.0
		20	.191	18.9	14.2	11.3	9.4	7.1
		30	.233	23	17.3	13.9	11.6	8.7
005886	4916-47	5	.097	9.6	7.2	5.8	4.8	3.6
		10	.137	13.6	10.2	8.2	6.8	5.1
		20	.194	19.2	14.4	11.5	9.6	7.2
		30	.238	24	17.6	14.1	11.8	8.8
006005	4916-48	5	.101	10.0	7.5	6.0	5.0	3.8
		10	.143	14.2	10.6	8.5	7.1	5.3
		20	.202	20	15.0	12.0	10.0	7.5
		30	.247	25	18.4	14.7	12.3	9.2
001680	4916-49	5	.104	10.3	7.7	6.2	5.2	3.9
		10	.147	14.6	10.9	8.8	7.3	5.5
		20	.208	21	15.5	12.4	10.3	7.7
		30	.255	25	19.0	15.2	12.6	9.5
006281	4916-51	5	.116	11.5	8.6	6.9	5.8	4.3
		10	.165	16.3	12.2	9.8	8.1	6.1
		20	.233	23	17.3	13.8	11.5	8.6
		30	.285	28	21	16.9	14.1	10.6
001681	4916-52	5	.118	11.7	8.8	7.0	5.9	4.4
		10	.167	16.6	12.4	9.9	8.3	6.2
		20	.237	23	17.6	14.1	11.7	8.8
		30	.290	29	22	17.2	14.4	10.8
006153	4916-54	5	.127	12.6	9.5	7.6	6.3	4.7
		10	.180	17.8	13.4	10.7	8.9	6.7
		20	.255	25	18.9	15.1	12.6	9.5
		30	.312	31	23	18.5	15.4	11.6

NOTE: Always insert orifice plate with side marked with number facing the outlet.
For AGCO part number, take old Ag-Chem No. and put 'AG' in front of it.

Spraying Systems Co. Flow Regulators

Ag-Chem No.	Orifice Plate No.	Pressure in PSI	Capacity in GPM	Gallons per Acre* based on water with flow regulators spaced at 20"				
				3 MPH	4 MPH	5 MPH	6 MPH	8 MPH
001682	4916-55	5	.133	13.2	9.9	7.9	6.6	4.9
		10	.188	18.6	14.0	11.2	9.3	7.0
		20	.266	26	19.8	15.8	13.2	9.9
		30	.326	32	24	19.4	16.1	12.1
006292	4916-57	5	.141	14.0	10.5	8.4	7.0	5.3
		10	.200	19.8	14.9	11.9	9.9	7.4
		20	.283	28	21	16.8	14.0	10.5
		30	.346	34	26	21	17.2	12.9
001683	4916-59	5	.153	15.2	11.4	9.1	7.6	5.7
		10	.216	21	16.1	12.9	10.7	8.0
		20	.306	30	23	18.2	15.2	11.4
		30	.375	37	28	22	18.6	13.9
006194	4916-61	5	.165	16.3	12.2	9.8	8.1	6.1
		10	.233	23	17.3	13.8	11.5	8.6
		20	.329	33	24	19.6	16.3	12.2
		30	.403	40	30	24	20	15.0
002591	4916-63	5	.173	17.2	12.9	10.3	8.6	6.4
		10	.245	24	18.2	14.6	12.1	9.1
		20	.346	34	26	21	17.2	12.9
		30	.424	42	32	25	21	15.8
005758	4916-65	5	.184	18.3	13.7	11.0	9.1	6.9
		10	.261	26	19.4	15.5	12.9	9.7
		20	.369	37	27	22	18.3	13.7
		30	.452	45	34	27	22	16.8
005990	4916-67	5	.196	19.4	14.6	11.7	9.7	7.3
		10	.278	27	21	16.5	13.7	10.3
		20	.393	39	29	23	19.4	14.6
		30	.481	48	36	29	24	17.9
006235	4916-68	5	.202	20	15.0	12.0	10.0	7.5
		10	.286	28	21	17.0	14.2	10.6
		20	.405	40	30	24	20	15.0
		30	.496	49	37	29	25	18.4
001684	4916-70	5	.216	21	16.1	12.8	10.7	8.0
		10	.306	30	23	18.2	15.1	11.4
		20	.432	43	32	26	21	16.1
		30	.530	52	39	31	26	19.7
001685	4916-72	5	.226	22	16.8	13.4	11.2	8.4
		10	.320	32	24	19.0	15.8	11.9
		20	.453	45	34	27	22	16.8
		30	.554	55	41	33	27	21
001686	4916-73	5	.233	23	17.3	13.9	11.6	8.7
		10	.330	33	24	19.6	16.3	12.3
		20	.466	46	35	28	23	17.3
		30	.571	57	42	34	28	21
006218	4916-75	5	.245	24	18.2	14.6	12.2	9.1
		10	.347	34	26	21	17.2	12.9
		20	.491	49	36	29	24	18.2
		30	.601	60	45	36	30	22
001687	4916-78	5	.272	27	20	16.2	13.5	10.1
		10	.385	38	29	23	19.1	14.3
		20	.544	54	40	32	27	20
		30	.667	66	50	40	33	25
006151	4916-80	5	.280	28	21	16.7	13.9	10.4
		10	.396	39	29	24	19.6	14.7
		20	.561	56	42	33	28	21
		30	.687	68	51	41	34	25
005890	4916-81	5	.292	29	22	17.3	14.4	10.8
		10	.412	41	31	24	20	15.3
		20	.583	58	43	35	29	22
		30	.714	71	53	42	35	27
006249	4916-83	5	.318	31	24	18.9	15.7	11.8
		10	.449	44	33	27	22	16.7
		20	.635	63	47	38	31	24
		30	.778	77	58	46	39	29
006024	4916-86	5	.332	33	25	19.7	16.4	12.3
		10	.469	46	35	28	23	17.4
		20	.664	66	49	39	33	25
		30	.813	81	60	48	40	30
001688	4916-89	5	.346	34	26	21	17.2	12.9
		10	.490	49	36	29	24	18.2
		20	.693	69	51	41	34	26
		30	.849	84	63	50	42	32
005889	4916-91	5	.370	37	27	22	18.3	13.7
		10	.523	52	39	31	26	19.4
		20	.739	73	55	44	37	27
		30	.905	90	67	54	45	34
006212	4916-93	5	.387	38	29	23	19.2	14.4
		10	.547	54	41	32	27	20
		20	.774	77	57	46	38	29
		30	.948	94	70	56	47	35
006260	4916-95	5	.404	40	30	24	20	15.0
		10	.572	57	42	34	28	21
		20	.808	80	60	48	40	30
		30	.990	98	74	59	49	37
001689	4916-98	5	.442	44	33	26	22	16.4
		10	.625	62	46	37	31	23
		20	.883	87	66	52	44	33
		30	1.08	107	80	64	54	40
006037	4916-103	5	.462	46	34	27	23	17.2
		10	.653	65	49	39	32	24
		20	.924	91	69	55	46	34
		30	1.13	112	84	67	56	42
001690	4916-107	5	.520	51	39	31	26	19.3
		10	.735	73	55	44	36	27
		20	1.04	103	77	62	51	39
		30	1.27	126	95	76	63	47
006172	4916-110	5	.548	54	41	33	27	20
		10	.776	77	58	46	38	29
		20	1.10	109	81	65	54	41
		30	1.34	133	100	80	67	50
006234	4916-115	5	.606	60	45	36	30	23
		10	.857	85	64	51	42	32
		20	1.21	120	90	72	60	45
		30	1.49	147	110	88	74	55
002569	4916-120	5	.632	63	47	38	31	23
		10	.894	89	66	53	44	33
		20	1.26	125	94	75	63	47
		30	1.55	153	115	92	77	57
006265	4916-125	5	.693	69	51	41	34	26
		10	.980	97	73	58	49	36
		20	1.39	137	103	82	69	51
		30	1.70	168	126	101	84	63
006266	4916-128	5	.722	71	54	43	36	27
		10	1.02	101	76	61	51	38
		20	1.44	143	107	86	71	54
		30	1.77	175	131	105	88	66
006033	4916-132	5	.774	77	57	46	38	29
		10	1.09	108	81	65	54	41
		20	1.55	153	115	92	77	57
		30	1.90	188	141	113	94	70
006291	4916-136	5	.840	83	62	50	42	31
		10	1.19	118	88	71	59	44
		20	1.68	166	125	100	83	62
		30	2.06	204	153	122	102	76
001691	4916-140	5	.895	89	66	53	44	33
		10	1.27	125	94	75	63	47
		20	1.79	177	133	106	89	66
		30	2.19	217	163	130	109	81
006293	4916-144	5	.927	92	69	55	46	34
		10	1.31	130	97	78	65	49
		20	1.85	183	138	110	92	69
		30	2.27	225	169	135	112	84
006294	4916-147	5	.953	94	71	57	47	35
		10	1.35	133	100	80	67	50
		20	1.91	189	141	113	94	71
		30	2.33	231	173	139	116	87
006146	4916-151	5	1.04	103	77	62	51	39
		10	1.47	146	109	87	73	55
		20	2.08	206	154	123	103	77
		30	2.55	252	189	151	126	95
006295	4916-156	5	1.10	109	81	65	54	41
		10	1.55	154	115	92	77	58
		20	2.19	217	163	130	109	81
		30	2.69	266	200	160	133	100
006296	4916-161	5	1.16	114	86	69	57	43
		10	1.63	162	121	97	81	61
		20	2.31	229	171	137	114	86
		30	2.83	280	210	168	140	105
006297	4916-166	5	1.21	120	90	72	60	45
		10	1.72	170	127	102	85	64
		20	2.43	240	180	144	120	90
		30	2.97	294	221	176	147	110
006224	4916-170	5	1.30	129	97	77	64	48
		10	1.84	182	137	109	91	68
		20	2.60	258	193	155	129	97
		30	3.19	316	237	189	158	118
006298	4916-172	5	1.36	134	101	81	67	50
		10	1.92	190	142	114	95	71
		20	2.71	269	201	161	134	101
		30	3.32	329	247	197	165	123
005542	4916-177	5	1.42	140	105	84	70	53
		10	2.00	198	149	119	99	74
		20	2.83	280	210	168	140	105
		30	3.47	343	257	206	172	129
006299	4916-182	5	1.47	146	109	87	73	55
		10	2.08	206	155	124	103	77
		20	2.94	292	219	175	146	109
		30	3.61	357	268	214	179	134
006300	4916-187	5	1.56	154	116	93	77	58
		10	2.21	218	164	131	109	82
		20	3.12	309	231	185	154	116
		30	3.82	378	284	227	189	142
006301	4916-196	5	1.73	171	129	103	86	64
		10	2.45	243	182	146	121	91
		20	3.46	343	257	206	171	129
		30	4.24	420	315	252	210	158
514522	4916-205	5	1.88	186	139	111	93	70
		10	2.65	263	197	158	131	99
		20	3.75	372	279	223	186	139
		30	4.60	455	341	273	228	171
006302	4916-218	5	2.11	209	156	125	104	78
		10	2.98	295	221	177	148	111
		20	4.22	417	313	250	209	156
		30	5.16	511	383	307	256	192
006290	4916-234	5	2.45	243	182	146	121	91
		10	3.47	344	258	206	172	129
		20	4.91	486	364	292	243	182
		30	6.01	595	446	357	298	223
514521	4916-250	5	2.83	280	210	168	140	105
		10	4.00	396	297	238	198	149
		20	5.66	560	420	336	280	210
		30	6.93	686	515	412	343	257

Flow Regulators, Stainless Steel



Flow regulators are usually mounted behind cultivator shanks for the subsurface application of liquid fertilizers and soil fumigants, and are also used for above-ground streaming applications. Stainless steel.

Note: *Always insert orifice plate with side marked with number facing the outlet.*

Part	Description
AG006285	4916-8 Orifice
AG006004	4916-10 Orifice
AG006286	4916-12 Orifice
AG005756	4916-15 Orifice
AG006287	4916-16 Orifice
AG006288	4916-18 Orifice
AG005970	4916-20 Orifice
AG005551	4916-22 Orifice
AG006289	4916-24 Orifice
700745850	4916-25 Orifice
AG001675	4916-26 Orifice
AG006282	4916-27 Orifice
AG006003	4916-28 Orifice
AG001676	4916-29 Orifice
AG005968	4916-30 Orifice
AG006283	4916-31 Orifice
AG001677	4916-32 Orifice
AG006284	4916-34 Orifice
AG002501	4916-35 Orifice
AG006150	4916-37 Orifice
AG001678	4916-39 Orifice
AG005782	4916-40 Orifice
AG006280	4916-41 Orifice
855476	4916-43 Orifice
AG002599	4916-45 Orifice
AG005552	4916-46 Orifice
AG005886	4916-47 Orifice
AG006005	4916-48 Orifice
AG001680	4916-49 Orifice
AG006281	4916-51 Orifice
AG001681	4916-52 Orifice
AG006153	4916-54 Orifice
AG001682	4916-55 Orifice
AG001683	4916-59 Orifice
AG006194	4916-61 Orifice
AG002591	4916-63 Orifice
AG005758	4916-65 Orifice
AG005990	4916-67 Orifice
AG006235	4916-68 Orifice
AG001684	4916-70 Orifice
AG001685	4916-72 Orifice
AG001686	4916-73 Orifice
855478	4916-75 Orifice
AG001687	4916-78 Orifice
AG006151	4916-80 Orifice
AG005890	4916-81 Orifice
AG006249	4916-83 Orifice
AG006024	4916-86 Orifice
AG001688	4916-89 Orifice
AG005889	4916-91 Orifice
AG006212	4916-93 Orifice
AG006260	4916-95 Orifice
855479	4916-98 Orifice
AG006037	4916-103 Orifice
AG001690	4916-107 Orifice
AG006172	4916-110 Orifice
AG006234	4916-115 Orifice
AG002569	4916-120 Orifice
AG006265	4916-125 Orifice
855480	4916-128 Orifice
AG006033	4916-132 Orifice
AG006291	4916-136 Orifice
AG001691	4916-140 Orifice
AG006293	4916-144 Orifice
AG006294	4916-147 Orifice
AG006295	4916-156 Orifice
AG006146	4916-151 Orifice
AG006296	4916-161 Orifice
AG006224	4916-170 Orifice
AG006298	4916-172 Orifice
AG005542	4916-177 Orifice
AG006299	4916-182 Orifice
AG006301	4916-196 Orifice
AG514521	4916-250 Orifice
AG008922	Split Gasket, EPDM

Turbo FloodJet® Spray Tips



Wide-Angle Flat-Spray Tips Typical Applications:

- Excellent with soil-incorporated herbicides; use at lower pressures (10-25 PSI) to produce larger droplets for reduced drift. Mount on 30"-40" spacings.
- Excellent with pre-emergence herbicides; use at 10-25 PSI to reduce drift and provide uniform coverage. Also good for broadcast application of liquid fertilizers.
- Excellent with post-emergence systemic herbicides; use at 20-30 PSI to control drift. Provides uniform coverage along spray boom. 30" spacing is suggested for post-emergence applications.



TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE		CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 40" SPRAY TIP SPACING — GALLONS PER ACRE (GPA)								APPLICATION RATE FOR 20" SPRAY TIP SPACING — TURF APPLICATION GALLONS PER 1000 SQ. FT.			
		VS	VP			4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
TF-T2 (50)	10	UC	UC	0.20	26	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.68	0.45	0.34	0.27
	20	XC	XC	0.28	36	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.95	0.63	0.48	0.38
	30	VC	VC	0.35	45	13.0	10.4	8.7	6.5	5.2	4.3	3.5	2.6	1.2	0.79	0.60	0.48
	40	VC	C	0.40	51	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	1.4	0.91	0.68	0.54
TF-T2.5 (50)	10	UC	UC	0.25	32	9.3	7.4	6.2	4.6	3.7	3.1	2.5	1.9	0.85	0.57	0.43	0.34
	20	XC	XC	0.35	45	13.0	10.4	8.7	6.5	5.2	4.3	3.5	2.6	1.2	0.79	0.60	0.48
	30	VC	VC	0.43	55	16.0	12.8	10.6	8.0	6.4	5.3	4.3	3.2	1.5	0.97	0.73	0.58
	40	VC	C	0.50	64	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	1.7	1.1	0.85	0.68
TF-T3 (50)	10	UC	UC	0.30	38	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	1.0	0.68	0.51	0.41
	20	XC	XC	0.42	54	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	1.4	0.95	0.71	0.57
	30	XC	VC	0.52	67	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	1.8	1.2	0.88	0.71
	40	VC	VC	0.60	77	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	2.0	1.4	1.0	0.82
TF-T4 (50)	10	UC	UC	0.40	51	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	1.4	0.91	0.68	0.54
	20	UC	UC	0.57	73	21	16.9	14.1	10.6	8.5	7.1	5.6	4.2	1.9	1.3	0.97	0.78
	30	XC	XC	0.69	88	26	20	17.1	12.8	10.2	8.5	6.8	5.1	2.3	1.6	1.2	0.94
	40	VC	VC	0.80	102	30	24	19.8	14.9	11.9	9.9	7.9	5.9	2.7	1.8	1.4	1.1
TF-T5	10	UC	UC	0.50	64	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	1.7	1.1	0.85	0.68
	20	UC	UC	0.71	91	26	21	17.6	13.2	10.5	8.8	7.0	5.3	2.4	1.6	1.2	0.97
	30	XC	XC	0.87	111	32	26	22	16.1	12.9	10.8	8.6	6.5	3.0	2.0	1.5	1.2
	40	VC	VC	1.00	128	37	30	25	18.6	14.9	12.4	9.9	7.4	3.4	2.3	1.7	1.4
TF-T7.5	10	UC	UC	0.75	96	28	22	18.6	13.9	11.1	9.3	7.4	5.6	2.6	1.7	1.3	1.0
	20	UC	UC	1.06	136	39	31	26	19.7	15.7	13.1	10.5	7.9	3.6	2.4	1.8	1.4
	30	XC	XC	1.30	166	48	39	32	24	19.3	16.1	12.9	9.7	4.4	2.9	2.2	1.8
	40	VC	VC	1.50	192	56	45	37	28	22	18.6	14.9	11.1	5.1	3.4	2.6	2.0
TF-T10	10	UC	UC	1.00	128	37	30	25	18.6	14.9	12.4	9.9	7.4	3.4	2.3	1.7	1.4
	20	UC	UC	1.41	180	52	42	35	26	21	17.4	14.0	10.5	4.8	3.2	2.4	1.9
	30	XC	XC	1.73	221	64	51	43	32	26	21	17.1	12.8	5.9	3.9	2.9	2.4
	40	VC	VC	2.00	256	74	59	50	37	30	25	19.8	14.9	6.8	4.5	3.4	2.7

Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change. Tabulations are based on spraying water at 70°F. See technical information for droplet size classification, useful formulas and other technical information.

†Specify material.

Features:

- Excellent spray distribution for uniform coverage along the boom
- Nozzle design incorporates a pre-orifice to produce larger droplets for less drift
- Large, round orifice reduces clogging
- Color coded for easy identification
- Can be used with quick-change cap for automatic alignment

Part	Description
AG052237	VS2 Turbo Stainless Steel Tip - Red
AG052236	VS2.5 Turbo Stainless Steel Tip - Brown
AG052235	VS3 Turbo Stainless Steel Tip - Gray
AG052234	VS4 Turbo Stainless Steel Tip - White
AG052233	VS5 Turbo Stainless Steel Tip - L. Blue
AG052232	VS7.5 Turbo Stainless Steel Tip - L. Green
AG052231	VS10 Turbo Stainless Steel Tip - Black

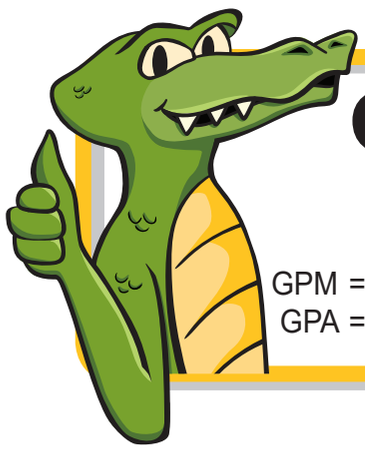
Turbo FloodJet Polymer Spray Tips

Part	Description
AG054220	VP2 Turbo Polymer Tip - Red
AG054221	VP2.5 Turbo Polymer Tip - Brown
AG054222	VP3 Turbo Polymer Tip - Gray
AG054223	VP4 Turbo Polymer Tip - White
AG054227	VP5 Turbo Polymer Tip - L. Blue
AG054225	VP7.5 Turbo Polymer Tip - L. Green
AG054226	VP10 Turbo Polymer Tip - Black

Caps for Turbo FloodJet Tips



Part	Description
AG055224	Black with Gasket
AG055223	White with Gasket
AG055222	Red with Gasket
AG055221	Blue with Gasket
AG055220	Green with Gasket
AG055219	Yellow with Gasket
AG055218	Brown with Gasket
AG055217	Orange with Gasket



GatorGuide

$$GPM = \frac{GPA \times MPH \times W}{5940}$$

GPM = Gallons per minute (per nozzle) MPH = Miles per hour
GPA = Gallons per acre W = Nozzle spacing (inches)

QCTF Turbo FloodJet



Turbo FloodJets produce large droplets to minimize the effects of wind drift. Nozzles are color coded for ease of identification and are self aligning when installed in a 3/4" nozzle cam-lock coupler. Use 10-25 PSI for maximum drift reduction.

Part	Description
AG053026	VS15 QCTF Tip - Tan
AG053025	VS20 QCTF Tip - White
AG053024	VS30 QCTF Tip - Yellow
AG053023	VS40 QCTF Tip - Red
AG053022	VS50 QCTF Tip - Gray
AG053021	VS60 QCTF Tip - D. Blue
AG053020	VS80 QCTF Tip - Black
AG053019	VS100 QCTF Tip - L. Blue
AG053018	VS120 QCTF Tip - Orange

FloodJet VisiFlo Spray Tips



FloodJet tips produce a very wide deflector-type flat-spray pattern. This allows the tip to be located nearer to the soil surface. The large round orifice helps prevent clogging. FloodJet tips are most popular in applying herbicides that are then incorporated into the soil by disc or other tillage equipment.

Part	Description
AG007997	TK2 VS Tip - Red
AG007998	TK2.5 VS Tip - Brown
AG007999	TK3 VS Tip - Gray
AG008000	TK4 VS Tip - White
AG008001	TK5 VS Tip - L. Blue
AG008002	TK7.5 VS Tip - L. Green
AG008003	TK10 VS Tip - Black

FloodJet Stainless Steel Tips

Part	Description
AG001304	TK.75 Stainless Steel Tip
AG001306	TK1 Stainless Steel Tip
AG001305	TK1.5 Stainless Steel Tip
AG001307	TK2 Stainless Steel Tip
AG001308	TK2.5 Stainless Steel Tip
AG001309	TK3 Stainless Steel Tip
AG001310	TK4 Stainless Steel Tip
AG001311	TK5 Stainless Steel Tip
AG001312	TK7.5 Stainless Steel Tip
AG001313	TK10 Stainless Steel Tip
AG001314	TK15 Stainless Steel Tip
AG001315	TK20 Stainless Steel Tip

Caps for FloodJet Stainless Steel and Brass Tips

Part	Description
ACP0484650	Black with Gasket
ACP0484660	White with Gasket
ACP0484670	Red with Gasket
ACP0484680	Blue with Gasket
ACP0484690	Green with Gasket
ACP0484700	Yellow with Gasket
ACP0484710	Brown with Gasket
ACP0484720	Orange with Gasket
ACP0484730	Gray with Gasket
ACP0484740	Violet with Gasket

	PSI	CAPACITY ONE NOZZLE IN GPM	GPA 60° LARGE CAPACITY QUICK FLOODJET NOZZLES TYPICAL SPACING IS 60 INCHES										
			4 MPH	5 MPH	6 MPH	7 MPH	8 MPH	9 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH
QCTF-VS15	10	1.50	37	30	25	21	18.6	16.5	14.9	12.4	10.6	9.3	8.3
	20	2.12	52	42	35	30	26	23	21	17.5	15.0	13.1	11.7
	30	2.60	64	51	43	37	32	29	26	21	18.4	16.1	14.3
	40	3.00	74	59	50	42	37	33	30	25	21	18.6	16.5
QCTF-VS20	10	2.00	50	40	33	28	25	22	19.8	16.5	14.1	12.4	11.0
	20	2.83	70	56	47	40	35	31	28	23	20	17.5	15.6
	30	3.46	86	69	57	49	43	38	34	29	24	21	19.0
	40	4.00	99	79	66	57	50	44	40	33	28	25	22
QCTF-VS30	10	3.00	74	59	50	42	37	33	30	25	21	18.6	16.5
	20	4.24	105	84	70	60	52	47	42	35	30	26	23
	30	5.20	129	103	86	74	64	57	51	43	37	32	29
	40	6.00	149	119	99	85	74	66	59	50	42	37	33
QCTF-VS40	10	4.00	99	79	66	57	50	44	40	33	28	25	22
	20	5.66	140	112	93	80	70	62	56	47	40	35	31
	30	6.93	172	137	114	98	86	76	69	57	49	43	38
	40	8.00	198	158	132	113	99	88	79	66	57	50	44
QCTF-VS50	10	5.00	124	99	83	71	62	55	50	41	35	31	28
	20	7.07	175	140	117	100	87	78	70	58	50	44	39
	30	8.66	214	171	143	122	107	95	86	71	61	54	48
	40	10.00	248	198	165	141	124	110	99	83	71	62	55
QCTF-VS60	10	6.00	149	119	99	85	74	66	59	50	42	37	33
	20	8.49	210	168	140	120	105	93	84	70	60	53	47
	30	10.4	257	206	172	147	129	114	103	86	74	64	57
	40	12.0	297	238	198	170	149	132	119	99	85	74	66
QCTF-VS80	10	8.00	198	158	132	113	99	88	79	66	57	50	44
	20	11.3	280	224	186	160	140	124	112	93	80	70	62
	30	13.9	344	275	229	197	172	153	138	115	98	86	76
	40	16.0	396	317	264	226	198	176	158	132	113	99	88
QCTF-VS100	10	10.0	248	198	165	141	124	110	99	83	71	62	55
	20	14.1	349	279	233	199	174	155	140	116	100	87	78
	30	17.3	428	343	285	245	214	190	171	143	122	107	95
	40	20.0	495	396	330	283	248	220	198	165	141	124	110
QCTF-VS120	10	12.0	297	238	198	170	149	132	119	99	85	74	66
	20	17.0	421	337	281	240	210	187	168	140	120	105	94
	30	20.8	515	412	343	294	257	229	206	172	147	129	114
	40	24.0	594	475	396	339	297	264	238	198	170	149	132

Note: Always double-check your application rates. Tabulations are based on spraying water at 70°F (21°C).

To find your nearest dealer or to order, go to parts.agcocorp.com

Ag-Chem Part No.	FloodJet Nozzle No.	Liquid Pressure In PSI	Capacity In GPM	GALLONS PER ACRE — 40" SPACING								
				4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	20 MPH
007599BR 001303S.S.	TK-.5 (100 mesh)	10	—	—	—	—	—	—	—	—	—	—
		20	.07	2.6	2.1	1.8	1.3	1.1	.88	.75	.66	.53
		30	.08	3.2	2.6	2.1	1.6	1.3	1.1	.92	.80	.64
		40	.10	3.7	3.0	2.5	1.9	1.5	1.2	1.1	.93	.74
007598BR 001304S.S.	TK-.75 (100 mesh)	10	.075	2.8	2.2	1.9	1.4	1.1	.93	.80	.70	.56
		20	.11	3.9	3.2	2.6	2.0	1.6	1.3	1.1	.98	.79
		30	.13	4.8	3.9	3.2	2.4	1.9	1.6	1.4	1.2	.96
		40	.15	5.6	4.5	3.7	2.8	2.2	1.9	1.6	1.4	1.1
001292BR 001306S.S.	TK-1 (100 mesh)	10	.10	3.7	3.0	2.5	1.9	1.5	1.2	1.1	.93	.74
		20	.14	5.3	4.2	3.5	2.6	2.1	1.8	1.5	1.3	1.1
		30	.17	6.4	5.1	4.3	3.2	2.6	2.1	1.8	1.6	1.3
		40	.20	7.4	5.9	5.0	3.7	3.0	2.5	2.1	1.9	1.5
001293BR 001305S.S.	TK-1.5 (50 mesh)	10	.15	5.6	4.5	3.7	2.8	2.2	1.9	1.6	1.4	1.1
		20	.21	7.9	6.3	5.3	3.9	3.2	2.6	2.3	2.0	1.6
		30	.26	9.7	7.7	6.4	4.8	3.9	3.2	2.8	2.4	1.9
		40	.30	11.1	8.9	7.4	5.6	4.5	3.7	3.2	2.8	2.2
001294BR 007997 001307S.S.	TK-2 (50 mesh)	10	.20	7.4	5.9	5.0	3.7	3.0	2.5	2.1	1.9	1.5
		20	.28	10.5	8.4	7.0	5.3	4.2	3.5	3.0	2.6	2.1
		30	.35	12.9	10.3	8.6	6.4	5.1	4.3	3.7	3.2	2.6
		40	.40	14.9	11.9	9.9	7.4	5.9	5.0	4.2	3.7	3.0
001295BR 007998 001308S.S.	TK-2.5 (50 mesh)	10	.25	9.3	7.4	6.2	4.6	3.7	3.1	2.7	2.3	1.9
		20	.35	13.1	10.5	8.8	6.6	5.3	4.4	3.8	3.3	2.6
		30	.43	16.1	12.9	10.7	8.0	6.4	5.4	4.6	4.0	3.2
		40	.50	18.6	14.9	12.4	9.3	7.4	6.2	5.3	4.6	3.7
001296BR 007999 001309S.S.	TK-3 (50 mesh)	10	.30	11.1	8.9	7.4	5.6	4.5	3.7	3.2	2.8	2.2
		20	.42	15.8	12.6	10.5	7.9	6.3	5.3	4.5	3.9	3.2
		30	.52	19.3	15.4	12.9	9.7	7.7	6.4	5.5	4.8	3.9
		40	.60	22	17.8	14.9	11.1	8.9	7.4	6.4	5.6	4.5
001297BR 008000 001310S.S.	TK-4	10	.40	14.9	11.9	9.9	7.4	5.9	5.0	4.2	3.7	3.0
		20	.57	21	16.8	14.0	10.5	8.4	7.0	6.0	5.3	4.2
		30	.69	26	21	17.2	12.9	10.3	8.6	7.4	6.4	5.1
		40	.80	30	24	19.6	14.9	11.9	9.9	8.5	7.4	5.9
001298BR 008001 001311S.S.	TK-5	10	.50	18.6	14.9	12.4	9.3	7.4	6.2	5.3	4.6	3.7
		20	.71	26	21	17.5	13.1	10.5	8.8	7.5	6.6	5.3
		30	.87	32	26	21	16.1	12.9	10.7	9.2	8.0	6.4
		40	1.0	37	30	25	18.6	14.9	12.4	10.6	9.3	7.4
001299BR 008002 001312S.S.	TK-7.5	10	.75	28	22	18.6	13.9	11.1	9.3	8.0	7.0	5.6
		20	1.1	39	32	26	19.7	15.8	13.1	11.3	9.8	7.9
		30	1.3	48	39	32	24	19.3	16.1	13.8	12.1	9.7
		40	1.5	56	45	37	28	22	18.6	15.9	13.9	11.1
001300BR 008003 001313S.S.	TK-10	10	1.0	37	30	25	18.6	14.9	12.4	10.6	9.3	7.4
		20	1.4	53	42	35	26	21	17.5	15.0	13.1	10.5
		30	1.7	64	51	43	32	26	21	18.4	16.1	12.9
		40	2.0	74	59	50	37	30	25	21	18.6	14.9
001301BR 001314S.S.	TK-15	10	1.5	56	45	37	28	22	18.6	15.9	13.9	11.1
		20	2.1	79	63	53	39	32	26	23	19.7	15.8
		30	2.6	96	77	64	48	39	32	28	24	19.3
		40	3.0	111	89	74	56	45	37	32	28	22
001302BR 001315S.S.	TK-20	10	2.0	74	59	50	37	30	25	21	18.6	14.9
		20	2.8	105	84	70	53	42	35	30	26	21
		30	3.5	129	103	86	64	51	43	37	32	26
		40	4.0	149	119	99	74	59	50	42	37	30
001994BR 001316S.S.	TK-30	10	3.0	111	89	74	56	45	37	32	28	22
		20	4.2	158	126	105	79	63	53	45	39	32
		30	5.2	193	154	129	96	77	64	55	48	39
		40	6.0	223	178	149	111	89	74	64	56	45

FloodJet Brass Spray Tips

Part	Description
AG007599	TK.5 Brass Tip
AG007598	TK.75 Brass Tip
AG001292	TK1 Brass Tip
AG001293	TK1.5 Brass Tip
AG001294	TK2 Brass Tip
AG001295	TK2.5 Brass Tip
AG001296	TK3 Brass Tip
AG001297	TK4 Brass Tip
AG001298	TK5 Brass Tip
AG001299	TK7.5 Brass Tip
AG001300	TK10 Brass Tip
AG001301	TK15 Brass Tip
AG001302	TK20 Brass Tip

FloodJet Polymer Spray Tips



Part	Description
AG428436	TK-VP1 Tip
AG428437	TK-VP1.5 Tip
AG428439	TK-VP2 Tip
AG428440	TK-VP2.5 Tip
AG428441	TK-VP3 Tip
AG428442	TK-VP4 Tip
AG428443	TK-VP5 Tip
AG428444	TK-VP7.5 Tip
AG428438	TK-VP10 Tip

Caps for VisiFlo® FloodJet Tips



Caps have groove for locating nib found on VisiFlo® FloodJet tips. Provides for exact spray alignment. Also fits Turbo FloodJets.

Part	Description
AG055224	Black with Gasket
AG055223	White with Gasket
AG055222	Red with Gasket
AG055221	Blue with Gasket
AG055220	Green with Gasket
AG055219	Yellow with Gasket
AG055218	Brown with Gasket
AG055217	Orange with Gasket

Quick FloodJet Nozzles



Wide-angle, flat-spray nozzles produce a wide deflector-type flat spray pattern, and their round orifice minimizes clogging. FloodJet nozzles are commonly used for incorporating herbicides into the soil. For broadcasting fertilizers and chemicals. The Quick FloodJet nozzles (QCK) are made of stainless steel and have the self-aligning pin-to-groove feature. Non-removable color-coded buttons permit ease in identification. Standard FloodJet nozzles (KSS) are stainless steel and have threaded (M) NPT connection.

Part	Description
AG007152	QCK20 Stainless Steel Tip - White
AG007162	QCK30 Stainless Steel Tip - Yellow
AG007161	QCK40 Stainless Steel Tip - Red
AG007160	QCK50 Stainless Steel Tip - Gray
AG007159	QCK60 Stainless Steel Tip - Blue
AG007158	QCK80 Stainless Steel Tip - Black
AG007157	QCK100 Stainless Steel Tip - L. Blue
AG007156	QCK120 Stainless Steel Tip - Orange
AG007154	QCK180 Stainless Steel Tip - Green
AG007153	QCK210 Stainless Steel Tip - Purple



GatorGuide

With today's harsh chemicals, the importance of tank rinsing has never been more important. Always refer to your operator's manual for proper tank rinsing procedures.

KSS Type Quick FloodJet Nozzles



Part	Description
AG001267	1/4" KSS 5 Tip
AG001268	1/4" KSS 7.5 Tip
AG001269	1/4" KSS 10 Tip
AG007664	1/4" KSS 12 Tip
L052003	1/4" KSS 15 Tip
AG001272	1/4" KSS 20 Tip
AG001276	3/8" KSS 30 Tip
AG001277	3/8" KSS 35 Tip
AG001279	3/8" KSS 45 Tip
AG001283	1/2" KSS 70 Tip
AG001285	3/4" KSS 90 Tip
AG006799	3/4" KSS 140 Tip
AG001290	3/4" KSS 210 Tip
AG002535	1" KSS 300 Tip
AG606278	1" KSS 450 Tip

TeeJet Tank Rinsing Nozzle



55270 rotating tank rinse nozzle.

Features:

- Rotating head driven by the flow of the rinsing liquid through multiple round spray orifices
- Solid-stream sprays are precisely positioned to provide effective internal wetting and cleaning of tank surface
- Removable retainer and rotating body allows for disassembly and cleaning
- Provides 360° coverage of inside surface of tank for tank diameters up to 10' (3.0 m)
- Self-lubricating and self-flushing design
- Materials: Body, black POM (acetal); fasteners, stainless steel
- Recommended operating pressure: 1,050 PSI (0.7-3.5 bar)

Part	Description
AG427608	55270 Tank Rinse Nozzle 3/4"
AG429694	55270 Tank Rinse Nozzle 1/2"

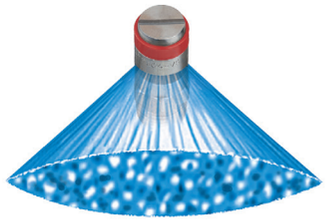
Turbo TurfJet

Flat-fan spray nozzle.

- Very large droplets
- Direct replacement for plastic hollow-cone low-drift nozzles
- More precise flow and distribution pattern
- Large orifice reduces clogging
- Nozzle spacing: 20"-40"
- Spraying pressure: 25-75 PSI
- VS nozzles are stainless steel with VisiFlo® color coding
- VP nozzles are polymer with VisiFlo® color coding
- Can be used with Quick TeeJet® cap QJ4676-*-NYR

Part	Description
AG058983	Turbo TurfJet TTJ02-VS Yellow
AG058984	Turbo TurfJet TTJ04-VS Red
AG058985	Turbo TurfJet TTJ05-VS Brown
AG058986	Turbo TurfJet TTJ06-VS Gray
AG058987	Turbo TurfJet TTJ08-VS White
AG058501	Turbo TurfJet TTJ10-VS Blue
AG058974	Turbo TurfJet TTJ15-VS Green
AG726812	Turbo TurfJet TTJ06-VP Gray
AG726814	Turbo TurfJet TTJ10-VP Blue
AG726815	Turbo TurfJet TTJ15-VP Green





TIP PART NO. (STRAINER MESH SIZE)	PSI	DROP SIZE	CAPACITY ONE NOZZLE IN GPM	CAPACITY ONE NOZZLE IN OZ/MIN	APPLICATION RATE FOR 40" SPRAY NOZZLE SPACING — GALLONS PER ACRE (GPA)								APPLICATION RATE FOR 20" SPRAY TIP SPACING — GALLONS PER 1000 SQ. FT.			
					4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
1/4TTJ02 (50)	25	UC	0.16	20	5.9	4.8	4.0	3.0	2.4	2.0	1.6	1.2	0.54	0.36	0.27	0.22
	30	XC	0.17	22	6.3	5.0	4.2	3.2	2.5	2.1	1.7	1.3	0.58	0.39	0.29	0.23
	40	XC	0.20	26	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.68	0.45	0.34	0.27
	50	VC	0.22	28	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.75	0.50	0.37	0.30
	60	VC	0.24	31	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.82	0.54	0.41	0.33
	75	VC	0.27	35	10.0	8.0	6.7	5.0	4.0	3.3	2.7	2.0	0.92	0.61	0.46	0.37
1/4TTJ04 (50)	25	UC	0.32	41	11.9	9.5	7.9	5.9	4.8	4.0	3.2	2.4	1.1	0.73	0.54	0.44
	30	UC	0.35	45	13.0	10.4	8.7	6.5	5.2	4.3	3.5	2.6	1.2	0.79	0.60	0.48
	40	UC	0.40	51	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	1.4	0.91	0.68	0.54
	50	UC	0.45	58	16.7	13.4	11.1	8.4	6.7	5.6	4.5	3.3	1.5	1.0	0.77	0.61
	60	UC	0.49	63	18.2	14.6	12.1	9.1	7.3	6.1	4.9	3.6	1.7	1.1	0.83	0.67
	75	UC	0.55	70	20	16.3	13.6	10.2	8.2	6.8	5.4	4.1	1.9	1.2	0.94	0.75
1/4TTJ05 (50)	25	UC	0.40	51	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	1.4	0.91	0.68	0.54
	30	UC	0.43	55	16.0	12.8	10.6	8.0	6.4	5.3	4.3	3.2	1.5	0.97	0.73	0.58
	40	UC	0.50	64	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	1.7	1.1	0.85	0.68
	50	UC	0.56	72	21	16.6	13.9	10.4	8.3	6.9	5.5	4.2	1.9	1.3	0.95	0.76
	60	UC	0.61	78	23	18.1	15.1	11.3	9.1	7.5	6.0	4.5	2.1	1.4	1.0	0.83
	75	UC	0.68	87	25	20	16.8	12.6	10.1	8.4	6.7	5.0	2.3	1.5	1.2	0.92
1/4TTJ06 (50)	25	UC	0.47	60	17.4	14.0	11.6	8.7	7.0	5.8	4.7	3.5	1.6	1.1	0.80	0.64
	30	UC	0.52	67	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	1.8	1.2	0.88	0.71
	40	UC	0.60	77	22	17.8	14.9	11.1	8.9	7.4	5.9	4.5	2.0	1.4	1.0	0.82
	50	UC	0.67	86	25	19.9	16.6	12.4	9.9	8.3	6.6	5.0	2.3	1.5	1.1	0.91
	60	UC	0.73	93	27	22	18.1	13.6	10.8	9.0	7.2	5.4	2.5	1.7	1.2	0.99
	75	UC	0.82	105	30	24	20	15.2	12.2	10.1	8.1	6.1	2.8	1.9	1.4	1.1
1/4TTJ08	25	UC	0.63	81	23	18.7	15.6	11.7	9.4	7.8	6.2	4.7	2.1	1.4	1.1	0.86
	30	UC	0.69	88	26	20	17.1	12.8	10.2	8.5	6.8	5.1	2.3	1.6	1.2	0.94
	40	UC	0.80	102	30	24	19.8	14.9	11.9	9.9	7.9	5.9	2.7	1.8	1.4	1.1
	50	UC	0.89	114	33	26	22	16.5	13.2	11.0	8.8	6.6	3.0	2.0	1.5	1.2
	60	UC	0.98	125	36	29	24	18.2	14.6	12.1	9.7	7.3	3.3	2.2	1.7	1.3
	75	UC	1.10	141	41	33	27	20	16.3	13.6	10.9	8.2	3.7	2.5	1.9	1.5
1/4TTJ10	25	UC	0.79	101	29	23	19.6	14.7	11.7	9.8	7.8	5.9	2.7	1.8	1.3	1.1
	30	UC	0.87	111	32	26	22	16.1	12.9	10.8	8.6	6.5	3.0	2.0	1.5	1.2
	40	UC	1.00	128	37	30	25	18.6	14.9	12.4	9.9	7.4	3.4	2.3	1.7	1.4
	50	UC	1.12	143	42	33	28	21	16.6	13.9	11.1	8.3	3.8	2.5	1.9	1.5
	60	UC	1.22	156	45	36	30	23	18.1	15.1	12.1	9.1	4.1	2.8	2.1	1.7
	75	UC	1.37	175	51	41	34	25	20	17.0	13.6	10.2	4.7	3.1	2.3	1.9
1/4TTJ15	25	UC	1.19	152	44	35	29	22	17.7	14.7	11.8	8.8	4.0	2.7	2.0	1.6
	30	UC	1.30	166	48	39	32	24	19.3	16.1	12.9	9.7	4.4	2.9	2.2	1.8
	40	UC	1.50	192	56	45	37	28	22	18.6	14.9	11.1	5.1	3.4	2.6	2.0
	50	UC	1.68	215	62	50	42	31	25	21	16.6	12.5	5.7	3.8	2.9	2.3
	60	UC	1.84	236	68	55	46	34	27	23	18.2	13.7	6.3	4.2	3.1	2.5
	75	UC	2.05	262	76	61	51	38	30	25	20	15.2	7.0	4.6	3.5	2.8

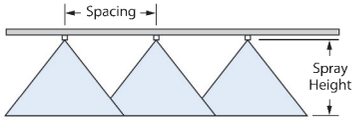
Note: Always double check your application rates. Droplet size classification shown is based on ISO 25358. Droplet size classification standard is subject to change. Tabulations are based on spraying water at 70°F. See technical information for droplet size classification, useful formulas and other technical information.

QJ4676-90-1/4-NYR

- 90° fitting attaches to Quick TeeJet bodies—¼" female threaded outlet.
- Simple installation of TurfJet nozzles on vertical nozzle bodies.
- Nylon construction.



CONTACT PRODUCT	SYSTEMIC PRODUCT	DRIFT MANAGEMENT
—	EXCELLENT	EXCELLENT



Optimum Spray Height

20″	24"*
30″	30"*
40″	39"*

*Wide-angle spray nozzle height is influenced by nozzle orientation. The critical factor is to achieve a minimum 30% overlap.

TeeJet® TECHNOLOGIES

MINIMIZE DRIFT & MAXIMIZE CONTROL



INTRODUCING THE ACCUPULSE® TWINJET®

- Recirculating design offers big performance in a compact size
- Twin 110° spray pattern improves coverage
- XC & UC drops provide excellent drift control
- Ideal for systemic herbicide application, including glyphosate and dicamba
- Designed for use on sprayers equipped with PWM control systems, as well as conventional sprayers

Learn more at teejet.com/accupulse





NEW!

DOWNLOAD THE NEW & IMPROVED SPRAYSELECT MOBILE APP TODAY!

teejet.com/sprayselect

To find your nearest dealer or to order, go to parts.agcocorp.com

A GUIDE TO CLEANING YOUR SPRAYERS

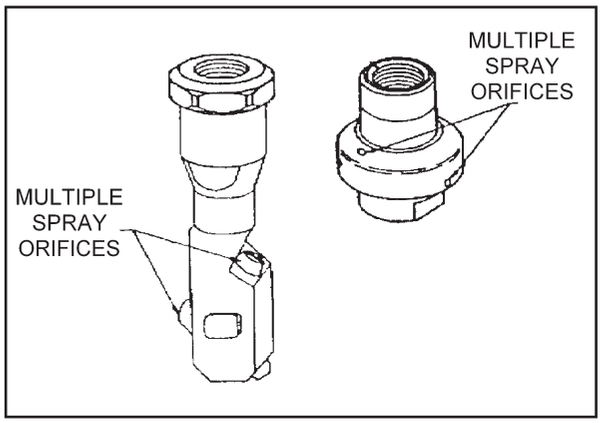
Step-by-Step Instructions for Cleaning Equipment After Application

1. Flush tank, hoses, boom, and nozzles with clean water.
2. Prepare a cleaning solution using a Novartis-approved commercial tank cleaner, such as **AGCO® Dry Tank Cleaner.** Read the cleanser label for the correct rate. Read the following sections for instructions on proper tank cleaning procedures. Do not use chlorine-based cleaners such as Clorox®.
3. Use a pressure washer to clean the inside of the spray tank with this solution. Take care to wash all parts of the tank, including the inside top surface.
4. Completely fill the sprayer with the cleaning solution to ensure contact of the cleaning solution with all internal surfaces of the tank and plumbing. Start agitation in the sprayer and thoroughly recirculate the cleaning solution for at least 15 minutes. All visible deposits must be removed from the spraying system.
5. Flush hoses, spray lines, and nozzles for at least one minute with cleaning solution.
6. Dispose of rinsate from steps 1–5 in an appropriate manner. Spray the cleaning solution on untreated corn or return to a rinsate tank for later use as makeup water for spraying corn.
7. Repeat steps 2–5 again.
8. Remove nozzles, screens, and strainers and clean separately in the cleaning solution after completing the above procedures.
9. Rinse the complete spraying system with clean water.

Note: 1) If the tank is equipped with the proper number of correctly-mounted 360° tank-washing nozzles which are attached to a dedicated rinsing system, less than a full tank cleaning solution may be used. Use sufficient cleaning solution to thoroughly rinse all surfaces. Start the sprayer agitation and recirculate solution for at least 15 minutes. Flush the spray boom with the cleaning solution. Repeat the rinsing procedure 1–2 times.

2) If the sprayer contains obvious residue buildup or when switching to a crop which is especially sensitive to the last herbicide used, follow step 4 above, even if a tank-rinsing system is in place.

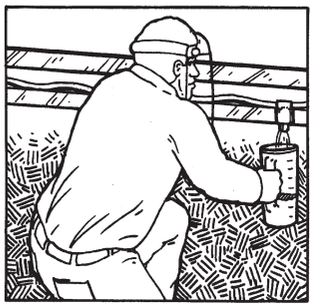
Tank-Rinsing Nozzles



Several companies manufacture special nozzles for rinsing spray tanks. These should be permanently mounted in the top of the spray tank. A properly-designed tank-rinsing system will have these characteristics:

- Nozzles should rotate 360° so that all inside surfaces of the tank can be wetted by the spray. It is important that the inside top of the tank and all of the corners are in direct contact with rinsing spray.
- The tank-rinsing system will include a separate tank that is used to hold only cleaning solution.
- Install at least two rinsing nozzles in each tank; one positioned on either side of the tank lid.
- In sprayers with baffled tanks, use one nozzle per baffled section.
- Follow rinsing system manufacturer's guidelines for correct installation, operation, and maintenance of the equipment.
- Routinely rinse the sprayer thoroughly with clean water or cleaning solution and drain all lines. Use of rinsing nozzles is no substitute for applying complete cleaning practices.

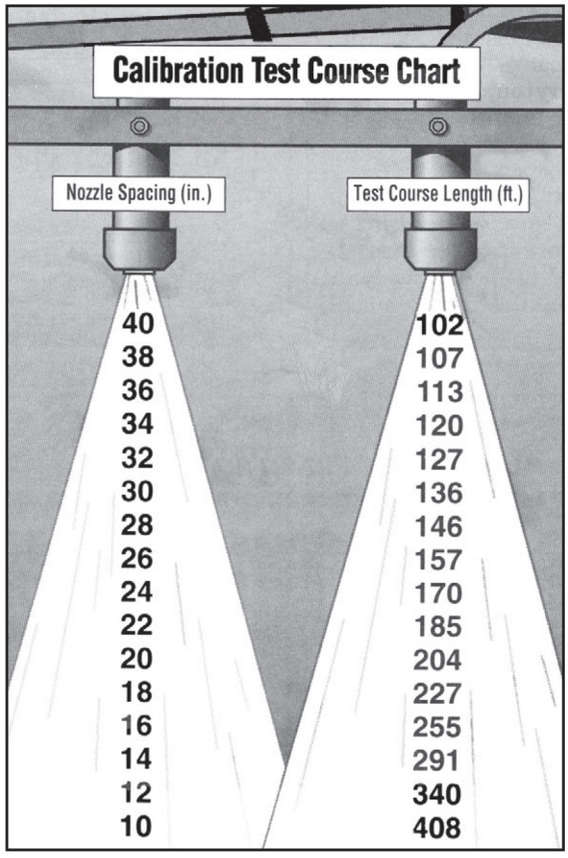
SIMPLE STEPS TO CALIBRATE AND MAINTAIN YOUR SPRAY EQUIPMENT



To avoid needless ag chemical waste, improper application, and potential water contamination, calibrate your spray equipment at least once a year. Follow these 10 easy steps:

1. Fill your sprayer tank with water. Only use clean water to calibrate.
2. Measure the distance (in inches) between the nozzles on your spray boom, then refer to the chart below.
3. Choose the Test Course Length (in feet) from the accompanying chart. For directed and band rigs, use the row spacing of the field you plan to spray. Measure the course distance in the field and flag it for easy visibility.
4. Drive the test course at your normal spraying speed. Be sure to operate all equipment. The important step here is to record the seconds it takes to drive the measured distance. You'll use that number later. Be sure to take a "running start" at the starting flag so your tractor/sprayer reaches the desired speed before you begin timing.
5. Park your tractor/sprayer, set your brakes, but keep the engine RPM at the same setting used to drive the test course.
6. Set the desired pressure on your sprayer (this will vary with the type of spray tips you use and the gallons per minute you wish to spray through them).
7. Using a plastic container marked in ounces (a bottle or measuring cup works fine), collect the water sprayed from one nozzle during the same amount of time you found that it took you to drive the test course.
8. The amount of water collected in ounces per nozzle equals gallons per acre applied. Vary the sprayer pressure slightly to fine-tune your overall output.
9. Be sure to check your nozzles by measuring the flow of each nozzle on the boom to assure uniform distribution. If the flow rate of any tip is 10% greater or less than that of the others, replace it. If two or more are faulty, replace all tips on the entire boom. The total expense involved is small compared to the cost of wasted product or environmental harm. Whatever type of spray tip you choose, be sure to use all the same type on your boom.
10. Last, but not least, be sure to read the product label for proper application information.

This information is provided by the Alliance for a Clean Rural Environment, a non-profit, non-political organization encouraging environmental stewardship and protection of water quality, supported by the makers of crop protection chemicals.

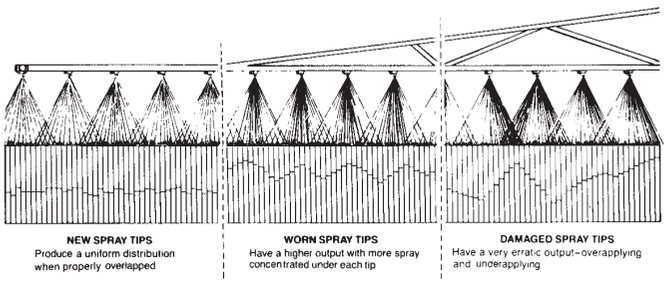


Take Time to Calibrate

Faced with production deadlines, farmers' common sense often takes a back seat when it's time to calibrate spray equipment. Complex formulas and time-consuming calculations can be discouraging. But calibration errors add excess chemical costs, reduced yields, and increased potential for water contamination. So, use this quick, 10-step method to calibrate your sprayer.

Spray tips don't last forever!

Too many growers are losing thousands of dollars for the sake of a small investment in the routine replacement of spray tips.



Measuring Travel Speed

Measure a test course in the area to be sprayed or in an area with similar surface conditions. Minimum lengths of 100 and 200 feet are recommended for measuring speeds up to 5 and 10 MPH, respectively. Determine the time required to travel the test course. To help ensure accuracy, conduct the speed check with a loaded sprayer and select the engine throttle setting and gear that will be used when spraying. Repeat the above process and average the times that were measured. Use the following equation or the table below to determine ground speed.

$$\text{Speed (MPH)} = \frac{\text{Distance (ft.)} \times 60}{\text{Time (seconds)} \times 88}$$

Speed in MPH (Miles Per Hour)	Time Required in SECONDS to travel a Distance of:		
	100 feet	200 feet	300 feet
3.0	23	45	68
3.5	20	39	58
4.0	17	34	51
4.5	15	30	45
5.0	14	27	41
6.0	—	23	34
7.0	—	19	29
7.5	—	18	27
8.0	—	17	26
9.0	—	15	23

Useful Formulas

GPM — Gallons Per Minute
GPA — Gallons Per Acre
MPH — Miles Per Hour
W — Nozzle spacing (in inches) for broadcast spraying
— Spray width (in inches) for single nozzles, band spraying, or boomless spraying.
— Row spacing (in inches) divided by the number of nozzles per row for directed spraying.

$$\text{GPM (Per Nozzle)} = \frac{\text{GPA} \times \text{MPH} \times \text{W}}{5940}$$

$$\text{GPA} = \frac{5940 \times \text{GPM (Per Nozzle)}}{\text{MPH} \times \text{W}}$$

Suggested Minimum Spray Heights

Nozzle Type	Nozzle Height			
	Spray Angle	20" Spacing	30" Spacing	40" Spacing
TeeJet (Flat Spray)	65˚	22-24"	33-35"	NR*
TeeJet, XR TeeJet	80˚	17-19"	26-28"	NR*
TeeJet, XR TeeJet	110˚	15-18"	20-22"	NR*
FullJet	120˚	10-18"**	14-18"**	14-18"**
FloodJet	120˚	***	***	***
Turbo TeeJet	110˚	15-18"	20-22"	NR*
Turbo FloodJet	120˚	14-16"	15-17"	18-20"

* Not recommended.
** Nozzle height based on 30˚ to 45˚ angle of orientation.
*** Wide-angle spray tip height is influenced by nozzle orientation. The critical factor is to achieve a double spray pattern overlap.

Nozzle Spacing

If the nozzle spacing on your boom is different than those tabulated, multiply the tabulated GPA coverages by one of the following factors.

Where Tables Are Based on 20" Nozzle Spacing									
Other Spacing	8"	10"	12"	14"	16"	18"	22"	24"	30"
Conversion Factor	2.5	2	1.67	1.43	1.25	1.11	.91	.83	.66

Where Tables Are Based on 30" Nozzle Spacing									
Other Spacing	26"	28"	32"	34"	36"	38"	40"	42"	44"
Conversion Factor	1.15	1.07	.94	.88	.83	.79	.75	.71	.68

Where Tables Are Based on 40" Nozzle Spacing									
Other Spacing	28"	30"	32"	34"	36"	38"	42"	44"	48"
Conversion Factor	1.43	1.33	1.25	1.18	1.11	1.05	.95	.91	.83

Spraying Solutions Other Than Water

Since all the tabulations are based on spraying water, which weighs 8.34 lbs. per USA gallon, conversion factors must be used when spraying solutions that are heavier or lighter than water. To determine the proper size nozzle for the solution to be sprayed, first multiply the desired GPM or GPA of solution by the water rate conversion factor. Then use the new converted GPM or GPA rate to select the proper size nozzle.

Example: Desired application rate is 20 GPA of 28%N. Determine the correct nozzle size as follows:

GPA (solution) x Conv. Factor = GPA (from table in catalog)

20 GPA (28%) x 1.13 = 22.6 GPA (water)

The applicator should choose a nozzle size that will supply 22.6 GPA of water at the desired pressure.

Weight of Solution	Specific Gravity	Conversion Factors
7.0 lbs. per gallon	.84	.92
8.0 lbs. per gallon	.96	.98
8.34 lbs. per gallon — WATER	1.00	1.00
9.0 lbs. per gallon	1.08	1.04
10.0 lbs. per gallon	1.20	1.10
10.65 lbs. per gallon — 28% nitrogen	1.28	1.13
11.0 lbs. per gallon	1.32	1.15
12.0 lbs. per gallon	1.44	1.20
14.0 lbs. per gallon	1.68	1.30

SpotOn® Nozzle Cleaner & Tip Tool



This combo pack includes both the innovative air blast Nozzle Cleaner and 4-in-1 Tip Tool. These tools are designed specifically for spray tip and nozzle body cleaning and maintenance. The SpotOn Nozzle Cleaner provides a 50 PSI air blast for clearing debris from spray tips. The 4-in-1 tip tool features a brush, foldout plastic pick, spanner wrench, and utility hook that make tip maintenance quick and easy.

Part	Description
AG428701	Nozzle Cleaner and Tip Tool

SpotOn® Sprayer Pressure Tester



Accurately check nozzle pressure where it counts! Verify the accuracy of the sprayer's pressure sensor or gauge as well as find blockage in hoses and booms. Digital display with quick couplers for fast and accurate pressure checking. CE Certified.

Part	Description
AG428700	Pressure Tester

SpotOn® Mini Patternator



Innovative handheld patternator allows visualization of nozzle and sprayer coverage. Most readings are made in less than 10 seconds due to the special channel design.

Part	Description
AG428702	Mini Patternator

SpotOn® Spray Tip Tool Kit



Everything a sprayer operator needs to test nozzles, clean spray tips, and calibrate sprayers. Includes a durable carrying case that will keep all your SpotOn® tools organized, secured, and ready for use in the field, classes, or clinics. Includes: Sprayer Calibrator (SC-1), Air Blast Tip Cleaner, Tip Tool, Sprayer Output Calculator (slide chart), Gloves and Goggles, Durable Carrying Case. Sprayer Calibrator (SC-1) AE50 Award, CE Certified and JKI Certified.

Part	Description
AG428703	Spray Tip Tool Kit



GatorGuide

Soil compaction can occur in any type of soil, making it difficult for moisture and root penetration. Quickly evaluate soil density with the SpotOn® Digital Soil Compaction Meter.

SpotOn® Digital Soil Compaction Meter



A digital version of the dial pene-trometer, the SpotOn® Digital Soil Compaction Meter combines a rugged design with ease of operation. Its 0.505" steel cone ensures years of service and its stainless-steel shaft is marked every 4" (10cm) for easy depth reference. The meter's electronic load cell design allows all types of soil to be accurately measured without the need for changing tip sizes while still meeting the ASABE S313.3 Soil Compaction Standard. Peak compaction value is automatically displayed on the large digital display when the probe is extracted from the soil. In addition to providing readings in PSI or kPa, the meter also shows compaction severity with a green/yellow/red color code for easy reference.

Usable Probe Length: 30" (76cm)
Range: 0 to 825 PSI (0 to 5690 kPa)
Resolution: 1 PSI (7 kPa)
Accuracy: +/- 15 PSI (100 kPa)
Meter Size: 35x11x3in (89x28x7.6cm)

Part	Description
ACP0492800	SpotOn® Digital Soil Compaction Meter

SpotOn® Thermal Inversion Tester



The SpotOn® Inversion Tester allows for quick and accurate detection of low-level thermal inversions and measures air temperature at boom height as required for pesticide/herbicide application. This meter clearly states if an inversion is present (warm air above cool air) on the digital display. Avoid spraying even with a slight inversion as it can ineffectively treat the desired area; fine droplets of the chemical can get trapped in the cooler air near the ground and become isolated from the surrounding weather conditions.

Range: 0.0 to 150.0°F (-18.0 to 65.0°C)
Resolution: 0.1°F (0.1°C)
Accuracy: +/- 0.36°F (0.2°C) absolute
+/- 0.18°F (0.1°C) for inversion intensity
Size: 3.5" Dia x 23" L (8.9cm Dia x 58.4cm L) folded
2.75" Dia x 41.5" L (7cm Dia x 105cm L) deployed

Part	Description
ACP0492790	SpotOn® Thermal Inversion Tester

SpotOn® Master Applicator Kit



Everything an application expert needs to demonstrate sprayer calibration, performance, and maintenance. Includes a durable carrying case that will keep all your SpotOn® tools organized, secured, and ready for use in the field, classes, or clinics. Includes: Sprayer Calibrator (SC-1), Air Blast Tip Cleaner, Tip Tool, Pressure Tester, Wind Meter, Mini-Patternator, Sprayer Output Calculator (slide chart), Gloves & Goggles, Durable Carrying Case. Sprayer Calibrator (SC-1) AE50 Award, CE Certified and JKI Certified. Digital Pressure Tester CE Certified.

Part	Description
AG428704	Master Applicator Kit

SpotOn® Sprayer Calibrator



Provides quick and accurate flow rate checking of individual sprayer nozzles. Avoid costly over- or under-application of chemicals! Sprayer Calibrator (SC-1) AE50 Award, CE Certified and JKI Certified.

- Quickly find worn spray nozzle tips—Industry guidelines recommend tip replacement once flow rate exceeds that of a new tip by 10%.
- Accurately measure true tip flow rate—Today's high-tech sprayers can only be properly calibrated and confirmed with this knowledge.
- Fast and simple operation—Readings in 10 seconds or less per tip. Easy one-handed operation with digital display in GPM, LPM, or Oz./Min. Simple to use, waterproof with no moving parts and clear design allows for easy cleaning and troubleshooting.

Part	Description
AG428355	Sprayer Calibrator 0-1 GPM
AG428356	Sprayer Calibrator 1-4 GPM

SpotOn® Paper



SpotOn Paper allows for quick and easy spray visualization: visualize spray coverage, visualize droplet size and uniformity, and visualize off target application. Available in 1x3", 2x3", and 11.75x9.5 sizes.

Part	Description
AG429695	2" x 3"
AG429696	1" x 3"
AG429697	11.75" x 9.5"

SpotOn® Portable Spray Case



Demonstrate spray nozzles and test equipment anywhere! Features an ultra-portable design that is battery powered and folds completely into an oversized brief case for easy transport or shipping.

Part	Description
AG429698	Portable Spray Case

Electronic Wind/Temp/Humidity Meters



The NK Kestrel meters help you know wind speed, temperature, or humidity. All three units provide wind speed, average wind speed, and maximum wind speed. Accuracy to +/- 3%. Shock-mounted impeller in a glass-reinforced plastic housing can simply be popped out and replaced with a new assembly. Units are waterproof and buoyant. Performance is guaranteed for one full year!

Features:

- Maximum wind speed: 89 MPH
- Units: Knots, meters per second, miles per hour, feet per minute, kilometers per hour
- Sealing: Water resistant to 3'
- Temperature: Operating range 5°F-122°F
- Battery: User-replaceable CR2032 coin cell; typical life 400 hours

Part	Description
AG726211	Electronic Windmeter
AG726212	Electronic Windmeter and Temp Meter
AG726213	Electronic Wind Temp and Humidity Meter
AG726214	Replacement Impeller

Pentair Hypro Express™ Flush Valve



Retrofit part upgrade from the Aspirator End Cap for RoGator B-Series fitted with express plumbing.

Features and Benefits:

- Quickly flushes the entire boom section with the turn of a handle
- Reduces opening time by 55 sec. per valve compared to standard Express End Cap plug
- Easy to install! No tools required if upgrading from Aspirator End Cap
- Compact valve design limits dimensions, fits most boom structures
- Chemically-resistant, stainless steel ball and FKM O-rings extend life
- Handle includes standard wrench square head slot to operate in hard-to-reach spaces
- Removes trapped air in the boom, reducing nozzle turn-off time by 85%

Part	Description
ACP0396490	Flush Valve Only (For Upgrade from Aspirator End Cap)
ACP0396480	Flush Valve with 1" Express End Cap (10mm Stem)
ACP0436740	1/2" Push-to-Connect Elbow (To Direct Flow Downward)

Pentair® Hypro™ Aspirator End Cap



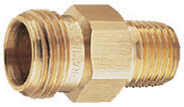
For Express plumbing on B-Series RoGator® liquid systems. It consists of an end cap fitting that is added to both ends of each boom tube to bleed trapped air from the boom plumbing. The end cap fittings may be retro-fitted on machines with 1" boom plumbing using an available boom rework kit.

Features and Benefits:

- Includes removable cleanout plug
- Pneumatic power; no changes to the plumbing, flow controls, or electronics needed
- Porting in the fitting enables full drain-out of the boom pipe at clean-out
- Convenient field accessory kit includes everything needed to install Aspirator End Caps on most RoGators with stainless steel boom plumbing

Part	Description
549498D1	Field Accessory Kit - Includes Boom Rework Kit and 30 End Caps
565360D1	Aspirator End Cap
AG429732	Boom Rework Kit - Includes Retrofit Template with Instructions
554131D1	End Cap Service Kit - Includes Replacement Retaining Clamp and Seals

Type TT Nozzle Bodies



Type TT body has male threads on both ends. Inlet sizes are shown and outlet thread is always 11/16"-16 to fit TeeJet nozzle caps.

Part	Description
AG001618	1/8" Inlet, Brass
AG001610	1/4" Inlet, Brass
AG001833	1/4" Inlet, Nylon, Per Piece, Pack Qty. 50
AG051447	1/4" Inlet, Nylon
AG001609	1/4" Inlet, Stainless Steel
AG054055	1/2" Inlet, Brass

Type T Nozzle Bodies



Type T body has female threaded inlet.

Part	Description
AG001605	1/4" Inlet, Brass
AG001920	1/4" Inlet, Nylon
AG001606	1/4" Inlet, Stainless Steel

Threaded Nozzle Caps



11/16"-16 female nozzle thread caps.

Part	Description
AG001613	Nozzle Cap, Brass
AG001832	Nozzle Cap, Nylon
AG006606	Nozzle Cap, Nylon Winged
AG005189	Nozzle Cap, Nylon Extra Long
AG001615	Nozzle Cap, Stainless Steel
AG001718	Tip Gasket, Optional

Plug Tips



To shut off selected nozzles or change spacing of operating nozzles on the boom.

Part	Description
AG001629	Brass
AG001630	Stainless Steel

TeeJet Nozzle Strainers



Part	Description
AG001834	50 Mesh, Nylon - Blue
AG001835	100 Mesh, Nylon - Green
6630911	50 Mesh, Brass
6630912	100 Mesh, Brass
AG001734	50 Mesh, Stainless Steel
AG001621	Replacement Screen Only - 50 Mesh Stainless Steel

Cup Strainer



Part	Description
AG001631	100 Mesh Stainless Steel

Slotted Strainers



Part	Description
AG001648	16 Mesh, Brass
AG001649	16 Mesh, Nylon - Burgundy
AG001646	25 Mesh, Brass
AG001647	25 Mesh, Nylon - Red
AG001645	50 Mesh, Brass
AG001644	50 Mesh, Nylon - Blue

Strainer with Check Valve



Prevents nozzle dripping. Opens at 5 PSI. For flow rates up to 0.8 GPM.

Part	Description
AG001637	50 Mesh Brass
AG001638	100 Mesh Brass
AG001635	50 Mesh Nylon
AG001998	100 Mesh Nylon
AG001636	50 Mesh Aluminum
AG001639	50 Mesh Stainless Steel
AG005972	Poly Body & Cap Screw, 50 Mesh Stainless Screen, Spring Rating 10

Nozzle Check Valve



Use where strainers are not required. Ball check opens at 5 PSI. For flow rates from .40 to 1.5 GPM.

Part	Description
AG001916	Brass
AG001917	Stainless Steel
AG006368	Poly

Outlet Adapters



Female adapter has 11/16"-16 nozzle thread on one end and NPT on the opposite end.

Part	Description
AG001662	1/4" Brass
AG001665	1/4" Nylon
AG001664	1/4" Stainless Steel

1/4" Street Elbows

Used with nozzles to change the direction of the spray pattern.

Part	Description
AG001246	1/4", 90° Nylon
AG560669	1/4", 90° Zinc-Plated
AG009643	1/4", 45° Nylon

Clamps





For quick-change nozzle shanks.

Part	Description
AG007632	3/4" Square
AG006319	1" Square
AG006320	1-1/4" Square
AG007434	1-1/2" Square
AG055371	1-1/4" Square Stainless Steel
AG055372	1-1/2" Square Stainless Steel
AG006317	1/2" Pipe
AG006318	3/4" Pipe
AG006262	1" Pipe
AG006552	1-1/4" Pipe

Clamps (Pipe)



Part	Description
AG604099	1/2"
AG606341	3/4"
AG604194	1"
AG006064	1-1/4"

TeeJet Check Valve



For larger capacity TeeJet nozzles where strainers are not required. Ball check opens at 5 PSI; 10 PSI spring also available. Recommended for flow rates from 0.40–1.5 GPM. Made in choice of stainless steel, brass, aluminum or polypropylene with stainless steel ball and spring.

Clamps (Square)



Part	Description
AG561176	1"
AG560871	1-1/4"
AG009014	1-1/2"

QJS Stack Nozzle Bodies



The QJS nozzle body utilizes a modular design that allows for highly customized solutions to fit your sprayer and spraying application needs.

Features:

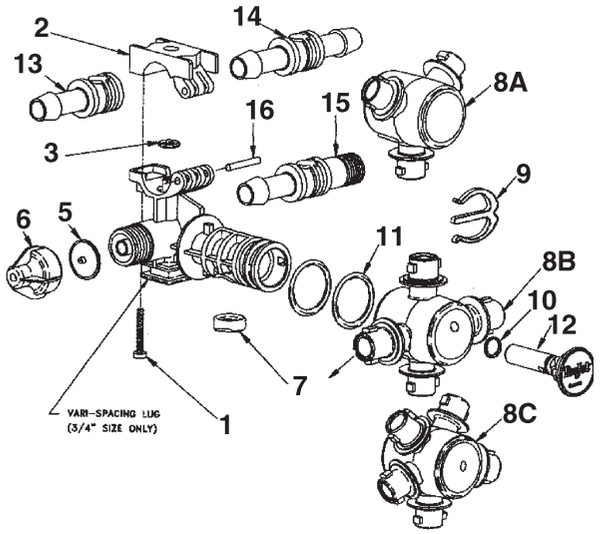
- Comes with ChemSaver manual shutoff compatible with PWM (ChemSaver) installations
- Multiple outlet, stackable nozzle body is ideal for mounted, trailed and self-propelled sprayers.
- Maximum operating pressure of up to 300 PSI (20 bar) depending on the ChemSaver used.

Part	Description
AG430375	1" Stackable Nozzle Body
AG430376	1" Stackable Nozzle Body, RH
AG428905	eChemSaver Electric Solenoid Shutoff

Model 360C Multiple-Nozzle Bodies for Wet Booms



Nozzle body rotates to select any of three, four, or five different spray tips. Made of corrosion-resistant materials, the 360° design has positive shutoff between each nozzle position and at the spray tip. Maximum operating pressure is 300 PSI and flow rate is 2.25 GPM with a 5 PSI pressure drop. For use with all quick-change colored caps. Caps and spray tips not included and should be ordered separately. Standard diaphragm is 10 PSI.



Part	Description
AG429919	3 Nozzle for 1/2" Pipe
AG054643	3 Nozzle for 3/4" Pipe
AG054644	3 Nozzle for 1" Pipe
AG427330	4 Nozzle for 1/2" Pipe
AG054646	4 Nozzle for 3/4" Pipe
AG054649	5 Nozzle for 3/4" Pipe
AG054650	5 Nozzle for 1" Pipe

Model 370 Multiple-Nozzle Bodies for Wet Booms



The QJ370 multiple outlet nozzle body features a compact design to fit onto a variety of sprayers and boom designs. It has positive indexing that prevents accidental rotation and provides feedback to the operator. Optimized internal passages provide high flow rates for a wide range of ground speeds and application rates. Choice of 3 or 5 outlet turrets with Quick TeeJet® system for fast, easy installation and selection of spray tips. Wetted parts constructed of nylon, acetal and FKM for excellent chemical resistance. Maximum Operating Pressure: 300 PSI (20 bar). Standard Check Valve Opening Pressure is 10 PSI.

- QJ373 Flow Rating:
  - o 2.6 GPM (9.8 l/min) at 5 PSI pressure drop
  - o 3.6 GPM (13.6 l/min) at 10 PSI pressure drop
- QJ375 Flow Rating:
  - o 2.4 GPM (9.1 l/min) at 5 PSI pressure drop
  - o 3.4 GPM (12.9 l/min) at 10 PSI pressure drop

Part	Description
AG429034	3 Nozzle for 20mm Pipe
AG429035	3 Nozzle for 25mm Pipe
AG429036	3 Nozzle for 1/2" Pipe
AG429037	3 Nozzle for 3/4" Pipe
AG429038	3 Nozzle for 1" Pipe
AG429039	5 Nozzle for 20mm Pipe
AG429040	5 Nozzle for 25mm Pipe
AG429041	5 Nozzle for 1/2" Pipe
AG429042	5 Nozzle for 3/4" Pipe
AG429043	5 Nozzle for 1" Pipe

Nozzle Bodies



High-capacity multiple-outlet nozzle body is ideal for high-speed, high-volume applications, including liquid fertilizer. Available with three spray positions for easy change of spray tips or quick boom flushing. Positive shutoff between each spray position. Requires 3/8" (9.5 mm) hole drilled in pipe or tubing. Includes high-capacity ChemSaver® diaphragm check valve for drip-free shutoff; diaphragm opens at 10 PSI (0.7 bar). Molded hex socket in upper clamp for attaching to flat surfaces; accepts 5/16" or M8 bolt. Hinged upper clamp reduces assembly time and fits inside common boom channels. Constructed of nylon and acetal with FKM seals and O-rings. 3.0 GPM (11.4 LPM) (QJ380); flow rate fertilizer outlet (QJ380F) is 4.5 GPM (17.0 LPM) at 5 PSI (0.34 bar) pressure drop with maximum operating pressure of 150 PSI (10 bar).

Part	Description
AG428751	QJ380 3-Way 3/4" Nozzle Body
AG428752	QJ380 3-Way 1" Nozzle Body
AG428753	QJ380F 3+1-Way 3/4" Nozzle Body
AG428754	QJ380F 3+1-Way 1" Nozzle Body

Hi-Flow Nozzle Body Adapter Insert



- Reduces 11/16" (17.5mm) wet boom inlet hole to 3/8" (9.5mm)
- Allows QJ380 nozzle body to be used in place of non-TeeJet high-flow wet boom nozzle bodies

Part	Description
AG428906	Hi-Flow Nozzle Body Adapter Insert

Model 360C Multiple-Nozzle Bodies for Dry Booms



Part	Description
AG054668	3 Nozzle 1/2" Tee
AG054660	3 Nozzle 3/4" Elbow
AG054669	3 Nozzle 3/4" Tee
AG054661	3 Nozzle 1" Elbow
AG054670	3 Nozzle 1" Tee
AG054671	4 Nozzle 1/2" Tee
AG054663	4 Nozzle 3/4" Elbow
AG054672	4 Nozzle 3/4" Tee
AG054674	5 Nozzle 1/2" Tee
AG054666	5 Nozzle 3/4" Elbow
AG054675	5 Nozzle 3/4" Tee

Model 360C Replacement Parts

Note: *On 2004 and newer bodies, item number 7 has been replaced with one AG426044 O-ring and one AG426045 seal FKM.*

Ref	Part	Description
1	AG058112	Screw
2	AG058114	Clamp - Upper 3/4" Wet/Dry
2	AG058115	Clamp - Upper 1" Wet
3	AG051241	O-ring - FKM
3	AG050168	O-ring - Buna
5	6633638	Diaphragm - EPDM
5	AG009057	Diaphragm - FKM
6	AG006553	Cap 10 PSI - Black
7	AG057830	Seal - FKM
8	AG054635	Turret - 3 Nozzle
8	AG054636	Turret - 4 Nozzle
9	AG054799	Clip
10	AG054639	O-ring EPDM
11	AG057965	O-ring EPDM
11	AG057883	O-ring FKM
12	AG054641	Plug
13	AG054653	Hose Shank Elbow 1/2"
13	AG054654	Hose Shank Elbow 3/4"
13	AG054655	Hose Shank Elbow 1"
14	AG054656	Hose Shank Double 1/2"
14	AG054657	Hose Shank Double 3/4"
14	AG054658	Hose Shank Double 1"
15	AG426381	3/4" HB x 1/2" NPT

Model 370 Multiple-Nozzle Bodies for Dry Booms



Notes: HB = Hose Barb. Hose barb orientation is determined with turret facing viewer.

Part	Description
AG429044	3 Nozzle, 1/2" HB, Elbow Left
AG429045	3 Nozzle, 3/4" HB, Elbow Left
AG429046	3 Nozzle, 1" HB, Elbow Left
AG429047	3 Nozzle, 1/2" HB, Elbow Right
AG429048	3 Nozzle, 3/4" HB, Elbow Right
AG429049	3 Nozzle, 1" HB, Elbow Right
AG429050	3 Nozzle, 1/2" HB, Tee
AG429051	3 Nozzle, 3/4" HB, Tee
AG429052	3 Nozzle, 1" HB, Tee
AG429053	5 Nozzle, 1/2" HB, Elbow Left
AG429054	5 Nozzle, 3/4" HB, Elbow Left
AG429055	5 Nozzle, 1" HB, Elbow Left
AG429056	5 Nozzle, 1/2" HB, Elbow Right
AG429057	5 Nozzle, 3/4" HB, Elbow Right
AG429058	5 Nozzle, 1" HB, Elbow Right
AG429059	5 Nozzle, 1/2" HB, Tee
AG429060	5 Nozzle, 3/4" HB, Tee
AG429061	5 Nozzle, 1" HB, Tee



Model QJ380 High-Flow Nozzle Bodies

High-capacity nozzle bodies with larger inner-diameter sizing to help raise flow rate —available for both 3/4" and 1" pipe.

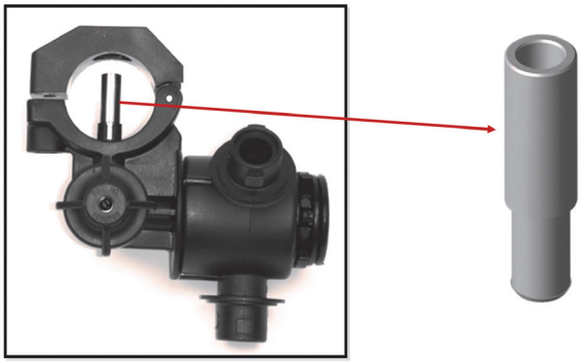
- Maximum operating pressure of 150 PSI
- Includes high-capacity ChemSaver® check valve for drip-free shutoff. (Diaphragm opens at 12 PSI [0.8 bar].)
- 3.0 GPM flow rate (4.5 GPM flow rate for fertilizer outlet [QJ380F].)

Part	Description
AG428751	3 Nozzle 3/4"
AG428752	3 Nozzle 1"
AG428753	3+1 (Fertilizer) 3/4"
AG428754	3+1 (Fertilizer) 1"

TeeJet Rapid Stop

Nozzle body inlet adapter for wet boom nozzle bodies.

- Stainless steel inlet adapter for 1" and 3/4" QJ360C series wet boom nozzle bodies.
- Extends height of nozzle body inlet tube to evacuate air trapped in the spray boom.
- Reduces boom shutoff times and improves start-up times.
- Secure attachment with no tools, seals, or fasteners required.
- Compatible with existing or new TeeJet QJ360C nozzles bodies only.
- Installing 1-2 Rapid Stops per boom section can dramatically improve shutoff time.
- Flow rate is 2.25 GPM (8.5 LPM) @ 5 PSI (.34 bar) pressure drop.
- Flow rate is 3.18 GPM (12.0 LPM) @ 10 PSI (.69 bar) pressure drop.



Part	Description
AG428628	Rapid Stop for 1" QJ360C Wet Boom Nozzle Body
AG428629	Rapid Stop for 3/4" QJ360C Wet Boom Nozzle Body

Nozzle Body QC360 FKM



Features:

- Quick hand indexing with choice of three, four, or five outlets
- Allows for rapid change of spray tips with the use of quick TeeJet caps
- Positive shutoff between each spray position
- Body designed to fit into standard cam-lock-style quick couplers
- Locating nib keeps body properly oriented in cam-lock fitting
- Body assembly can be inserted in place of QCK and QCTF FloodJet tips to allow for use of smaller capacity spray tips
- Allows for rapid changeover from high-volume fertilizer applications to lower-volume pesticide applications
- Made of corrosion-resistant materials
- O-rings made of FKM
- Maximum operating pressure of 300 PSI
- Flow rate 2.25 GPM with a 5 PSI pressure drop
- If turret becomes difficult to turn, remove e-clip, slide turret off body, and lubricate O-rings and seal with a silicone-based lubricant

Part	Description
AG426499	Nozzle Body QC-363-NYB-VI
AG426500	Nozzle Body QC-364-NYB-VI
AG426501	Nozzle Body QC-365-NYB-VI

TeeJet 360 Nozzle Bodies with Fertilizer Outlet



TeeJet's QJ360F nozzle body features a multiple 360° turret body with an additional fertilizer outlet. Flow rates are 2.25 GPM with 5 PSI pressure drop through turret and 3.4 GPM with 5 PSI pressure drop through fertilizer outlet.

Features:

- Quick hand indexing
- Hinged upper clamp and single screw reduce assembly time
- Positive shutoff between each spray position
- Maximum operating pressure of 300 PSI
- Clamps on 1" pipe

Part	Description
AG726298	Nozzle Body Turret - 3 + 1 Fertilizer
AG726299	Nozzle Body Turret - 4 + 1 Fertilizer
AG726300	Nozzle Body Turret - 5 + 1 Fertilizer

Triple Nozzles for Wet Booms

QuickTeeJet® SYSTEM



Quick TeeJet triple nozzles feature quick hand indexing for a choice of three different spray tips or application rates. A diaphragm check valve delivers drip-free positive shutoff. They are made of corrosion-resistant materials, nylon, Celcon®, and stainless steel. Both models feature the quick-change nozzle cap system, which permits exact nozzle alignment and fast and easy tip replacement. The maximum operating pressure is 150 PSI for the wet boom style and 125 PSI on the dry boom model.

Notes: *For correct nozzle alignment, check valve must be located parallel with boom for both wet- and dry-type triple nozzles. Triple nozzle has a maximum flow rate of 1.5 GPM with 5 PSI pressure drop.*

Part	Description
AG050868	Triple Nozzle 1/2"
AG051344	Triple Nozzle 3/4"
AG052250	Triple Nozzle 1" (No Bolt Hole in Upper Clamp)

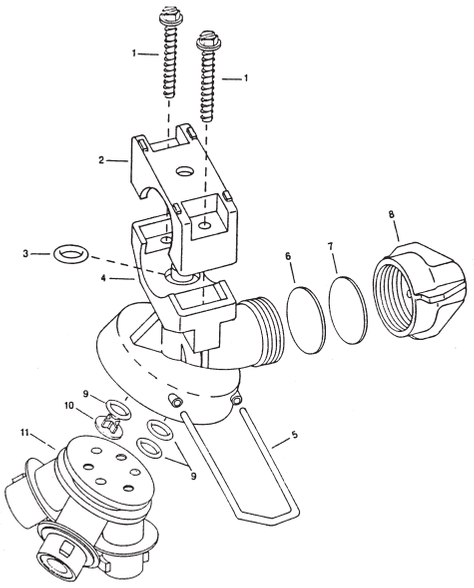


GatorGuide

Always replace caps and gaskets when you replace your spray nozzles. This will reduce the risk of future leaks and save you money on wasted chemicals.

Replacement Parts for Wet Booms

Note: **Optional items.*



Ref	Part	Description
1	AG052251	Screw 1"
2	AG052254	Upper Clamp 3/4"
2	AG052253	Upper Clamp 1" (No Bolt Hole)
3	AG050168	O-ring - Buna
4	AG052256	Body 3/4"
4	AG052258	Body 1"
5	AG051869	Clip
6	AG001739	Diaphragm, Teflon®*
7	6633638	Diaphragm - EPDM
7	AG009057	Diaphragm - FKM
8	AG006553	Cap 10 PSI - Black
9	AG051873	O-ring EPDM (3 Required)
10	AG051871	Indexing Button
11	AG051872	Indexing Plate

Quick TeeJet Triple Nozzles for Dry Booms

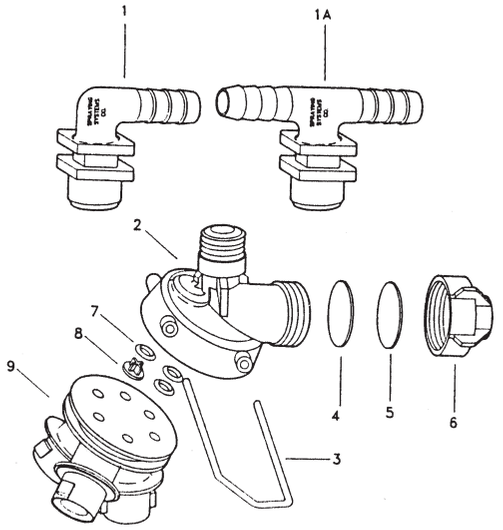


Quick TeeJet triple nozzles features quick hand indexing for a choice of three different spray tips or application rates. A diaphragm check valve delivers drip-free positive shutoff.

Part	Description
AG051705	1/2" Single Hose Connection
AG051706	1/2" Double Hose Connection
AG051707	3/4" Single Hose Connection
AG051704	3/4" Double Hose Connection

Replacement Parts for Dry Booms

Note: **Optional items.*



Ref	Part	Description
	AG052249	Replacement Body Assembly
1	AG051864	Shank, 1/2" Single
1	AG051865	Shank, 3/4" Single
1A	AG051866	Shank, 1/2" Double
1A	AG051867	Shank, 3/4" Double
2	AG051868	Main Body
3	AG051869	Clip
4	AG001739	Diaphragm, Teflon®*
5	6633638	Diaphragm - EPDM
5	AG009057	Diaphragm - FKM
6	AG006553	Cap 10 PSI - Black
7	AG051873	O-ring EPDM (3 Required)
8	AG051871	Indexing Button
9	AG051872	Indexing Plate

AGCO Dry Boom Triple Nozzles

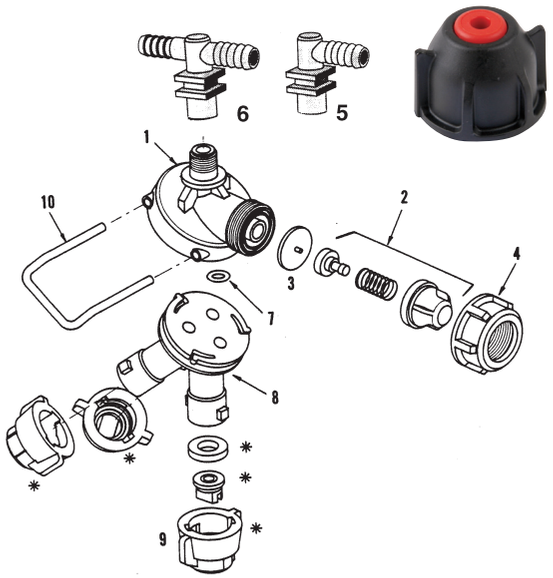


All-nylon construction for corrosion resistance, the triple nozzle allows for fast and easy selection of three spray tips. The smooth rotation of the triple-nozzle body in selecting a tip is achieved by a balanced single-O-ring design. A diaphragm check valve provides no-drop shut-off at 8 PSI.

Part	Description
AG051705	1/2" Hose, Single Connection
AG053269	1/2" Hose, Double Connection
AG053271	3/4" Hose, Single Connection
AG053268	3/4" Hose, Double Connection

Component Parts for AGCO Dry Boom Triple Nozzle

Notes: *Ref. #2 diaphragm check valve (DCV) includes flynut, housing, and spring (#2 and #4). Diaphragm (#3) sold separately. Red housing indicates for use with EPDM seals. Green housing indicates for use with FKM seals. Limited supply of Ref. #4 available.*



Ref	Part	Description
2	AG334226	DCV 4 PSI EPDM
2	AG334227	DCV 4 PSI FKM
2	AG334228	DCV 8 PSI EPDM
2	AG334229	DCV 8 PSI FKM
2	AG334230	DCV 12 PSI EPDM
2	AG334231	DCV 12 PSI FKM
2	AG427072	DCV 20 PSI EPDM
2	AG427073	DCV 20 PSI FKM
2	AG427074	DCV 25 PSI EPDM
2	AG427075	DCV 25 PSI FKM
3	AG609738	Diaphragm - EPDM
3	AG053265	Diaphragm - FKM
4	AG609739	End Cap (Old Style)
5	AG051864	Shank, 1/2" Single
5	AG051865	Shank, 3/4" Single
6	AG051866	Shank, 1/2" Double
6	AG051867	Shank, 3/4" Double
7	AG609918	O-ring EPDM
10	AG609745	Pin

Vari-Space Boom Clamps, Quick TeeJet



Part	Description
AG006317	1/2" Pipe
AG006318	3/4" Pipe
AG006262	1" Pipe
AG006552	1-1/4" Pipe
AG007632	3/4" Square
AG006319	1" Square
AG006320	1-1/4" Square
AG007434	1-1/2" Square
AG055371	1-1/4" Square Stainless Steel
AG055372	1-1/2" Square Stainless Steel

AGCO Wet Boom Triple Nozzles



All-nylon construction for corrosion resistance, these triple nozzles allow for fast and easy selection of three spray tips. The triple-nozzle body rotates smoothly on a balanced single-O-ring seal design, and an 8 PSI diaphragm check valve provides positive no-drip shutoff. Clamps fit 1/2", 3/4", and 1" wet booms and a 3/8" hole is required at each nozzle location. Use with quick-change color-coded caps. Flow rate: 2 GPM at 40 PSI and 4 PSI pressure drop.

Part	Description
AG429920	3/4" Pipe
574222D1	1" Pipe

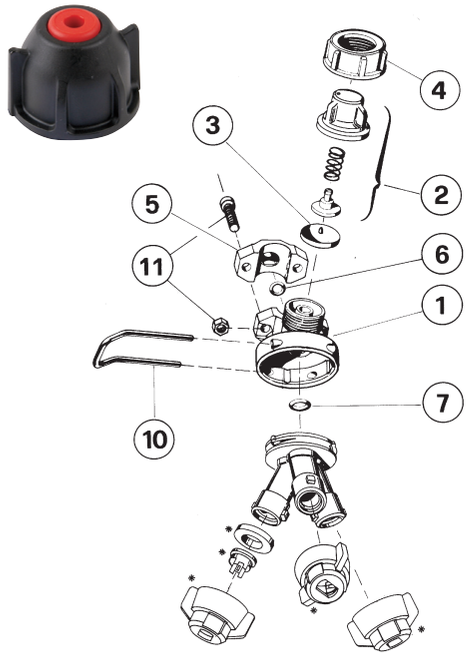
Polypropylene Wet Boom Triple Nozzles

For acidic solutions.

Part	Description
AG051344	Poly 3/4" Pipe

Component Parts for AGCO Wet Boom Triple Nozzle

Notes: *Ref. #2 diaphragm check valve (DCV) includes flynut, housing, and spring (#2 and #4). Diaphragm (#3) sold separately. Red housing indicates for use with EPDM seals. Green housing indicates for use with FKM seals. Limited supply of Ref. #4 available.*



Ref	Part	Description
2	AG334226	DCV 4 PSI EPDM
2	AG334227	DCV 4 PSI FKM
2	AG334228	DCV 8 PSI EPDM
2	AG334229	DCV 8 PSI FKM
2	AG334230	DCV 12 PSI EPDM
2	AG334231	DCV 12 PSI FKM
2	AG427072	DCV 20 PSI EPDM
2	AG427073	DCV 20 PSI FKM
2	AG427074	DCV 25 PSI EPDM
2	AG427075	DCV 25 PSI FKM
3	AG609738	Diaphragm - EPDM
3	AG053265	Diaphragm - FKM
4	AG609739	End Cap (Old Style)
5	AG609748	Clamp Top 3/4"
5	AG520077	Clamp Top 1"
6	AG334223	O-ring for 3/4 or 1" Clamp
7	AG609918	O-ring EPDM
10		Pin
11	AG563096	Screw 10-24 x.75 Stainless Steel
	AG563095	Nut 10-24 Stainless Steel

AGCO Nozzle Body



AGCO nozzle bodies have the highest flow rates in the industry, with spraying capacity up to 7 GPM at 40 PSI back pressure. This allows you to move through the fields faster and still get the coverage you expect from a quality AGCO product. AGCO nozzle bodies have replaced the ARAG nozzle bodies used on Ag-Chem machines in 2008.

Note: *Comes standard with an 8 PSI diaphragm check valve.*

Part	Description
ACX2709020	Nozzle Body 1" 5 Outlet EPDM
AG429830	Nozzle Body 1" 5 Outlet EPDM Left-Hand
532468D1	Nozzle Body 3/4" 3 Outlet EPDM
AG427046	Nozzle Body 3/4" 5 Outlet EPDM
558674D1	Nozzle Body 1" 3 Outlet EPDM
558488D1	Seal Kit, EPDM
558489D1	Seal Kit, FKM
565193D1	Stem Seal Kit with Hardware, EPDM
565194D1	Stem Seal Kit with Hardware, FKM
ACX4002500	RH Nozzle Body 5 Outlet with ProStop-E Valve
ACX4002510	LH Nozzle Body 5 Outlet with ProStop-E Valve

Blanks for Wet Booms PENTAIR HYPRO



Used to seal 3/8" hole in wet boom pipe when nozzle assembly is not required. Use poly for acid solutions.

Part	Description
ACP0594900	3/4" Poly Nozzle Body*
AG520077	1" Poly

** Will also need to order Blanking Cap ACP0594910 along with this clamp.*

Quick TeeJet Split Eyelet



Made of corrosion-resistant nylon. Clamps to fit 1/2", 3/4", and 1" pipes. Nozzle caps sold separately.

Part	Description
AG007639	1/2" Pipe
AG006679	3/4" Pipe
AG007638	1" Pipe

45° Quick TeeJet Nozzle Body



Ideal for use with FullJet® and FloodJet® tips to optimize uniformity of spray distribution. 1/4" (M) NPT inlet.

Part	Description
AG051113	45° Nozzle Body

Quick TeeJet Nozzle Body



Nylon body has 1/4" (M) NPT threads. Cap and cap gasket sold separately.

Part	Description
AG006062	1/4" (M) Thread

45° Nozzle Adapter



1/4" NPT x 11/16" NPT.

Part	Description
AG050299	45° Adapter

Quick TeeJet Nozzle Body



Part	Description
AG006439	Body with 11/16" (F) Inlet
AG050298	Body with 1/4" (F) Inlet
AG007515	Gasket, Replacement

QuickJet Caps



QJ90 caps have Quick TeeJet lugs on the outlet to allow for easy attachment of flooding-type nozzles.

Part	Description
AG427265	90° Cap, Single Outlet with Lugs
AG426170	90° Cap, Dual Outlets with Lugs
AG056979	90° Cap, Single Outlet with 1/4" Female Threads
AG057297	45° Cap, Single Outlet with 1/4" Female Threads

QuickJet Extension



- For use with Quick TeeJet nozzle bodies to extend body length by 1"
- Used to eliminate interference of spray pattern with sprayer boom structure or shields, particularly with twin pattern or fertilizer spray tips
- Nylon body construction with EPDM gasket
- Max operating pressure of 300 PSI

Part	Description
AG426179	1" Extension

Quick TeeJet Shutoff Cap



Used to shut off individual nozzles and change spacings.

Part	Description
ACP0484750	Cap with Gasket

Quick TeeJet Adapter



Part	Description
AG051348	Adapter with 1/8" (F) NPT
AG006902	Adapter with 1/4" (F) NPT

Quick TeeJet Caps—Gaskets Only

The quick-change caps are designed with grooves to fit the locating lugs on the nozzle body. Caps are made of nylon and colored for easy identification. Caps include EPDM gaskets.

Notes: *For pressures to 300 PSI. Seat gaskets are EPDM standard.*

Part	Description
AG006063	Replacement Gasket, EPDM
6649521	Gasket, FKM

TeeJet Caps for HARDI Nozzle Bodies

These caps will work with TeeJet tips on HARDI nozzle bodies.



The 21398H will work with:

- TJ TwinJet
- SJ-3 StreamJet
- TTI Turbo TeeJet Induction
- AI TeeJet and AIUB TeeJet
- DG TwinJet



The 23306H will work with TeeJet Flat Spray Tips:

- Standard -0067 through -08
- AIXR
- TT
- Turbo TwinJet
- XR -01 through -08
- DG
- OC -01 through -08

Part	Description
AG426559	21398H Cap and Gasket - Black
AG426560	21398H Cap and Gasket - White
AG053853	21398H Cap and Gasket - Red
AG054013	21398H Cap and Gasket - Blue
AG426561	21398H Cap and Gasket - Green
AG058013	21398H Cap and Gasket - Yellow
AG426562	21398H Cap and Gasket - Brown
AG426563	21398H Cap and Gasket - Orange
AG054862	23306H Cap and Gasket - Black
AG426564	23306H Cap and Gasket - White
AG055596	23306H Cap and Gasket - Red
AG717889	23306H Cap and Gasket - Blue
AG426565	23306H Cap and Gasket - Brown
AG426566	23306H Cap and Gasket - Orange
AG050807	Gasket Only

Hypro® to HARDI Adapter

PENTAIR HYPRO



This adapter will allow the use of Hypro caps or FastCaps on a HARDI nozzle body.

Note: *Package Qty = 10.*

Part	Description
AG426079	Adapter HARDI Nozzle Body to Hypro Cap or FastCap

TeeJet to HARDI Adapter



55240-CELR

- Converts Hardi® snap-fit nozzle body connection to Quick TeeJet connection for easy installation of TeeJet tips. Especially useful for AIC, XRC and SJ7 tips.
- Acetal construction with EPDM gasket for durability and chemical resistance.
- Accepts standard tip strainers.
- Maximum operating pressure of 150 PSI (10 bar).

Part	Description
AG426079	HARDI QJ Adapter
AG430374	Hardi Combo-Jet to TeeJet QJ Adapter

Caps—VisiFlo® FloodJet Caps



Caps have groove for locating nib found on VisiFlo FloodJet tips. Provides for exact spray alignment. Also fits Turbo FloodJets.

Part	Description
AG055224	Black with Gasket
AG055223	White with Gasket
AG055222	Red with Gasket
AG055221	Blue with Gasket
AG055220	Green with Gasket
AG055219	Yellow with Gasket
AG055218	Brown with Gasket
AG055217	Orange with Gasket
AG006063	Replacement Gasket, EPDM
6649521	Gasket, FKM

Celcon Caps—For TeeJet Flat Spray Tips (Smaller Capacities)



- LP (Brass) 01-04
- LP (Stainless Steel) 01-05
- XR 01-08
- DG 015-05
- Turbo TeeJet

Part	Description
ACP0484450	Nozzle Cap with Gasket - Black
ACP0484460	Nozzle Cap with Gasket - White
ACP0484470	Nozzle Cap with Gasket - Red
ACP0484480	Nozzle Cap with Gasket - Blue
ACP0484490	Nozzle Cap with Gasket - Green
ACP0484500	Nozzle Cap with Gasket - Yellow
ACP0484510	Nozzle Cap with Gasket - Brown
ACP0484520	Nozzle Cap with Gasket - Orange
ACP0484530	Nozzle Cap with Gasket - Gray
ACP0484540	Nozzle Cap with Gasket - Violet
AG006063	Replacement Gasket, EPDM
6649521	Gasket, FKM
ACP0484760	Quick TeeJet Celcon Cap Only - Black
ACP0484770	Quick TeeJet Celcon Cap Only - White
ACP0484780	Quick TeeJet Celcon Cap Only - Red
ACP0484790	Quick TeeJet Celcon Cap Only - Blue
ACP0484800	Quick TeeJet Celcon Cap Only - Green
ACP0484810	Quick TeeJet Celcon Cap Only - Yellow
ACP0484820	Quick TeeJet Celcon Cap Only - Brown
ACP0484830	Quick TeeJet Celcon Cap Only - Orange
ACP0484840	Quick TeeJet Celcon Cap Only - Gray
ACP0484850	Quick TeeJet Celcon Cap Only - Violet

Caps—For TeeJet Flat Spray Tips (Larger Capacities)



- Standard 10-20
- LP (Brass) 05-20
- LP (Stainless Steel) 06-20
- XR 10-15

Part	Description
AG055180	Black with Gasket
AG055212	White with Gasket
AG055211	Red with Gasket
AG055210	Blue with Gasket
AG055209	Green with Gasket
AG055208	Yellow with Gasket
AG055207	Brown with Gasket
AG055206	Orange with Gasket
AG006063	Replacement Gasket, EPDM
6649521	Gasket, FKM

Quick TeeJet® Caps for Hardi Nozzle Bodies

Color Code

1	2	3	4	5	6	7	8
Black	White	Red	Blue	Green	Yellow	Brown	Orange

Ordering Information

QUICK TEEJET CAPS	PART NUMBER: QUICK TEEJET CAP ONLY	PART NUMBER: QUICK TEEJET CAP & SEAT GASKET SET	FOR USE WITH FLAT SPRAY TIPS 150 PSI (10 BAR) MAXIMUM PRESSURE
	CP21399-*-CE	21398H-*-CELR	TJ TwinJet®  AI TeeJet® & AIUB TeeJet®  SJ-3 StreamJet®  DG TwinJet®  Turbo TeeJet® Induction 
	CP23307-*-CE	23306H-*-CELR	TeeJet Flat Spray Tips (Smaller Capacities)  Standard −0067 Thru −08  XR −01 Thru −08  AIXR TeeJet®  DG TeeJet®  TT  OC TeeJet® −01 Thru −08  Turbo TwinJet®

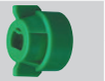
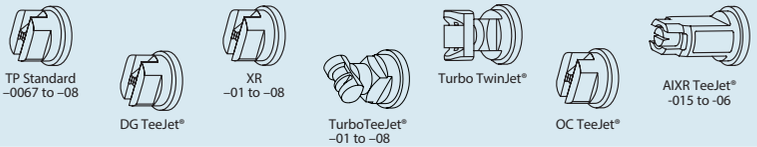
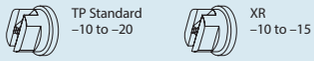
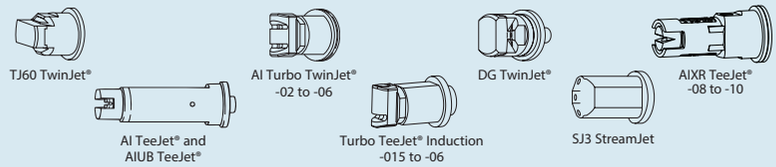
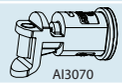
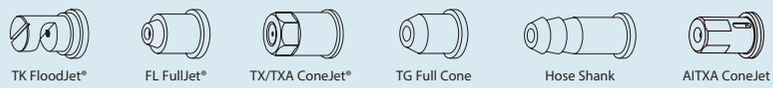
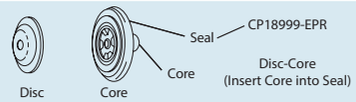
Note: When using TeeJet tip strainer, use CP26227 gasket in place of CP23308 gasket.

Quick TeeJet® Caps

Ordering Information

Color Code

1	2	3	4	5	6	7	8	9	10	11	12	13
Black	White	Red	Blue	Green	Yellow	Brown	Orange	Gray	Violet[3]	Lt. Blue[4]	Telemagenta[5]	Lt. Green[5]

QUICK TEEJET CAPS	PART NUMBER		FOR USE WITH FLAT SPRAY TIPS 300 PSI (20 bar) MAXIMUM PRESSURE
	QUICK TEEJET CAP ONLY	QUICK TEEJET CAP & SEAT GASKET SET	
	CP114440A-*-CE	114441A-*-CELR 114441-*-CELVI	**TeeJet® Flat Spray Tips** (Smaller Capacities) 
	CP25611-*-NY	25612-*-NYR	
	CP25611-9-PP[1]	25612-9-PP[1]	
	CP25609-*-NY	25610-*-NYR	**TeeJet Flat Spray Tips** (Larger Capacities) 
	CP114442A-*-CE	114443A-*-CELR 114443-*-CELVI	
	CP25597-*-NY	25598-*-NYR	
	CP114501-*-CE[6]	114502-*-CELR[6] 114502-*-CELVI[6]	
	CP98578-1-NY[2]	98579-1-NYR[2]	
	CP25595-*-NY	25596-*-NYR	**TeeJet Flat Spray Tips** (Smaller Capacities) Tips can be positioned in choice of two spray plane directions—parallel or perpendicular to wings of Quick TeeJet cap.
	CP25599-*-NY	25600-*-NYR	
	CP114444A-*-CE	114445A-*-CELR 114445-*-CELVI	
	CP25607-*-NY	25608-*-NYR	
	CP25607-9-PP[1]	25608-9-PP[1]	
	CP25607-*-NY	—	
	CP26277-1-NY[2]	26278-1-NYR[2]	
	CP114395-1-NYB[2]	114396-1-NYR[2]	 114396-1-NYR includes gasket and O-Ring (CP7717-M10.5x1.5-VI)

*Specify color code (see chart). [1] These caps only available in gray and rated to 150 psi (10 bar). [2] These caps only available in black.
[3] Color available in CP25597, CP25611, CP114440, CP114442 and CP114444 caps. [4] Color available in CP114440, CP114442 and CP114501 caps.
[5] Color available in CP114501 cap. [6] This cap offered in Black, White, Light Green, Light Blue and Telemagenta only.

Celcon Caps—TwinJet® Spray Tips



Part	Description
ACP0484550	Nozzle Cap with Gasket - Black
ACP0484560	Nozzle Cap with Gasket - White
ACP0484570	Nozzle Cap with Gasket - Red
ACP0484580	Nozzle Cap with Gasket - Blue
ACP0484590	Nozzle Cap with Gasket - Green
ACP0484600	Nozzle Cap with Gasket - Yellow
ACP0484610	Nozzle Cap with Gasket - Brown
ACP0484620	Nozzle Cap with Gasket - Orange
ACP0484630	Nozzle Cap with Gasket - Gray
ACP0484640	Nozzle Cap with Gasket - Violet
AG006063	Replacement Gasket, EPDM
6649521	Gasket, FKM
ACP0484870	Quick TeeJet Celcon Cap Only - White
ACP0484880	Quick TeeJet Celcon Cap Only - Red
ACP0484890	Quick TeeJet Celcon Cap Only - Blue
ACP0484910	Quick TeeJet Celcon Cap Only - Yellow
ACP0484930	Quick TeeJet Celcon Cap Only - Orange
ACP0484940	Quick TeeJet Celcon Cap Only - Gray
ACP0484950	Quick TeeJet Celcon Cap Only - Violet

Celcon Caps—Type TX, TG (Through -5), TG-W, FL, and TK Tips, Brass or Stainless Steel



Notes: **For use with metal disc and core combinations.*
***For use with ceramic disc and core combinations.*

Part	Description
ACP0484650	Black with Gasket
ACP0484660	White with Gasket
ACP0484670	Red with Gasket
ACP0484680	Blue with Gasket
ACP0484690	Green with Gasket
ACP0484700	Yellow with Gasket
ACP0484710	Brown with Gasket
ACP0484720	Orange with Gasket
ACP0484730	Gray with Gasket
ACP0484740	Violet with Gasket
AG008922	Gasket Only *
AG055227	Cap and Gasket **
ACP0484970	Quick TeeJet Celcon Cap Only - White
ACP0484980	Quick TeeJet Celcon Cap Only - Red
ACP0484990	Quick TeeJet Celcon Cap Only - Blue
ACP0485000	Quick TeeJet Celcon Cap Only - Green
ACP0485010	Quick TeeJet Celcon Cap Only - Yellow
ACP0485020	Quick TeeJet Celcon Cap Only - Brown
ACP0485030	Quick TeeJet Celcon Cap Only - Orange
ACP0485040	Quick TeeJet Celcon Cap Only - Gray
ACP0485050	Quick TeeJet Celcon Cap Only - Violet

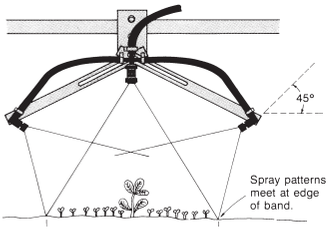
Gaskets Only



Note: *Split gasket used with CP4916 flow regulators and discs and cores.*

Part	Description
AG006063	Replacement Gasket, EPDM
6649521	Gasket, FKM
AG008922	Split Gasket, EPDM

Row Application Kit



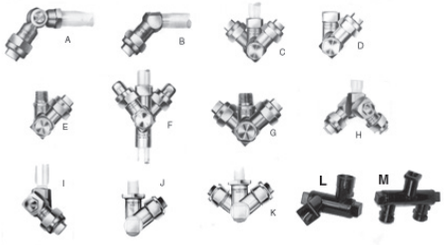
The #AG050146 adjustable row application kit is designed to apply post-emergence chemicals over crop rows.

Features:

- Arms adjustable for length and angle without removing bolts; simply loosen
- Positioning one arm at proper angle automatically sets correct angle of second arm
- Fits square or round booms up to 1-1/2" diameter
- Kit includes standard and Quick TeeJet nozzle bodies
- Side nozzle bodies may be rotated
- Maximum pressure of 125 PSI
- Spray tips and strainers not included

Part	Description
AG050146	Row Application Kit

Swivel Spray Nozzles



Designed for use with tips employed with row crop spraying. Locknut holds swivel bodies firmly in position at selected spray angle—not affected by jarring or vibration. Part number shown is for swivel body assembly only. Order tips, strainers, and caps separately.

Part	Description
AG001640	(C) 4202-2-1/4 T
AG001693	(D) 5000-1/4 T
AG001698	(E) 5540-1/4 TT
AG001731	(F) 5932-2-1/4 T
AG007720	(G) 6240-1/4 TT
AG001808	(H) 7450-2T-1/4
AG001821	(I) 7620-T
AG001891	(J) 8600-1/4 T-NY
AG001892	(K) 8600-2-1/4 T-NY
AG007556	(L) Single Swivel Nylon
AG006801	(M) Double Swivel Nylon

Hose Drops



Designed to attach to your existing nozzle bodies. Flex-poly tubing has shape memory—it returns to its original position after meeting an obstruction. Compatible with standard nozzle bodies or the Quick TeeJet system. Available in 15" or 24" lengths.

Notes: *1/4" MPT outlet. Use AG050298 for QJ caps.*

Part	Description
AG007094	15" Standard Cap
AG007095	24" Standard Cap
AG007092	15" QuickJet Cap
AG007093	24" QuickJet Cap

Foam Collector



The purpose of a collector is to restrict the rate at which the foam marks are dispensed. This creates a larger mark that generally lasts longer in the field and is more visible.

Part	Description
AG705072	Collector Assembly with Screen, Black
AG054864	Collector Assembly with Screen, Orange
AG704705	Replacement Screen Only
AG053236	Collector Boot Assembly, Optional
AG053234	Replacement Sock Only

Split-Eyelet Nozzle



Mounting spray nozzles is fast and simple with split-eyelets. Just drill a 9/32" hole in the boom pipe where the nozzle is to be located, insert a split-eyelet inlet into the hole and tighten screws. Use with tips up to 5 GPM capacity. Clamps are zinc-plated steel.

Notes: *For pressures up to 250 PSI. For 1/2" pipe, 13/16" O.D. tubing, 7/8" O.D. tubing.*

Part	Description
AG001804	Nylon Body
AG050842	Brass Body

For 3/4" Pipe, 1" O.D. Tubing, 1-1/16" O.D. Tubing

Part	Description
AG001805	Brass Body

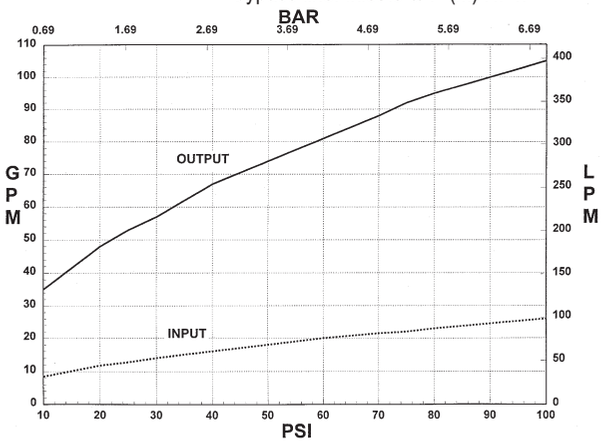
For 1" Pipe, 1-1/4" O.D. Tubing, 1-3/8" O.D. Tubing

Part	Description
AG005880	Brass Body

High-Volume Agitator



Glass-filled polypropylene Venturi-style agitator has snap-in interchangeable orifices. Output flow can be up to 5.5 times that of the inlet flow. Agitator must be fed by a separate line and not on the end of a relief valve or bypass line. Inlet is 3/4" (M) NPT.



Part	Description
AG056240	Venturi-Style Agitator

Calibration Container

10 to 60 ounces, 0.30 to 1.80 liters.



Part	Description
AG426502	68 oz. (2.0 L) Calibration Container
AG050313	5-Gallon Calibration Container

Banjo "Quik-Stop" Air-Actuated Shutoff Valves



"Quik-Stop" valves deliver positive no-drip nozzle shutoff. They are made of glass-filled polypropylene for superior chemical resistance and come standard with EPDM rubber seal (FKM optional). Large flow-through design resists clogging; ideal for fertilizer suspensions. "Quik-Stop" valves are easy to maintain and operate with air pressures from 60 PSI to 100 PSI. Maximum liquid pressure is 80 PSI. Available in 3/4" and 1" (F) NPT. Valves have two 1/4" NPT air inlets.

Part	Description
AG517857	3/4" x 3/4" EPDM
AG054383	3/4" x 3/4" FKM
AG517859	1" x 1" EPDM
AG054467	1" x 1" FKM
576401D1	1" x 3/4" EPDM
AG054350	1" x 3/4" FKM

Banjo Instant Alignment



Includes “Quik-Stop” and a 3/4" female coupler. The coupler features our patented tab-and-groove alignment system when using Accu-Switch nozzle adapters.

Part	Description
AG517856*	1" x 3/4" QC EPDM

*See Note in solutions to determine your desired part number

Replacement Components for Instant Alignment

Part	Description
576402D1	Body
AG609471	Seal, EPDM
AG609472	Seal, FKM
AG609475	End Plate 3/4"
AG609474	End Plate 1"
AG609473	End Coupler 3/4"
AG000747	Plug 1/4"
AG609477	O-ring Plug

AGCO “Quik-Stop” Valve—Seals and Seal Installation Tool

Part	Description
AG713739	Installation Tool
AG609471	EPDM Seals (12 ct)
79016935 *	Silicone Lube

*See Note in your order system before placing your order

TeeJet 55295 e-ChemSaver® Electric Solenoid Shutoff



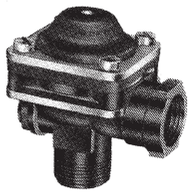
The 115880 e-ChemSaver is a solenoid-actuated shutoff compatible with a wide range of TeeJet nozzle bodies equipped with a diaphragm check valve. It can be used for end-of-boom nozzles as well as individual tip shutoff and PWM controls.

- Valve is normally closed and opens when solenoid is energized.
- Wetted materials include stainless steel and FKM.
- Use with most diaphragm check valve-equipped TeeJet nozzle bodies.
- 100 PSI (6.8 bar) maximum spraying pressure at minimum voltage (12V or 24V).
- 0.6 GPM (2.27 LPM) at 5 PSI (0.34 bar) pressure drop and 0.8 GPM (3.0 LPM) at 10 PSI (0.7 bar) pressure drop.
- 1/4-second response time.
- Offered in 12- or 24-volt DC version.
- Two-pin MetriPack connector molded into body for a clean, weather-tight electrical connection.

Note: *Nozzle body sold separately.*

Part	Description
AG428905	e-ChemSaver with 0.5m Cable 55295-2-12-05

Diaphragm Check Valve



Prevents nozzle drip and maintains pressure in boom line. Opens at 7 PSI. Up to 10 GPM for 3/4" and 7 GPM for 1/2" size. Not for use with thick suspensions.

Note: ** Valve repair kit includes FKM diaphragm and bonnet sub-assembly.*

Part	Description
AG001941	1/2" Valve
AG001942	3/4" Valve
AG001945	1/2" Body Only
AG001946	3/4" Body Only
AG001943	Diaphragm
AG001944	FKM Diaphragm
AG844598	Valve Repair Kit *

Diaphragm Check Valve



Prevents nozzle drip. Opens at 10 PSI with flow rate up to 2.25 GPM. 1/4" inlet made of Celcon® and polypropylene.

Part	Description
AG005077	Diaphragm Check Valve
AG001650	Fairprene Diaphragm
AG001651	FKM Diaphragm
AG001841	Body (Coarse Thread)

ChemSaver® Cap Assembly



The ChemSaver cap assembly has coarse threads and is less the diaphragm.

Part	Description
AG050128	Cap, 2 PSI - Yellow
AG428698	Cap, 5 PSI
AG051343	Cap, 8 PSI - Black
AG006553	Cap, 10 PSI - Black
AG426758	Cap, 15 PSI - Red
AG050578	Cap, 20 PSI - Black
6633638	Diaphragm - EPDM
AG009057	Diaphragm - FKM

Hose Shanks for Dry Booms with Diaphragm Check Valve—Single



Quick TeeJet® hose shanks are used to connect nozzles in a series on dry booms. Tips and strainers can be cleaned or replaced in seconds and changing nozzle spacing is quick and simple.

Part	Description
AG006311	3/8" Hose
AG006312	1/2" Hose
6652826	3/4" Hose

Double



Part	Description
AG006314	3/8" Hose
AG006315	1/2" Hose
6652827	3/4" Hose

Triple



Part	Description
AG007634	3/8" Hose
AG007633	1/2" Hose
6652828	3/4" Hose



TeeJet Top-Mount Check Valve—Double

Flow rate:
- 3.5 GPM at 5 PSI drop
- 4.9 GPM at 10 PSI drop

Part	Description
AG009639	3/8" Hose
AG009638	1/2" Hose
AG009431	3/4" Hose



TeeJet Top-Mount Check Valve—Single

Flow rate:
- 3.5 GPM at 5 PSI drop
- 4.9 GPM at 10 PSI drop

Part	Description
AG009641	3/8" Hose
AG009640	1/2" Hose
AG009432	3/4" Hose



Wet Boom Nozzle Assembly with Diaphragm Check Valve

PENTAIR HYPRO

For 3/4" and 1" pipe or tube. Requires 3/8" mounting hole. 8 PSI diaphragm shutoff. *For acid solutions, use polypropylene valve.

Part	Description
533521D1	3/4" Nylon
511621D1	1" Nylon

Nozzle Assemblies for Wet Booms —Quick TeeJet Split-Eyelet Diaphragm Check Valve

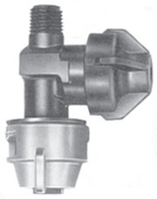
Quick TeeJet® SYSTEM



With Quick TeeJet nozzle assemblies, changing and cleaning plugged or worn spray tips and strainers is fast and easy. No tools necessary. Automatic self-alignment of flat spray patterns. Nozzle caps are color coded. Quick TeeJet split-eyelet diaphragm check valves have instant drip-free shutoff. Split clamps fit 1/2", 3/4", and 1" pipe. Opening pressure is 10 PSI while maximum operating pressure is 125 PSI. Made of durable nylon. Order colored cap and gasket separately.

Part	Description
AG727241	1/2" Pipe
AG727242	3/4" Pipe
AG727240	1" Pipe

Quick TeeJet Diaphragm Check Valve Type 8360



Nylon check valve has 1/4" (M) NPT inlet connection. Opens at 10 PSI and has maximum working pressure of 300 PSI. Cap sold separately.

Part	Description
AG006061	Type 8360

Quick TeeJet Diaphragm Check Valve Type 8355



Nylon check valve has the same features as type 8360. 1/4" or 1/8" (F) NPT inlet. Cap sold separately. Opens at 10 PSI and has maximum working pressure of 300 PSI.

Part	Description
AG006616	Check Valve 1/4" Inlet

Quick TeeJet Diaphragm Check Valve Type 8360T



Check valve is made of nylon and has 11/16"-16 (F) TeeJet thread.

Part	Description
AG007446	Type 8360T
AG007515	Gasket, Replacement

Nozzle Shanks



Nylon shanks replace nozzle tips for attaching hoses to nozzle body. Fits standard nozzle cap.

Part	Description
AG516115	1/4" Hose
AG001867	3/8" Hose
AG001868	1/2" Hose

Hose Shanks—Single



Hose shanks are used to connect nozzles in series on dry booms. Tips and strainers can be cleaned or replaced in seconds, and changing nozzle spacing is quick and simple.

Part	Description
AG006305	3/8" Hose
AG006306	1/2" Hose
AG006307	3/4" Hose

Hose Shanks—Double

QuickTeejet® SYSTEM



Part	Description
AG006308	3/8" Hose
AG006309	1/2" Hose
AG006310	3/4" Hose

Hose Shanks—Triple



Part	Description
AG007636	3/8" Hose
AG007635	1/2" Hose
AG006803	3/4" Hose

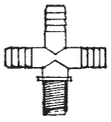
Nozzle Shanks—Straight

With jam nut.



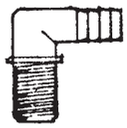
Part	Description
AG009078	3/8" Nylon
AG009079	1/2" Nylon
AG009080	3/4" Nylon

Crosses



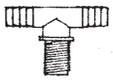
Part	Description
AG005705	3/8" Nylon
AG005706	1/2" Nylon

Elbows



Part	Description
AG001746	3/8" Brass
AG001839	3/8" Nylon
AG001894	1/2" Brass
AG001840	1/2" Nylon
AG560858	3/4" Nylon
AG005664	3/4" Nylon Stainless Steel
AG602906	1" Nylon Stainless Steel

Tees



Part	Description
AG001747	3/8" Brass
AG001837	3/8" Nylon
AG001895	1/2" Brass
AG001838	1/2" Nylon
AG560859	3/4" Nylon
AG005663	3/4" Nylon Stainless Steel
AG602914	1" Nylon Stainless Steel

Tee Connector With 1/4" Opening



Part	Description
AG006098	3/8" Nylon
AG001959	1/2" Nylon

3-Way Connector With 1/4" Opening



Part	Description
AG001960	1/2" Nylon

Elbow Connector With 1/4" Opening



Part	Description
AG007131	3/8" Nylon
AG002594	1/2" Nylon



Blue Spray Dye

Versatile, easy-to-use, non-toxic spray indicator.

Features:

- Addition as colorant for turf and ornamental applications.
- Field demonstration tool when highlighting the reduced time and product needed to prime RoGator C-Series LiquidLogic™ recirculating boom systems.
- Shows applicators where they have sprayed and will help avoid costly over-sprays and skips.
- Blue colorant dissipates quickly in wet and dry weather and mixes completely with water-soluble pesticides and fertilizers without affecting chemical efficacy.

Part	Description
ACP0436290	Blue Spray Dye, 32 oz.

AGCO Parts DEF



AGCO Parts DEF is a high-purity diesel exhaust fluid manufactured to ISO 22241 standards and certified as a diesel exhaust fluid by the American Petroleum Institute (API). AGCO Parts DEF enables the SCR systems of AGCO and other brands of diesel equipment to function flawlessly.

U.S. Part	Canada Part	Description
DEF2.5GALP	DEF2.5GLPC	DEF 2.5 Gal.
DEF-55DRUM	DEF55DRUMC	DEF 55 Gal.
DEF275TOTE	DEF275TOTC	DEF 275 Gal.
DEF330TOTE	DEF330TOTC	DEF 330 Gal.

AGCO MultiGuard® Engine Oil



AGCO MultiGuard engine oils are the genuine choice for AGCO and all other hard-working engines. With their premium base stocks and advanced additives, they keep engines clean and running strong in all operating conditions.

Part	Description
79035577B	AGCO Engine Oil 10W-30 CK-4 - 2.5 Gal.
79035578B	AGCO Engine Oil 10W-30 CK-4 - 5 Gal.
79034597B	AGCO Engine Oil 15W-40 CK-4 - 2.5 Gal.
79035353B	AGCO Engine Oil 15W-40 CK-4 - 5 Gal.

AGCO Gearlube® Lubricant



79034596 is recommended for use on 2011 RoGator drive systems.

Note: *Please contact your dealer for pricing.*

Part	Description
79034596B	AGCO SAE 75W-140 Full Synthetic Gear Lubricant - 2.5 Gal.
79022402B	AGCO SAE 80W-90 Gear Lubricant - 1 Qt.
79014722B	AGCO SAE 80W-90 Gear Lubricant - 2.5 Gal.

AGCO Permatran® 821XL



Permatran® 821XL transmission and hydraulic oil is designed and formulated with hydro-treated, premium base oils and an advanced, rigorously-tested additive system that delivers outstanding performance. Suitable for use in a wide range of agricultural hydraulic and transmission applications.

Note: *Please contact your dealer for pricing.*

Part	Description
79037106B	AGCO Permatran 821XL - 1 Qt. (0.946L)
79037107B	AGCO Permatran 821XL - 1 Gal. (3.78L)
79037108B	AGCO Permatran 821XL - 2.5 Gal. (9.46L)
79037109B	AGCO Permatran 821XL - 5 Gal. (18.9L)

Anti-Wear Hydraulic Oil AW 68 and 100



Anti-wear hydraulic oil is a premium-quality, low-zinc hydraulic oil. It has excellent stability and a balanced additive system that provides oxidation and thermal stability and demulsibility, along with anti-rust, anti-wear, and anti-foam characteristics. Anti-wear agents used in AGCO® hydraulic oil help minimize wear in high-speed, high-pressure vane and gear pumps while meeting the requirements of axial piston pumps. This oil is recommended for use on RoGator® applicator models 663, 664, 844, 864, 1054, 1064, 1254, 1254C, 1264 and 1264C, as well as other AGCO® equipment brands and models, and other general industrial equipment requiring an anti-wear hydraulic oil.

Ambient operating temperatures:

- 0°F-60°F use anti-wear hydraulic oil ISO 68
- 32°F-100°F use anti-wear hydraulic oil ISO 100

Note: *Please contact your dealer for pricing.*

Part	Description
79034469B	AGCO Hydraulic Oil AW ISO 68 - 5 Gal. (18.9L)
79022781B	AGCO Hydraulic Oil AW ISO 100 - 5 Gal. (18.9L)
79022782B	AGCO Hydraulic Oil AW ISO 100 - 55 Gal. (208L)

AgCam®

vision without limitations



AgCam Quad Monitor Camera Kits

7" or 9" LED backlit quad monitor with 4 camera inputs. Double camera kit with remote, A/C & 12V power adaptors, 2 each, AgCam Cameras, 20' & 60' power/video cables.



PN: AG-H9QC2P (9")

AgCam 9" Monitor Camera Kits

9" LED backlit quad monitor with 4 camera inputs. Single or double camera kit with remote, wall plug & 12V power adaptors, 1 each, AgCam Camera, 20' & 60' power/video cables.



PN: AG-H9C2P (2 cameras)
PN: AG-H9C1P (1 camera)

AgCam 7" Monitor Camera Kits

7" LED backlit monitor with 4 camera inputs. Single or double camera kit with remote, A/C & 12V power adaptors, 2 each, AgCam Cameras, 20' & 60' power/video cables.



PN: AG-H7C2P (2 cameras)
PN: AG-H7C1P (1 camera)

AgCam Camera & Cable Kits

Standard kits include 3.6mm lens camera with 20' & 60' power/video cables.

PN: AG-C1LP (3.6mm—92° field of view)



AgCam Cameras

Standard cameras include 3.6mm lens camera. Custom lens kits with choice of 6, 12 or 16mm cameras available.



PN: AG-LCP (3.6mm—92° field of view)
PN: AG-LC06P (6mm—53° field of view)
PN: AG-LC12P (12mm—22° field of view)
PN: AG-LC16P (16mm—15° field of view)

AgCam 9" Monitors

AgCam 9" LED backlit monitor with 4 camera inputs. Kit includes monitor, power/video harness, monitor stand, A/C & 12V power adaptors & monitor remote control.

PN: AG-H9Q (9" Quad monitor)
PN: AG-H9 (9" Standard)



AgCam 7" Monitors

AgCam 7" LED backlit monitor with 4 camera inputs. Kit includes monitor, power/video harness, monitor stand, A/C & 12V power adaptors & monitor remote control.

PN: AG-H7 (7" Standard)





Dakota Micro, Inc. is an American company that shares the values of American farmers and ranchers. Dakota Micro essentially created the demand for cameras in the agricultural industry and we pride ourselves on being the leaders in industrial camera technology. Dakota Micro offers products that are more reliable, more capable and, in the end, more profitable for you, our customers. We strive to always build the best product, provide the best support, and know customer demands and needs better than any other company in this market.

AgCam Wireless

Wireless Pair

Standard wireless pair allows for the transmission of a single video signal (2.4GHz). Kit includes one (1) each transmitter and receiver & two (2) each A/C power, 12V power, 3' RCA cables & 3dBi antennas.

PN: AC-RHPAIR



Wireless Pair w/ Waterproof Transmitter

Wireless pair allows for the transmission of a single video signal (2.4GHz). Kit includes one (1) each waterproof transmitter and receiver & two (2) each A/C power, 12V power, 3' RCA cables & 3dBi antennas.

PN: ACRHWPPAIR



Wireless Easy Switch Receiver

Receiver features large tactile dial for easy channel selection. Allows for the transmission of a single video signal on your choice of 4 channels (2.4GHz). Kit includes 1 each Easy Switch receiver, 3dBi antenna, A/C power, 12V power & 3' RCA cable.

PN: AC-RHES



5dBi Wireless Antenna

Magnetic-mount 5dBi omnidirectional antenna with 6' attached extension cable. Max. transmission distance 1-2 miles with line of sight. Also for OverView.

PN: DMAC-MA5



8dBi Directional Antenna

Panel-mount 8dBi directional antenna with 20' detachable extension cable. Max. transmission distance 1-2 miles with line of sight.

PN: ACWA8P



8dBi Omnidirectional Antenna

Vertical-mount 8dBi antenna with 20' detachable extension cable. Max. transmission distance 1-2 miles with line of sight. Also for OverView.

PN: ACWA8 (omnidirectional)
PN: ACWA8P (directional)



AgCam Adaptor Cables for Almost Any Monitor

AGCO Monitor Adaptor Cables

AgCam adaptor cables for factory-installed AGCO monitors.

PN: BUSB1-TC (C2100/C3000 monitor adaptor)
PN: AC-A1C (C1000 monitor adaptor)
PN: AC-A2C
(C2000 monitor adaptor)



Fendt Single Camera Adaptor

AgCam 5-pin female to Fendt VarioTerminal video adaptor. Allows for the input of one AgCam camera. REQUIRES the use of an AGCO AgCam (PAL) camera.

PN: DAC-FDT01



OverView to AgCam Adaptors

AgCam 5-pin connector to OverView/CabCam 4-pin. Allows for AgCam camera to be input into OverView or CabCam.

PN: DMAC-OVM
(AgCam camera to OverView Monitor)
PN: DMAC-OVC
(OverView camera to AgCam Monitor)



Case/NH Camera Adaptors

AgCam 5-pin female to BNC male with power. Adaptors available to allow for input of a single or 3 AgCams into AFS Pro & NH IntelliView monitors. Kit includes adaptor cable & 12V power.

PN: DMAC-CNH1 (1 camera)
PN: DMAC-CNH3
(3 cameras)



AgLeader Four Camera Adaptor

AgCam 5-pin/OverView 4-pin female to AgLeader video input connector. Allows for the input of 4 Cams into AgLeader Integra & Versa monitors.

PN: DMOV-ALI



Versatile Terminal Single Camera Adaptor

AgCam 5-pin female to Versatile Terminal allows for the input of a single AgCam camera.

PN: VER-WAC11



AgCam/OverView JD Camera Adaptor

AgCam female to John Deere terminals. Allows for the input of AgCam cameras.

PN: DMAC-JD3C
(2630 Greenstar 3 - 3 cameras)
PN: DMAC-JDCOC
(Command center - 1 camera)



AgCam Multi-Camera Extension Cable

AgCam 4-camera junction cable. Allows users to run 4 cameras on a single 16' cable.

PN: DMAC-JCT16



C2000 Monitor - 2 Camera Kit

AgCam power/video extension cables. Silicone-jacketed super flex cables are available in lengths of 10', 20', 30', 40', 50' & 60'.

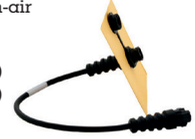
PN: ACEC10 (10')
PN: ACEC20 (20')
PN: DMAC-EC30 (30')
PN: ACEC40 (40')
PN: ACEC50 (50')
PN: ACEC60 (60')



AgCam Thru Tank/Cab Adaptors

AgCam 5-pin panel-mount female to AgCam 5-pin male. Panel-mount connector allows for through-cab or through-air tight tank mounting.

PN: ACACA1 (1' length)
PN: ACACA6 (6' length)



Trimble Single Camera Adaptor

AgCam 5-pin/OverView 4-pin female to Trimble Deutsch video connector. Allows for the input of a single AgCam camera into Trimble FmX (4 ports) & CFX 750 (2 ports) monitors.

PN: ACTRMBLFMX (AgCam)
PN: DMOVTRMFMX (OverView)



Don't see what your looking for?

Looking for an adaptor you don't see listed in this catalog? Be sure to check out our web site at www.agcoagcam.com for additional items. We're adding more all the time!

OVERVIEW
a new degree of vision

OverView 7" Single Camera Kit

7" LED backlit monitor with 3 camera inputs. Single camera kit includes one OverView camera, 12V power adaptor, one 20-meter power/video cable.

PN: DMOV-7M-C1



OverView 7" Double Camera Kit

7" LED backlit monitor with 3 camera inputs. Double camera kit includes two OverView cameras, 12V power adaptor, two 20-meter power/video cables.

PN: DMOV-7M-C2



OverView 7" Quad Monitor Double Camera Kit

7" LED backlit quad monitor with 4 camera inputs. Double camera kit includes two OverView cameras, 12V power adaptors, two 20-meter power/video cables.

PN: DMOV-7MQC2



OverView 7" Quad Monitor

7" LED backlit quad monitor with 4 camera inputs. Kit includes monitor remote, mounting bracket, 12V power adaptor & sun shield.

PN: DMOV-7MQ



OverView 7" Monitor

7" LED backlit quad monitor with 3 camera inputs. Kit includes monitor remote, mounting bracket, 12V power adaptor & sun shield.

PN: DMOV-7M



OverView Camera

OverView cameras include mounting bracket with semi-permanent magnetic mounts. OverView connects with any OverView or CabCam monitor.

PN: DMOV-RC



OverView Wireless Pair

Wireless pair includes 1 each: transmitter, receiver and 2 each of 3dBi antennas, 12V power adaptor, A/C power adaptor & 3' RCA cables.

PN: DMOV-RHTX
(Transmitter only)
PN: DMOV-RHRX
(Receiver only)
PN: DMOVRHPAIR



Case/NH Single Camera Adaptor

OverView 4-pin male to BNC male with power. Allows for input of a single OverView into AFS Pro & NH IntelliView monitors. Kit includes adaptor cable & 12V power.

PN: DMOV-CNH1



Case/NH Three Camera Adaptor

OverView 4-pin male to BNC male with power. Allows for input of up to 3 OverViews into AFS Pro & NH IntelliView monitors. Kit includes adaptor cable & 12V power.

PN: DMOV-CNH3



Trailer Connection Kit

OverView 4-pin single camera trailer connection kit includes two 25-meter power/video extension cables & one 1' coil (4' extended) connection cable.

PN: DMOV-1CTK



OverView Male Connector

Close-up image of OverView 4-pin male connector.



OverView Female Connector

Close-up image of OverView 4-pin female connector.



RV AntiFreeze 55-Gallon Drum

This antifreeze can be used when winterizing the liquid systems in application equipment, which will prevent liquid systems lines and fittings from freezing and becoming damaged. It is ideal for all types of potable water supply systems and waste lines. Completely drain all water lines and fill with RV AntiFreeze. For application equipment, spray throughout to ensure complete AntiFreeze fill. Do not dilute with water.

Features:

- Designed for use on all types of potable water supply systems, including applicators and sprayers
- Propylene glycol formulation

Note: *Please contact your dealer for pricing.*

Part	Description
79037043CB	AntiFreeze RV 55-Gallon Drum

Road Ranger



Synthetic lubricant recommended for Road Ranger transmissions. 10-speed units require 1-1/2 gallons while the 18-speed will use 3-1/2 gallons.

Note: *Four gallons per case.*

Part	Description
79034867B	Synthetic Oil

Engine Oil Analysis Kit



How to Use: Each time engine oil is changed, send an oil sample to Fleetgard. The sample is analyzed, results are stored on computer, and—usually within 24 hours—the test results are on their way to you. Reports include specific engine and equipment wear problems along with recommended maintenance action to be taken. Kits packaged 10 per case.

Part	Description
AG715992	Oil Analysis Kit

GatorGuide

Are your nozzles operating properly? Quickly and accurately check your spray tips using SpotOn® tools; calibration, pressure, spray pattern, coverage, maintenance and more! Check Nozzle Accessories for details.



RU8800 Half-Mask



The Honeywell North RU8800 Series is a silicone half mask compatible with the Honeywell North N-Series cartridges and filters. The half mask has a triple flange that provides three sealing surfaces between the mask and face for additional layers of protection against seal leaks. The RU8800 comes in two sizes: small and medium/large. Due to its unique design, the RU8800 fits a wide variety of facial types.

- When used with the appropriate filters, cartridges or filter/cartridge combinations, the Honeywell North RU8800 is an air-purifying respirator for protection from particulates, gases, or vapors, or any combination of particulates, gases, and vapors.
- The Honeywell North RU8800 is currently NIOSH approved as an air-purifying respirator (APR).
- Each cartridge/filter is designed for use with a specific contaminant(s) and must not be considered to provide protection from any contaminants other than the one for which the filter is intended; these respirators are not for use with fumigants or in atmospheres containing less than 19.5% oxygen.

Note: *For complete respirator, please order one mask, two cartridges, two filters and two retainers.*

Part	Description
ACP0564510	Half Mask - Small
ACP0564520	Half Mask - Medium/Large
ACP0564530	Filter, N95 - 2 Required (10 per Box)
ACP0564540	Retainer - 2 Required
ACP0564560	Cartridge Organic Vapor
ACP0564570	Cartridge Acid Gases
ACP0564580	Cartridge Organic Vapors Acid Gases
ACP0564590	Cartridge Mercury

RU6500 Full-Face Respirator



Reusable Honeywell North® RU6500 Series full facepiece respirator has a polycarbonate lens that provides a wide, distortion-free viewing area and optical clarity, and meets ANSI Z87 for high impact. Threaded cartridge connector helps avoid accidental disconnection of cartridges and filters. The silicone facepiece and seal provide all-day comfort and a secure fit.

Note: *For a complete system, order a mask, two filters, two retainers, and two cartridges.*

Part	Description
ACP0564650	Respirator Small
ACP0564660	Respirator, Medium
ACP0564670	Respirator, Large
ACP0564530	Filter - 2 Required
ACP0564540	Retainer - 2 Required
ACP0564560	Cartridge Organic
ACP0564570	Cartridge Acid Gases
ACP0564580	Cartridge Organic Vapors Acid Gases
ACP0564590	Cartridge Mercury
ACP0564550	Cartridge Ammonia

Aprons



Bib-type, vinyl plastic apron protects against light acids and caustics, greases, etc. Easily wipes clean. 12 mils thick, 36" wide x 44" long, cloth strap ties, semi-clear. Inexpensive and great for handling chemicals in the workshop.

Part	Description
AG050309	Apron

Gloves and Goggles



Our best anti-fog and scratch-resistant goggles.

Part	Description
AG054517	Goggles, (Clear and Vented)
AG008716	Rubber Gloves, X-Large
AG057747	Rubber Gloves, XX-Large
AG005274	NH_3 Gloves (Cloth Lined)
AG051317	Goggles (Clear and Non-Vented)



Disposable Coveralls

Lightweight, disposable coveralls are ideal for dirty jobs. Suits have zip front and attached hood. Disposable boots are also available.

Part	Description
AG709978	Coveralls, Large
AG709976	Coveralls, X-Large

Disposable Gloves



Surgical-type gloves provide protection from chemicals and a snug fit for better handling of small items such as nozzles and screens. Box contains 100 gloves.

Part	Description
AG054417	Disposable Gloves, Box of 100

Safety Tank



FDA-approved, 9-gallon, freshwater poly tank has a top recess with a hinged lid for storage of gloves, goggles, etc. A 3/4" spigot is also supplied. Molded-in inserts make mounting easy.

Part	Description
AG713677	Safety Tank

PVC Protective Suit

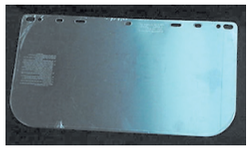


This three-piece PVC heavyweight suit will provide adequate protection in the event of a chemical splash. Jacket has detachable hood, snap-down storm front, take-up snaps on cuffs, underarm air vents; bib overalls with snap fly, elastic lead suspenders and take-up snaps on cuffs. Yellow in color. A quality suit at a great price!

Note: *Not for use with highly corrosive or dangerous solutions.*

Part	Description
AG710490	PVC Suit, Large
AG710491	PVC Suit, X-Large

Face Shield



Molded from high-strength polycarbonate, this unit is extremely resistant to breakage. For optimum protection against flying particles and chemical splash. Head gear and window sold separately.

Part	Description
AG050672	Head Gear
AG050673	Window



Tank Cleaner

AGCO tank cleaner effectively cleans agricultural tanks and fertilizer equipment. Removes residue left from pesticides and fertilizers, removes light rust and dissolves deposit buildups, leaving a protective film to prevent corrosion.

Part	Description
AG428737	Tank Cleaner, 1 Lb.

Foam Marker Liquid Products

GatorGold Foam concentrate for foam marker systems. Mix water ratio of 80:1. Softener recommended. Mix 1 part softener to 4 parts GatorGold. See label for mix ratios directly with water (2-6.5 Qt./Gal. depending on hardness).

Note: *Some foams may require a water softening agent to produce a satisfactory foam, especially in areas with extremely hard water.*

Part	Description
AG427341	Water Softener - 1 Gallon
AG427340	GatorGold Foam - 1 Gallon
AG711510	GatorGold Foam - 30 Gallons

Magnetic Base Light



Flood pattern.

- Adjusts 90° vertical
- 55-watt halogen with H-3 bulb
- Scratch-resistant magnetic base
- 12' cord with cigarette lighter plug
- Optional 15' cord with battery clips

Part	Description
AG052617	Flood Light

Nylon Manifold



Manifold is made of nylon and has a 3/4" (F) inlet and eight 1/2" (F) outlets. A 1/4" gauge outlet is also standard.

Part	Description
AG002151	Manifold

Fertilizer Density Scale



Find weight of fertilizer quickly and accurately. Just fill and level the container with material and slide the weighted balance until bubble appears in level vial. Scale in both pounds per cubic foot and per cubic decimeter. Durable ABS-type plastic. Range 20-80 lbs.

Part	Description
AG710492	Fertilizer Density Scale

Fertilizer Density Scale



- Set spreaders accurately
- Take bulk inventory accurately
- Check shipments

Volume range 50-199 pounds per cubic foot. Procedure: Fill with fertilizer, then balance on knife blade.

Part	Description
AG703698	Density Scale

Nylon Cable Ties

Part	Description
AG553557	Tie Cable - 6-1/16" Long, Black
AG554278	Cable Tie, 11" Long, Black
402294X1	Cable Tie, 14-1/2" Long, Black

RedBall Manifold-Style Monitors



The RedBall monitor is an effective and economical method of visually detecting a change in a nozzle's flow rate. It is commonly used on sprayers to monitor nozzles not visible to the operator. RedBall monitors are also widely used on planters when applying fertilizers and chemicals.

Part	Description
AG050293	Monitor, 4-Column, 3/8"
AG057569	Monitor, 4-Column, 1/2"
AG057537	Monitor, 4-Column, 1/2", 6-Pack



RedBall Squeeze Pump-Style Monitors

Part	Description
AG009939	Monitor, 4-Column, 3/8"
AG009940	Monitor, 4-Column, 1/2"
AG050029	Monitor, 2-Column, 3/8"
AG050030	Monitor, 2-Column, 1/2"

RedBall Manifold and Squeeze Pump Parts

Replacement parts for RedBall manifold-style and squeeze pump-style monitors.

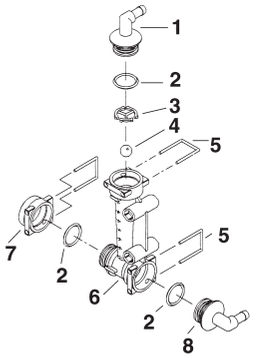
Part	Description
AG715130	3/8" Elbow Barb
AG715131	1/2" Elbow Barb
AG055000	Ball Red Glass
AG051969	Gasket

RedBall Modular-Style Monitors



The RedBall individual column monitor allows you to customize the number of columns needed. O-ring seal and clip locks the joints between columns.

Part	Description
AG059534	Single 1/4" Starter Column 3/4" Inlet, 1/4" Outlet
AG058141	Single 3/8" Starter Column 3/4" Inlet, 3/8" Outlet
AG059535	Single 1/2" Starter Column 3/4" Inlet, 1/2" Outlet
AG059563	Single 1/4" Adder Column No Inlet, 1/4" Outlet
AG058009	Single 3/8" Adder Column No Inlet, 3/8" Outlet
AG058717	Single 1/2" Adder Column No Inlet, 1/2" Outlet
AG059538	Single 3/8" Squeeze Pump 3/8" Inlet, 3/8" Outlet
AG724816	4 Column Assembly 1/4"
AG724817	4 Column Assembly 3/8"
AG058771	4 Column Assembly 1/2"
AG058716	Tee, 2 Column ORS x ORS x 1" FPT



RedBall Modular-Style Parts

Replacement parts for modular-style RedBall monitors.

Part	Description
AG059059	(1) 1/4" Elbow Hose Barb
AG724890	(1) 3/8" Elbow Hose Barb
AG723696	(1) 1/2" Elbow Hose Barb
AG059540	(2) O-ring Viton®
AG723317	(3) Float Stop
AG055000	(4) Ball Red Glass
AG059013	(4) Ball Black Plastic
AG058463	(4) Ball Stainless Steel
AG723700	(5) U-Pin
AG059541	(6) Column Single
AG723698	(7) Cap Plug
AG428995	Adapter Fitting, 1/4"

Marker Flags



100 per bag.

Part	Description
AG514685	Flag, 21" Wire with 2-1/2" x 3-1/2" Flag, Orange
AG050693	Flag, 36" Wire with 4" x 5" Flag, Orange
AG718471	Flag, 24" Plastic with 4" x 5" Flag, Orange
AG058687	Flag, 36" Wire with 2-1/2" x 3-1/2" Flag, Blue
AG058688	Flag, 36" Wire with 2-1/2" x 3-1/2" Flag, White
AG058689	Flag, 36" Wire with 2-1/2" x 3-1/2" Flag, Yellow
AG058690	Flag, 36" Wire with 2-1/2" x 3-1/2" Flag, Red
AG058692	Flag, 36" Wire with 2-1/2" x 3-1/2" Flag, Fl. Pink
AG058691	Flag, 36" Wire with 2-1/2" x 3-1/2" Flag, Fl. Green

Heavy-Duty Hitch Pins



- One-piece construction for greater strength
- Heat treated to reduce galling
- Plastic-coated grab handle
- Quality at an affordable price

Part	Description
AG710119	Hitch Pins, 5/8" x 5-1/2"
AG712935	Hitch Pins, 3/4" x 4"
AG710108	Hitch Pins, 3/4" x 6-1/2"
AG710107	Hitch Pins, 7/8" x 6-1/2"
AG710106	Hitch Pins, 1" x 7-1/2"
AG710105	Hitch Pins, 1-1/8" x 8-1/2"
AG710104	Hitch Pins, 1-1/4" x 8-1/2"
AG710103	Hitch Pins, 1-1/2" x 8-1/2"

Soil Sampler Probes



High-quality probes have bulb cut ends for ease of soil penetration.

Note: *1" diameter.*

Part	Description
AG718943	Soil Probe, 12" Long, Galvanized Steel

Soil Compaction Tester



Is soil compaction costing you?

The effects soil compaction has are:

1. Compacted soils are much harder to work.
2. Compacted soil results in poor root and plant development, which reduces yield.
3. Compaction restricts the manner in which soil naturally manages water.
4. A compacted zone means the fertilizers and herbicides you apply cannot be utilized efficiently. Find out if compaction is costing you with a Dickey-john Soil Compaction Tester!

Part	Description
AG710493	Soil Compaction Tester - Analog
ACP0492800	Digital Soil Compaction Meter (Pictured)

Meter-Man Wheels



Polystyrene wheels are lightweight, durable, have a telescoping handle and a push-button reset counter. The model 6012 measuring wheel is truly an all-terrain unit. Its rugged construction allows for accurate outdoor measuring. The 85 durometer tire provides traction on smooth or rugged ground. The counter reads up to 10,000' before resetting. The model 7912 has a 6.5' wheel circumference. The size makes it a perfect match for rough terrain.

Part	Description
AG050291	Model 6012 - 19" Diameter Wheel
AG050292	Model 7912 - 25" Diameter Wheel

TeeJet Tank Rinsing Nozzle



55270 rotating tank rinse nozzle.

Features:

- Rotating head driven by the flow of the rinsing liquid through multiple round spray orifices
- Solid-stream sprays are precisely positioned to provide effective internal wetting and cleaning of tank surface
- Removable retainer and rotating body allow for disassembly and cleaning
- Provides 360° coverage of inside surface of tank for tank diameters up to 10 feet (3.0 meters)
- Self-lubricating and self-flushing design
- Materials: Body, black POM (acetal); fasteners, stainless steel
- Recommended operating pressure of 10-50 PSI (0.7-3.5 bar)
- Mounting connection: 3/4" NPT

Part	Description
AG427608	55270 Tank Rinse Nozzle

Jet Rinse

Rinses cans of chemicals and prevents re-use; works on metal or plastic cans. Has 3/4" garden hose thread female inlet connection and on/off slide switch.

Part	Description
AG005275	Jet Rinse

Junior Flush



- 360° coverage, 20' range
- Jets rotate on both vertical and horizontal axis
- Minimum pressure to operate: 3 GPM at 50 PSI
- Maximum pressure: 200 PSI
- Made of high-impact nylon
- 1/2" (F) inlet

Part	Description
AG056180	Junior Flush

Clean Air Filters for Other Applicators



Part	Description
AG519809K	For RoGator 544, 554
AG718721K	Clean Air Filter, JD 4700, 2.57 x 28 x 7.5
AG718726K	Clean Air Filter, Willmar Air Ride, 2.61 x 18 x 6
AG718727K	Clean Air Filter, Willmar Air Ride Older Units 2.57 x 28 x 7.5

Cab Air Filter®



For 854, 864, 1064. Replace filter regularly to maintain operator comfort.

Part	Description
AG514774	Without Mounting Clips
AG517804	Filter - For RoGator 854
AG517937	Recirculating Filter - RoGator 854, 864, 1064
AG718281	Filter, Cab Particle (Front Cab Roof)
556653D1	Filter, Cab Recirculation, Carbon (Behind Seat)
556654D1K	Filter, Cab Carbon (Cab Corner)

Charcoal Cab Air Filters



Dual-filter system lets you breathe easier, keeps the interior cleaner, and reduces odors. Easy to install—no drilling necessary. Patented. Replaceable filter elements.

Part	Description
AG716514K	Ford Trucks '87-'96 All F100 to F800
AG426568	Ford Trucks '97-'03 All F250 to F750
AG716927	Replacement for 716926
AG716924	Dodge Ram '94-'97

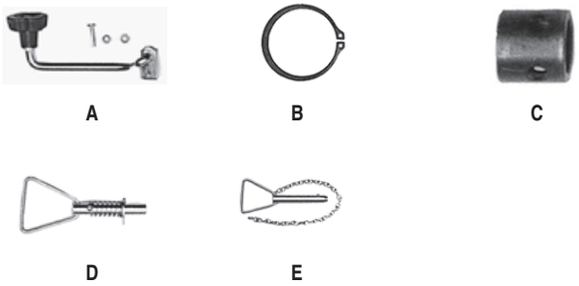
Bulldog Jacks



A B C D E

Part	Description
AG719732	(A) Jack SWS151DS Sidewind Jack - 2,000 Lbs.
AG719730	(B) Jack SWS158DTSF Sidewind Jack - 2,000 Lbs.
AG719731	(B) Jack SWL158DTSF Sidewind Jack - 2,000 Lbs.
AG719631	(C) Jack TWS178DTSF Topwind Jack - 5,000 Lbs.
AG719647	(C) Jack TWS158DTSF Topwind Jack - 2,000 Lbs.
AG719630	(C) Jack TWL158DTSF Topwind Jack - 2,000 Lbs.
AG719632	(C) Jack TWL178DTSF Topwind Jack - 5,000 Lbs.
AG719633	(D) Jack SWL178DTSF Sidewind Jack - 5,000 Lbs.
AG719734	(E) Jack TWS171DS Topwind Jack - 5,000 Lbs.

Bulldog Jack Replacement Parts



A B C D E

Part	Description
AG719623	(A) TW Crank Assembly
AG719624	(C) Tongue Swivel Bracket for 9/16" Pin
AG719737	(D) 1/2" Plunger Assembly
AG719625	(E) 9/16" Pin and Chain Assembly

AGCO Brands Suede Cowhide Gloves



F5013 G5013 H5013

- Soft and durable suede leather with tailored keystone thumb
- Extra-warm lining
- Self-hemmed with shirred elastic back
- Large size

Part	Description
F5013L	MF Suede Cowhide Glove - Large
G5013L	AGCO Suede Cowhide Glove - Large
H5013L	Challenger Suede Cowhide Glove - Large

Mechanics Gloves



G5014

- Breathable, form-fitting spandex back and padded knuckles
- Abrasion-resistant, non-slip palm patches
- Terrycloth sweat wipe on thumbs
- Adjustable wrist closure locks out dirt and debris
- Machine wash, air dry

Part	Description
G5014L	AGCO Mechanics Glove - Medium
G5014M	AGCO Mechanics Glove - Large
G5014XL	AGCO Mechanics Glove - X-Large

AGCO Brands Buffalo Gloves



F5018 H5018 GL5016

- Classic soft tanned leather
- Reinforced stitching
- Comfortable design
- Durable

Part	Description
F5018M	MF Buffalo Glove - Medium
F5018L	MF Buffalo Glove - Large
F5018XL	MF Buffalo Glove - X-Large
GL5018L	Gleaner Buffalo Glove - Large
GL5018XL	Gleaner Buffalo Glove - X-Large

AGCO Brands Mechanics Gloves



F5020 FEN5020L

- Touchscreen fingers
- Durable synthetic suede palm
- Stretchy and breathable spandex back
- Neoprene knuckles for added protection

Part	Description
FEN5020L	Fendt Mechanics Glove - Large
FEN5020XL	Fendt Mechanics Glove - X-Large
F5020M	MF Mechanics Glove - Medium
F5020L	MF Mechanics Glove - Large
F5020XL	MF Mechanics Glove - X-Large
H5020M	Challenger Mechanics Glove - Medium
H5020L	Challenger Mechanics Glove - Large
H5020XL	Challenger Mechanics Glove - X-Large

Black Nitrile Disposable Gloves

- 6mil thickness
- 100 gloves per box
- pH5.5 technology made to match healthy skin's natural pH levels to ensure comfortable fit.
- Free from glove powder, fully textured

Part	Description	Size Qty.
ACP0804740	Black Lightning Nitrile Gloves	S 10
ACP0804750	Black Lightning Nitrile Gloves	M 10
ACP0804760	Black Lightning Nitrile Gloves	L 10
ACP0804770	Black Lightning Nitrile Gloves	XL 10

Rachet Tie-Downs

Part	Description
G7030	27' JJ Step-Release Ratchet Tie-Down
G7031	27' Flat Hook Step-Release Ratchet Tie-Down
G7032	40' Hay Baler Ratchet Tie-Down
G7033	16' x 1" Ratchet Tie-Down
G7034	6' Ratchet Tie-Down
G7035	16' x 1-1/4" Ratchet Tie-Down
G7036	16' x 1-1/2" Ratchet Tie-Down

Large Bar Handle



G7030

- 27' x 2"
- Patented step-release function
- Zinc-plated double-J hooks
- Polyester webbing
- 10,000-lb. break strength
- 3,333-lb. working load limit

Large Bar Handle



G7031

- 27' x 2"
- Patented step-release function
- Zinc-plated flat hooks
- Polyester webbing
- 10,000-lb. break strength
- 3,333-lb. working load limit

Hay Baler



G7032

- 40' x 2"
- All-metal ratchet
- Zinc-plated double-J hooks
- Polyester webbing
- 10,000-lb. break strength
- 3,333-lb. working load limit

Small Bar Handle



G7033

- 16' x 1"
- Coated S-hooks
- Polyester webbing
- 1,500-lb. break strength
- 500-lb. working load limit

Small Bar Handle



G7034

- 6' x 1" w/ hook loop
- Coated S-hooks
- Polyester webbing
- 1,800-lb. break strength
- 600-lb. working load limit
- Two-pack

Sure Grip



G7035

- 16' x 1-1/4"
- Patented sure-grip handle
- Patented two-way release
- Coated double-J hooks
- Polyester webbing
- 2,500-lb. break strength
- 830-lb. working load limit

Large Sure Grip



G7036

- 16' x 1-1/2"
- Patented sure-grip handle
- Patented two-way release
- Coated double-J hooks
- Polyester webbing
- 5,000-lb. break strength
- 1,665-lb. working load limit

EPDM Rubber Tie-Down Straps

American-made EPDM rubber straps retain good flexibility and return to their original length after each use. EPDM rubber is a special blend of rubber and synthetic materials that allows for outstanding resistance to ozone deterioration and to extreme temperatures.



9" 14" 19" 29" 35"

Part	Description
G7047	9" Rubber Tie-Down Strap
G7048	14" Rubber Tie-Down Strap
G7049	19" Rubber Tie-Down Strap
G7051	29" Rubber Tie-Down Strap
G7053	35" Rubber Tie-Down Strap

Natural Rubber Adjustable Tie-Down Straps

Natural rubber tarp straps with zinc-plated hooks are strong and durable for light-duty applications. Adjustable; high elastic holding power; will not scratch.



G7052

Part	Description
G7050	24" Rubber Tie-Down Strap
G7052	36" Adjustable Tie-Down Strap

AGCO Grease Fittings

Part	Description
19575X	Grease Fitting - 45°, 1/8"-27 PTF, Pack of 2
70915275	Grease Fitting - 65°, 1/8"-27 PTF
70915276	Grease Fitting - 90°, 1/8"-27 PTF
13811X	Grease Fitting - Straight, 1/4"-28 SAE LT, Pack of 10
29951X	Grease Fitting - 45°, 1/4"-28 SAE LT, Pack of 10
70915019	Grease Fitting - 90°, 1/4"-28 SAE LT
13887X	Grease Fitting - Straight, Drive Fit for 1/4" Drill Holes

Funnels



G2026 G2027

Standard Screened Funnels

- Ideal for agriculture and related industries
- In-spout safety screen reduces contamination
- Outer ribbing design eliminates air lock
- Spout length reduces spillage and over-pouring



G2028 G2029

Capped Funnels

- Fights contamination and promotes a clean workshop environment
- Unique design prevents leftover fluid from dripping out
- No need to wipe out with a rag before re-using
- Cap prevents funnel from collecting contaminants



G2030 G2031



G2032

Pour Spout Adapter

- Screws onto quart and gallon size containers
- Air intake allows fast, efficient flow
- Cap eliminates unwanted dripping
- Chemical resistant
- Overall Length: 14-3/4" with 1" spout OD

Part	Description
G2025	1 Pt Red Funnel w/Screen
G2026	2 Qt Red Funnel w/Screen
G2027	6 Qt Red Funnel w/Screen
G2028	1 Pt Capped Funnel
G2029	1.25 Qt Capped Funnel
G2030	1.5 Qt Capped Funnel 1-1/8" OD
G2031	1.5 Qt Capped Funnel 5/8" OD
G2032	Qt/Gallon Pour Spout Adapter

Fire Extinguishers


G5005–G5007


G5009


G5010


G5011

- Compliant with National Fire Protection Association requirements
- Tested and rated to ANSI, UL, and ULC standards
- Nameplates contain necessary HMIS information to comply with OSHA
- Bilingual labels

Part	Description
G5005	2.5 Lb. Fire Extinguisher U.S.
G5006	5 Lb. Fire Extinguisher U.S./Canada
G5007	10 Lb. Fire Extinguisher U.S.
G5009	Mounting Bracket - 10 Lb.
G5010	Mounting Bracket - 2.5 Gal.
G5011	2.5 Gal. Water Fire Ext. U.S./Canada

Slow-Moving Vehicle Signs



Multiple options based on mounting requirements.



Part	Description
G7000	SMV Sign 14x16 Galvanized Steel
G7001	SMV Sign 14x16 Plastic
G7002	SMV Emblem Decal
G7003	SMV Mounting Hardware
79001235	Slow Moving Vehicle Sign Mounting Socket

Workshop Essentials

Look to the AGCO Workshop Essentials offering to round out the final pieces for your work space. Every shop needs certain items to function properly, and you can find those items with AGCO Parts!


G1013

Shop Towels

Toolbox® Blue Shop Towels are ideal for use in the shop, garage, or home. The blue color helps hide grease and grime better than white towels, allowing for longer use before being discarded. Made with 40% post-consumer recycled fibers. Use for all medium- to heavy-duty general-purpose wiping. Blue shop towels work like cloth and are soft on your hands and face.

Part	Description
G1010	Shop Towels, Roll
G1012	Shop Towels, Box
G1013	200-ct. Shop Towel Big Grip
G1014	Shop Towels, Big Grip Container Refill

Fuel Containers

Superior design and EPA/CARB-compliant spouts make these cans ideal for fuel storage. Perfect for all equipment, including lawnmowers, snowblowers, and ATVs.

- Environmentally friendly
- Easy-flow/spill-proof spout provides for safe fuel storage and easy pouring
- Wide base design reduces the chance of tipping
- Made of durable HDPE
- Spout closes automatically with an airtight seal


G7004


G7005


G7006


G7007


G7008

Part	Description
G7004	1 Gal. Gas Can
G7005	2 Gal. Gas Can
G7006	5 Gal. Gas Can
G7007	5 Gal. Diesel Can
G7008	5 Gal. Kerosene Can

Mouse Repellent / Cab Freshener



Part	Description
ACP0438760	Grandpa Gus Cab Freshener (U.S.)
ACP0438770	Grandpa Gus (Canada)

Hand Cleaners

AGCO hand cleaners are industrial-strength formulations proven to work in tough environments. Our cleaners are citrus formulas that can be used with or without water, and are designed to get out the toughest stains without harsh solvents or abrasives. AGCO hand cleaners also feature special conditioners to help relieve dry, chapped skin.



79036480


G1008

Part	Description
79036480	72-ct. Scrubbing Wipes (goop)
G1008	Wall-Mount Bracket for 1 Gal.

Fresh Cab





Trust the original natural rodent repellent for your buildings, property, and equipment. Fresh Cab's all-natural botanical aroma prevents pests from making homes in your protected areas and eliminates the odors, damage, and messes caused by infestations, without traps or poisons. Choose the safe, effective way to protect your family, pets, and property.

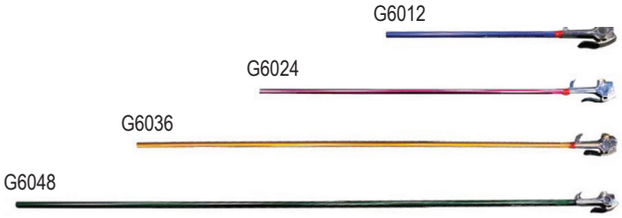
- Farm equipment: wiring harnesses, engine compartment, and cab areas
- Homes: use in basements, attics, garages, under sinks, and around pantries
- Property: under decks, in tool sheds, barns, trailers, campers, RVs, boats, and storage units

Simply remove outer wrap and distribute pouches around any uninhabited and enclosed area where rodents tend to hide, feed, or seek nesting sites. In non-infested areas, use one pouch for every 125 square feet—scent lasts up to 90 days. In infested areas, use one pouch for every 8 square feet and replace every 30 days. Pouches will weather and lose their scent over time—for best results, replace pouches on a regular basis.

Part	Description
79035096	Fresh Cab Botanical Rodent Repellent (U.S.)

Air Comb® Filter and Radiator Cleaners

The AGCO Air Comb is a blow gun that cleans radiators, condensers, air filters, and much more in seconds. After connecting the Air Comb to your compressor, the air exits the blow gun at a 90° angle and covers a significant surface area as it is ejected from five ports. The result is a thorough and efficient cleaning tool that will not damage the delicate filter media.





- Flush 90° air flow
- 5x the air volume
- Accesses hard-to-reach areas
- Extends filter life
- Use on air filters, radiators, condensers, and much more

Part	Description
G6012	12" Air Comb
G6024	24" Air Comb
G6036	36" Air Comb
G6048	48" Air Comb

J-B Weld Products—Any project. Any surface. Any time.

Whether you're doing a small repair or tackling a large project, we have all the products you need to get the job done right. Use the table below to explore our entire product family. No matter which product you choose, you always get the legendary performance of the world's strongest bond.



Part	Description
G8237	J-B Weld Plastic Weld, 2 oz. Tube
G8265S	J-B Weld, Two 1 oz. Tubes
G8267S	J-B Stick Weld, 2 oz. Tube
G8276	J-B Kwik Adhesive, Two 1 oz. Tubes
G8277	J-B WaterWeld, 2 oz. Tube

A/C Compressor Oil



- Synthetic PAG refrigerant oil for R-134a compressor systems
- Designed for use with SD5 and SD7 compressors and R134a refrigerant

Part	Description
72507682	A/C Compressor Oil, 8.45-oz. Can

134a Refrigerant—U.S. Only



G7014



- For use in factory-installed and/or retrofitted R-134a auto air conditioning systems
- Meets ARI 700 specification
- Comes with standard ACME threaded cap
- Available in the U.S. only

Part	Description
71369762	Refrigerant—134A, 12-pack, U.S. Only
79018664	Refrigerant—134A, Container, U.S. Only

RectorSeal® No. 5



- Multipurpose, soft-setting, slow-drying, lead-free thread sealant
- Yellow in color
- Dependable sealant for lines carrying numerous types of liquids and gases, including anhydrous ammonia
- Recommended for use on pipes made of galvanized steel, iron, brass, copper, aluminum, stainless steel, polyethylene, PVC, CPVC, and reinforced fiberglass

Part	Description
AG717563	RectorSeal #5, Half Pint

RectorSeal® No. 21



- Compounded scientifically as a dependable sealant for lines carrying numerous types of liquids and gases, including anhydrous ammonia
- Black in color
- Soft-setting, versatile, non-toxic, multi-purpose thread lubricant
- Use for threaded PVC, steel, iron, copper, and fiberglass-reinforced pipe

Part	Description
AG711522	RectorSeal #21, Half Pint

Glass Cleaner



- Fast foaming action penetrates and removes greasy stains and smudges
- Cleans quickly and easily
- For glass, mirrors, plastic, or stainless steel surfaces

Part	Description
79037669	Glass Cleaner, 18.5-oz. Aerosol

Carburetor Cleaner



- Removes deposits from internal areas
- Leaves no sticky film
- Helps eliminate stalling
- Use on all engines

Part	Description
79016925	Carburetor Cleaner, 12-oz. Aerosol, U.S. Only

Foaming Engine Degreaser



- Fast-acting, professional-strength cleaner that dissolves dirt and grease
- Safe on most rubber and plastic parts
- Use on engines and drivetrain components

Part	Description
ACP0902440	Foaming Engine Degreaser, 18-oz. Aerosol

Brake and Parts Cleaner—Low VOC



- Safely removes brake fluid, grease, oil, and contaminants
- Cleans and degreases instantly, leaving no residue
- Use on brake parts, linings, and drums

Part	Description
79023090	Brake Cleaner V.O.C., 14-oz. Aerosol - U.S.
79023090C	Brake Cleaner V.O.C., 14-oz. Aerosol - Canada

Starting Fluid—Ether



- For gasoline and diesel engines
- 65% ether formulation (aerosol) improves starting by injecting fluid directly into the intake manifold
- KBi-patented ether cylinders ensure ease of removal and installation and superior dirt and moisture protection

Part	Description
79014649C	Ether - 65%, 7.5 oz. – Canada
72163195	Kompac Ether Cylinder, 8 oz.
74009959	Dieselmatic Ether Cylinder, 21 oz.
ACP0553620	Johnsen's Premium 50% Starting Fluid, US Only

DOT 4 Brake Fluid



- Use in all DOT 3 and DOT 4 applications
- Meets Federal Motor Vehicle Safety and SAE specifications
- Dry boiling point exceeds 475˚F
- Use for ABS, hydraulic drum, and disc brake systems, as well as hydraulic clutches

Part	Description
79036472	DOT 4 Brake Fluid, 12 oz.

Mineral Brake Fluid



- For use in hydraulic systems designed for a mineral oil-based fluid
- High boiling point, with low-temperature operability down to -40˚C
- Use in brake, hydraulic, power steering, and suspension systems in Peugeot and Citroen vehicles

Part	Description
3405389M3	Mineral Brake Fluid, 32 oz.

Anti Squawk



- Tractor transmission oil supplement designed to give improved performance in transmissions—particularly those incorporating wet brakes.
- Stops chatter in wet brakes, hydraulics, power steering, and suspension
- Use in AGCO tractor wet-disc brake systems or transmission operations

Part	Description
1889891M4	Anti Squawk, 32 oz.

Air Brake System Antifreeze



- Protects all air brake systems and helps prevent freeze-ups
- No ingredients or residues to corrode brake systems
- Contains pure anhydrous-grade methanol

Part	Description
79019149	Air Brake System Antifreeze, 32 oz.

DMAX Diesel Plus



- For summer use. Helps maximize performance and enhance engine reliability.
- Contains lubricity additives, increases cetane number, and absorbs free and emulsified water.
- Cleans injection system, reduces exhaust smoke, and contains no alcohol.
- Use 1 oz. for every 32 gallons of fuel.

Part	Description
DMP81097	DMAX Diesel Plus, 12-oz. Bottle

DMAX Winter Diesel





- Increases overall system performance in cold winter conditions
- Prevents waxing and gelling

Part	Description
DMW81097	DMAX Winter Diesel, 12-oz. Bottle

DMAX Winterthaw Emergency Fuel Treatment



- Emergency winter diesel fuel treatment
- Dissolves gelled fuel back into solution

Part	Description
FP11232	Winterthaw Fuel Treatment, 32-oz. Bottle

DMAX Fuel System Water Remover



- Use year-round to de-water fuel system
- Absorbs moisture for smoother engine performance
- Spring, summer, and fall—1 bottle per 500 miles. Winter—1 bottle per 15 gallons

Part	Description
FPW128	DMAX Water Remover, 12-oz. Bottle

Belt Dressing



- Lubricates and cleans
- Keeps belts soft and flexible and increases belt life
- Reduces slippage and belt noise and increases power transmission
- Use on canvas, fabric, leather, rubber, fan belts, v-belts, and ag and industrial belt drives

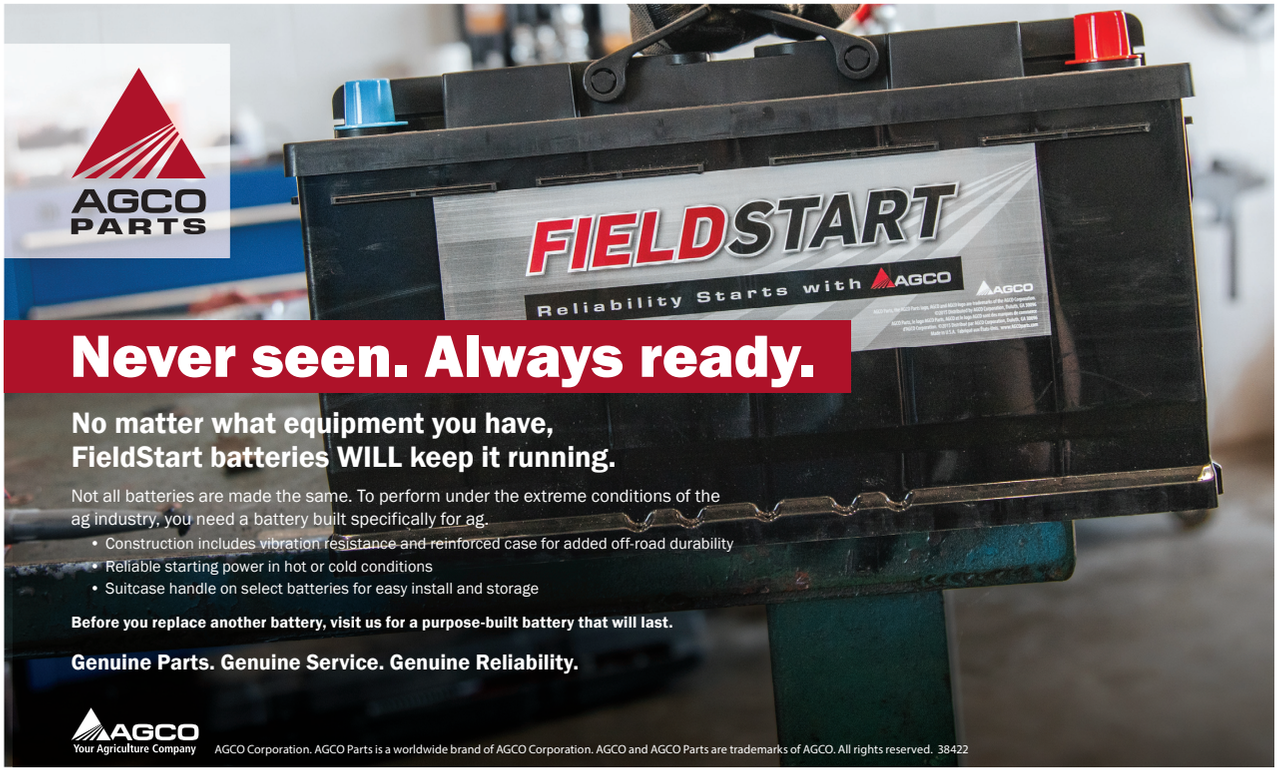
Part	Description
79016922	Belt Dressing, 12 oz.

Spray Grease



- Long-lasting white grease for general lubrication of farm, auto, and marine equipment
- Sprays like oil and firms up to a tough grease film that reduces metal wear
- Use on chain, rollers, hinges, striker plates, springs, locks, latches, plain bearings, slides, open gears, and couplings

Part	Description
79016934	Spray Grease, 12 oz.



Graphite Dry-Film Lubricant



- Provides long-lasting lubrication and protection, adhering quickly to many surfaces
- Reduces wear for tough applications
- Ideal for machinery, tools, conveyors, chains, wire rope, farm equipment, lawn mowers, snow blowers, shovels, locks, doors, trunks, and hinges

Part	Description
79021829	Graphite Dry-Film Lubricant, 12 oz.

Chain and Cable Lubricant



- Penetrates rapidly to reduce friction and wear
- Resists rust and corrosion
- Use on chains and cables, hinges, sliding parts, bushings, conveyors, open gears, fork lift truck masts, plain bearings, couplings, sporting equipment, hood latches, locks, window regulators, speedometer cables, radio antennas, battery terminals, distributor cams, striker plates, springs, clamps, and O-rings

Part	Description
79037696	Chain and Cable Lubricant, 12 oz.

Fluid Film®



Fluid Film®—CAN Packaging



Fluid Film®—U.S. Packaging

- Superior lubricant, penetrant, and rust and corrosion preventative
- Keeps snow and ice from building up on moving parts
- Cleans wire cables and belts
- Contains no solvents; will not dry out; environmentally friendly
- Use on all vehicle types, and with the following applications:

Hinges	Chains	Home	Threads	Turnbuckles
Boats	Cables	Pulleys	Automobiles	Linkages
Guides	Ranch	Swivels	Come-alongs	Farm
Industry	Machine Shops	RVs		

Part	Description
GAS11	Fluid Film, 11.75 oz.
GAS11CA	Fluid Film, 333 g.
GAS12CA	Fluid Film, 145 g.
GNAS8OZCA	Fluid Film, 237 mL
GNAS1GAL	Fluid Film, 1 Gal. Pail
GNAS1GALCA	Fluid Film, 3.7 L Pail
GNAS5GAL	Fluid Film, 5 Gal. Pail
GNAS5GALCA	Fluid Film, 18.9 L Pail





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Y-Logic™ Nutrient Delivery System by EZ-Drops

Introducing the new post-emergence nutrient application system for RoGator complete with patent-pending quick-attach pivot-mounts. Available for all factory boom sizes up to 120 feet, and all row widths, regardless of nozzle spacing. This premium, lightweight system allows for boom folding without leaving the cab, is self-guided by the crop, yet durable with heavy-duty stainless-steel breakaway spring and hydraulic fittings and whips with high-wear tips. In-season nitrogen application where it's needed, when it's needed.

Features and Benefits:

- Full boom coverage—Innovative lightweight design allows machine to cover more acres with each pass vs. the competition.
- Effective and efficient—Use the same path as previous broadcast applications, while staying right on target regardless of terrain, boom position, field obstacles. Get the rate applied that was intended.
- Strong and flexible—Unique semi-rigid flexible poly tubes and puck protect crops from damage while allowing automatic crop guidance in changing terrain and row alignment.
- Unmatched placement optimization—EZ-Drops achieves the desired applied rate with better placement optimization to every row via one tube, not two, thereby eliminating a costly redundancy.
- EZ-Switch—Quick-attach mounting brackets and extension system allow the operator to go from Y-Logic to broadcast mode in minutes. The system does not impede the ability for operators to fold from the cab.



Building an Installation Kit

Part	Description
SYSTEM BUILD STEP ONE—DROPS *(See table below for quantities needed for each boom)*	
EZMC76P	Standard Clearance - 76"
EZMC82P	High Clearance Tall Corn - 82"
EZHZ102P	Ultra-High Clearance - 102"
SYSTEM BUILD STEP TWO—BASE POSITIONING KIT *(QTY 1 per machine)*	
EZRGB20	RoGator A/B/C - 20" Spacing
EZRGB22	RoGator A/B/C - 22" Spacing
EZRGB30	RoGator A/B/C - 30" Spacing
EZRGB38	RoGator A/B/C - 38" Spacing
EZRGB85430	Legacy AgChem - 38" Spacing

Number of Drops to Order in Step One Above

Row Spacing	Boom Width			
	120'	100'	90'	60/80'
20"	36	30	28	24
22"	32	28	24	22
30"	24	20	18	16
38"	20	16	14	12

Service Parts

	Part	Description
High-Wear Replacement Whips (Incl. 2 for each row)	EZDT20HW	20" Row Tube (Singular) with SS HW Kit, 1238HB
	EZDT22HW	22" Row Tube (Singular) with SS HW Kit, 1238HB
	EZDT30HW	30" Row Tube (Singular) with SS HW Kit, 1238HB
	EZDT38HW	38" Row Tube (Singular) with SS HW Kit, 1238HB
Orifices	EZLA20	20" - 89 Orifices - 20" Whips (Fully Assembled)
	EZLA22	22" - 95 Orifices - 22" Whips (Fully Assembled)
	EZLA30	30" - 110 Orifices - 30" Whips (Fully Assembled)
	EZLA38	38" - 125 Orifices - 38" Whips (Fully Assembled)
Hoses	EZBH24	24" Bottom Hydraulic Hose for MC82P and HC102P
	EZBH18	18" Bottom Hydraulic Hose for MC76P
Peg Mounts	PG2.5	Peg Mount for **Listed** Positions w/Obstacles
	PG1.5	Peg Mount for Standard 1" and 1.5" Boom
	RMPG1.5	Pegs for Outer 2 Positions
	PEG2H	Removable Peg
Peg Accessories	EZRTBSH1	Retainer Bushing to Hold Drops onto Pegs
	EZ34BSH	3/4 Peg Mount Spacer
Extensions	EXT26RGST	Straight Extension
	EXT26RG	Lowering Extension
Receiver	P2.5R4180	Extension Receivers for RoGators with Std. Booms
Sub Boom & Offsets	EZ913	9x13 Offset to Work Around Obstructions on Boom
	SB14	14" x 1.5" Powder-Coated Sq. Tube to Use as Offset
	SB65	Mini Sub Boom for Hinge Reinforcement Area
U-Bolts	U1.0SQ	1x2 Stainless Steel U-Bolt
	U1.5SQ	1.5x2.5 Stainless Steel U-Bolt
	U2.0SQS	2x2.5 Stainless Steel U-Bolt
Hardware	FN516	5/16NC Stainless Flange Nut
	SP38	3/8 Snap Pin - Secures Extensions into Receivers
	LP316	3/16 Lynch Pin - Secures Retainer Bushing to Peg
	FB516.1	5/16NC Stainless Steel Flange Bolt
	WB14.1	1/4 Wire Pin to Secure Removable Peg
Accessory Catch	EZCATCH1	Drop Catch for Booms That Fold Over Top



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Premium apparel, authentic toys and exclusive accessories:
Bold Fendt-branded gifts built to impress on the farm and off are here this holiday season.

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GIFTS FOR ANYONE



WHO WAS BORN TO FARM.

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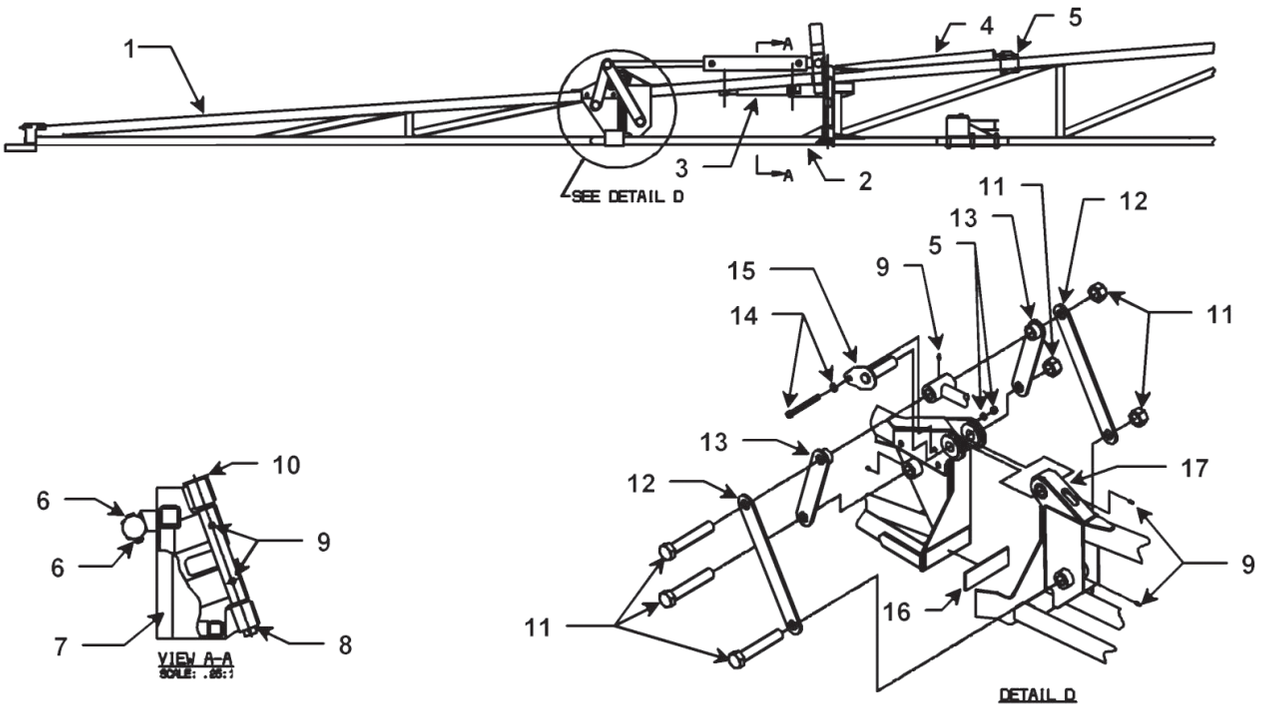
60- to 80-Foot Boom Breakaway Parts



Applications: 60'/80' boom breakaway parts.

Ref	Part	Description
1a	AG503469	Boom Tip Weldment LH
1b	AG503468	Boom Tip Weldment RH
2a	AG503511	Middle Boom Weldment LH
2b	AG503510	Middle Boom Weldment RH
3	AG515274	Shock Absorber with Boot
4	AG517793	Extension Spring 2" OD x 25.75
5	AG561072	Bolt .37-16NC x 3
5.1	AG550191	Washer LK .38
5.2	355566X1	Nut .38-16NC
6	AG551392	Bolt .50NC x 2.75
6.1	AG601152	Nut 1/2-13NC
7	AG233057	Matting Pad
8	AG515352	Cotter Pin .18 x 2 Stainless Steel
9	AG517100	Grease Zerk
10	AG229828	Pivot Pin Weldment
11	AG561667	Bolt 1-8NC x 7
12	AG229905	Bar Link Long
13	AG260592	Bar Link Short
14	AG561698	Bolt .37-16NC x 4.25
14.1	AG550981	Washer 3/8"
15	AG260631	Pivot Pin Weldment Boom Tip
16	AG604187	Rubber Pad Boom Tip
17	AG309841	Pivot Plate (Qty. 2)

80 Foot Boom Tip



90-Foot Boom Tips



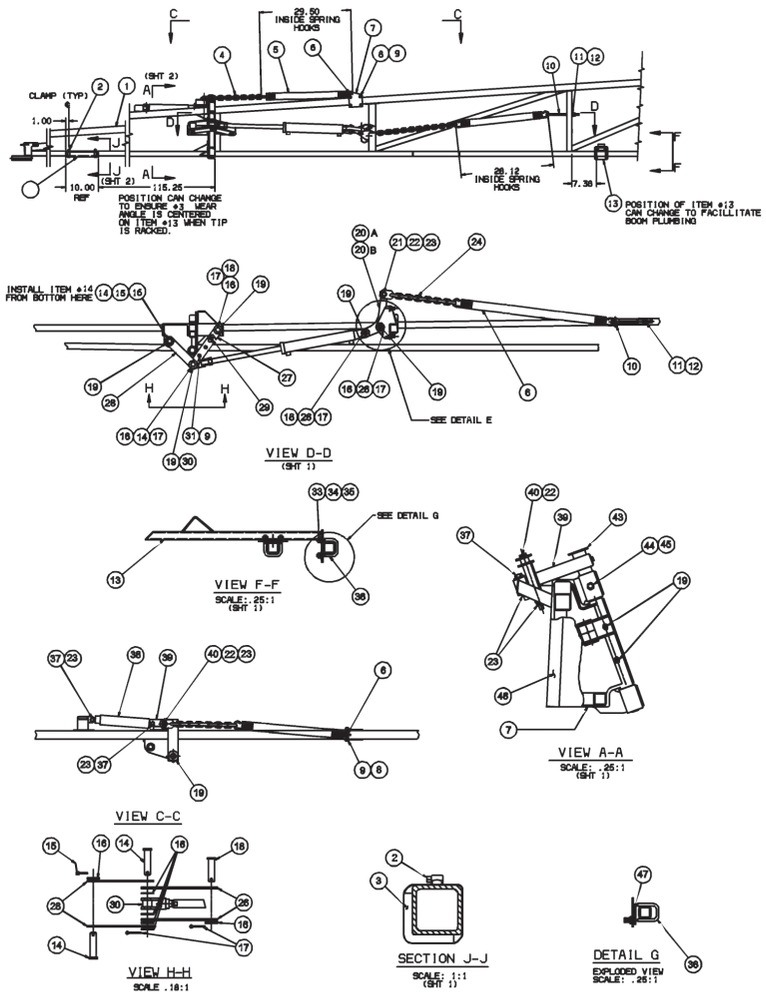
Applications: 90' boom tip parts.

Notes: *Cylinders are not listed because the model used may vary from year to year.*

Ref	Part	Description
1a	AG504542	Boom Tip Breakaway RH
1b	AG504543	Boom Tip Breakaway LH
2	AG561218	Worm Drive Hose Clamp 1.31-2.25
3	AG260770	Angle Wear Pad
4	AG230263	Chain for Breakaway Weldment
5	AG517793	Extension Spring 2" OD x 25.75
6	AG230312	Spacer Tube
7	AG230237	Plate Spring Mount
8	AG561072	Bolt .37-16NC x 3
9	SN3567	Nut .38-16NC
10	403209X1	Eyebolt .50-13NC x 8
11	AG562538	Nut .50-13NC
12	AG514554	Washer 1/2" Flat
13	AG326423	Boom Rest Weldment
14	AG522058	Clevis Pin 1 x 4
15	AG551856	Washer 1" Flat
16	700718066	Lynch Pin .25 x 1.5

Ref	Part	Description
17	AG515352	Cotter Pin .18 x 2 Stainless Steel
18	AG522056	Pin Clevis 1 x 3.62
19	AG561892	Grease Zerk .25 UNF
20a	AG309967	Pivot Plate Weldment LH
20b	AG309966	Pivot Plate Weldment RH
21	702217	Bolt .50-13NC x 4
22	AG550353	Washer 1/2" Flat
23	AG601152	Nut 1/2-13NC
24	AG262785	Chain for Pivot Weldment
26	AG522057	Clevis Pin 1 x 2.69
27	AG262985	Bar Link Long
28	AG230129	Bar Link Short
29	AG230312	Spacer Tube Link
31	AG551058	Bolt .37-16NC x 3.25
33	355565X1	Nut .31-18NC
34	SN3723	Washer Lock .31
35	700709602	Washer Flat .31
36	AG209384	U-Bolt .31-18 x 1.56 x 2.46 Square
37	AG551392	Bolt .50NC x 2.75
38	AG515274	Shock Absorber with Boot
39	AG309923	Shock Mount Weldment
40	AG561203	Bolt .50-13NC x 2.75
43	599260D1	Pivot Pin Weldment
44	AG562054	Bolt Back Plate (2 Required)
45	AG027275	Nut .25-20 Nylock
46	AG233057	Matting Pad
47	AG232797	Shim Plate

90 Foot Boom Tip



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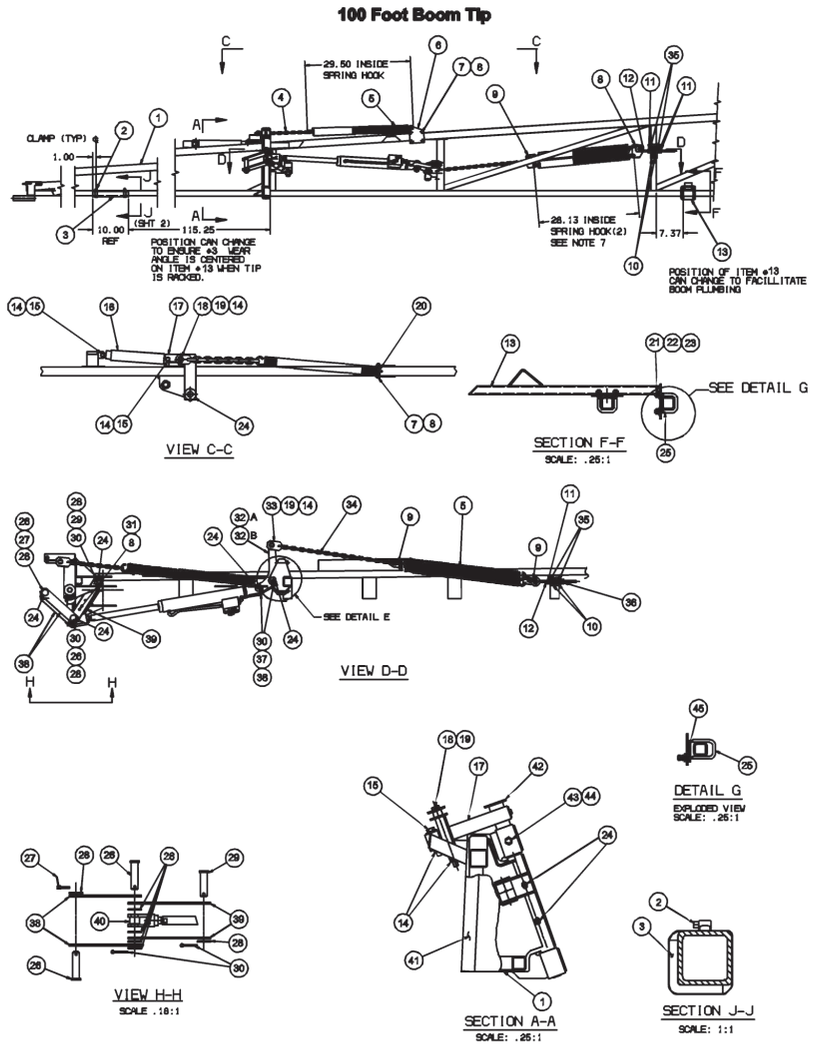
100-Foot Boom Tips



Application: 100' boom breakaway.
Notes: *Cylinders are not listed because the model used may vary from year to year.*

Ref	Part	Description
1	AG504509	Boom Weldment Breakaway LH
1	AG504510	Boom Weldment Breakaway RH
2	AG561218	Worm Drive Hose Clamp 1.31-2.25
3	AG260770	Angle Wear Pad
4	AG230263	Chain for Breakaway Weldment
5	AG517793	Extension Spring 2" OD x 25.75
6	AG230237	Plate Spring Mount
7	AG561072	Bolt .37-16NC x 3
8	SN3567	Nut .38-16NC
9	AG263036	Plate Eyebolt
10	AG263053	Boom Plate
11 & 36	AG562538	Nut .50-13NC
12	AG550264	Washer 1/2" Lock
13	AG326423	Boom Rest Weldment
14	AG601152	Nut 1/2-13NC
15	AG551392	Bolt .50NC x 2.75
16	AG515274	Shock Absorber with Boot
17	AG309923	Shock Mount Weldment

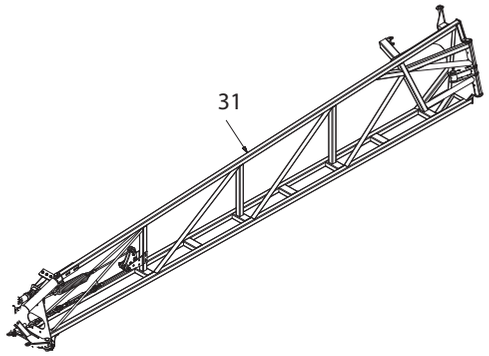
Ref	Part	Description
18	AG561203	Bolt .50-13NC x 2.75
19	AG550353	Washer 1/2" Flat
20	AG230312	Spacer Tube
21	355565X1	Nut .31-18NC
22	SN3723	Washer Lock 31
23	700709602	Washer Flat 31
24	AG561892	Grease Zerk .25 UNF
25	AG209384	U-Bolt .31-18 x 1.56 x 2.46 Square
26	AG522058	Clevis Pin 1 x 4
27	700718066	Lynch Pin .25 x 1.5
28	AG551856	Washer 1" Flat
29	AG522056	Pin Clevis 1 x 3.62
30	AG515352	Cotter Pin .18 x 2 Stainless Steel
31	AG551058	Bolt .37-16NC x 3.25
32a	AG309967	Pivot Plate Weldment LH
32b	AG309966	Pivot Plate Weldment RH
33	702217	Bolt .50-13NC x 4
35	AG514554	Washer 1/2" Flat
37	AG522057	Clevis Pin 1 x 2.69
38	AG230129	Bar Link Short
39	AG262985	Bar Link Long
41	AG233057	Matting Pad
42	599260D1	Pivot Pin Weldment
44	704007	Nut .25-20NC
45	AG232797	Shim Plate

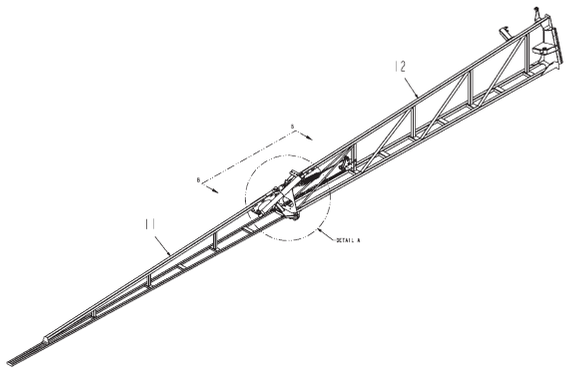


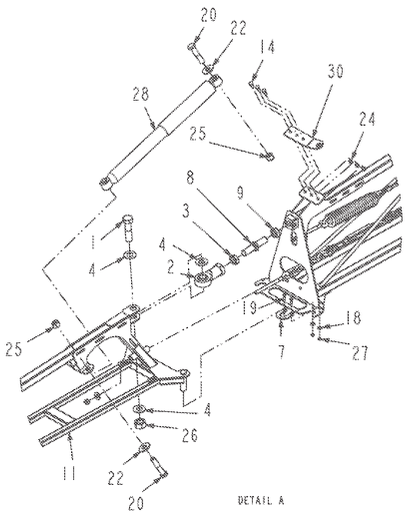
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RoGator 120-Foot Booms

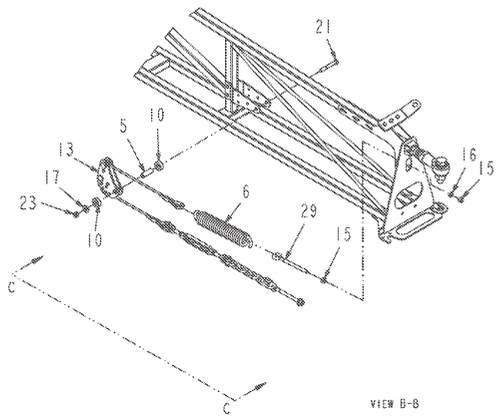
Ref	Part	Description
1	SN1753	Bolt 1 x 8NC
2	WR34606	Rod End 1-14UNF Female
3	AG34609	Nut Toplock 1-14UNF G8
5	WR124539	Bushing
6	546791D1	Spring Extension
7	WR128835	Clamp Boom Pivot
8	AG129192	Bolt Adjust
9	70917627	Nut Jam 1-14UNF LH
10	WR135545	Spacer UHMW 1.50D x .781D
11	536237D1	Boom Tip Breakaway
12a	542619D1	Boom Mid, LH
12b	542616D1	Boom Mid, RH
14	AG518500	Bolt 3/8 x 1.00
15	704031	Nut 0.50-13NC Hex ZN Reg
16	AG550264	Washer 1/2 Lock
17	AG550353	Washer 1/2 Flat
18	AG550507	Washer 1/4 Flat
19	AG550698	Bolt 1/4 x 1.00
20	7772122	Bolt 3/4 x 3-1/2
21	SN1507	Bolt 1/2-13 x 3-1/2
22	AG561156	Washer .75
23	AG601152	Nut 1/2-13
24	SN3567	Nut .38-16NC
26	AG604185	Nut 1.00 x 8NC
27	Y704395	Nut 1/4-20NC
28	6623263	Shock Absorber Boom
29	6626401	Eye Bolt
30	503475D1	Plate Shock Mount
31a	514333D1	Boom Inner, LH
31b	514332D1	Boom Inner, RH



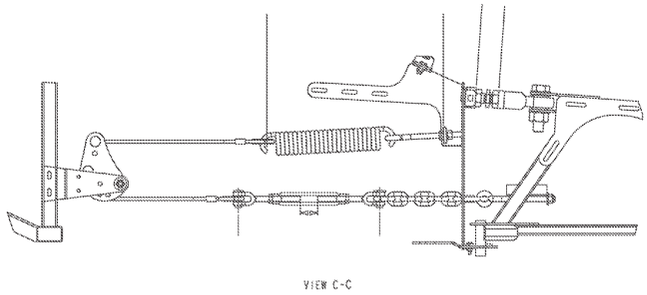




DETAIL A



VIEW B-B

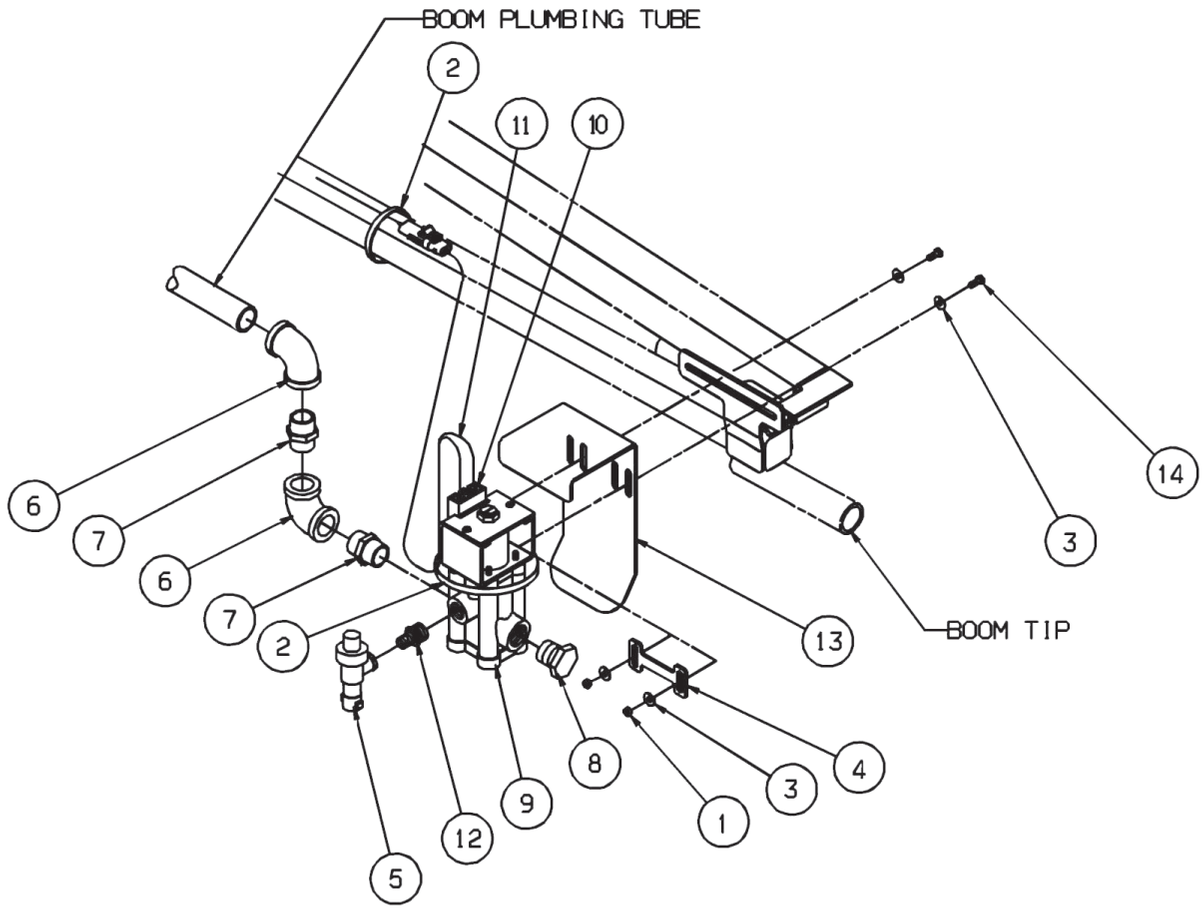

VIEW C-C

1993-2005 Fence Row Nozzle

Applications: 1993-2005 fence row nozzles for RoGators.

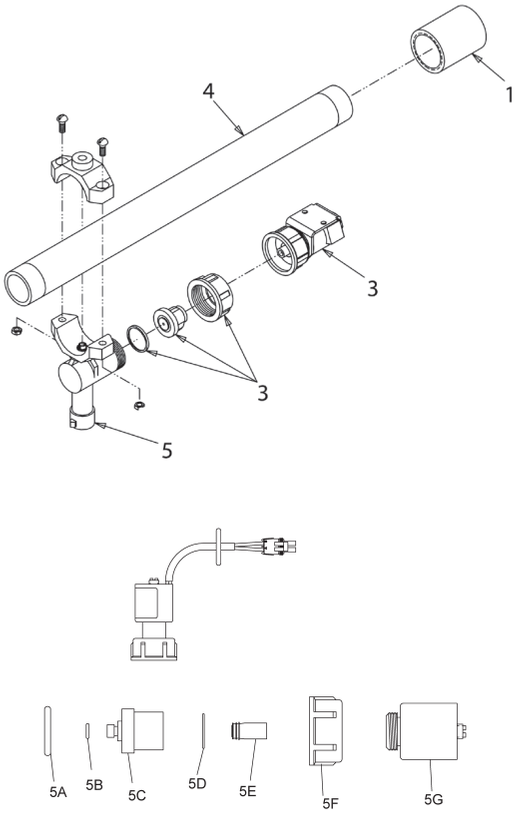
Notes: *The pipe plumbing parts may not pertain to the 1993-1995 664, 844, and 854 due to the fact that some of these machines use hoses for plumbing. If this is the case, please refer to your parts manual. * These items for use with booms that use stainless steel pipe for boom plumbing. ** This item is used between the 144A valve and the elbow on booms with poly pipe boom plumbing.*

Ref	Part	Description
1	AG027275	Nut .25-20 Nylock
2	AG553557	Tie Cable - 6 -1/16" Long - Black
3	AG515121	Flat Washer 1/4"
4	AG260473	Strap Mount for Valve
5	AG006616	Check Valve 1/4" Inlet
6*	AG051932	Elbow 90° 3/4" - 304 Stainless Steel
6	AG051127	Elbow 90° 1" NPT x 1" NPT
7*	AG051903	Nipple 3/4 x Close - 304 Stainless Steel
7	AG051133	Pipe Plug 1/2" NPT
7**	AG051436	Reducer Nipple 1" x 3/4"
8	AG051134	Pipe Plug 3/4" NPT
9a	AG052262	Single - 144A Valve - EPDM
9b	AG052263	Single - 144A Valve - Viton®
9c	AG230073	Valve Wiring Modification with Weatherpack
10	AG518989	Sealant Non-Corrosive
11	AG322740	Harness - Fence Row Solenoid
12	AG562782	Nipple Poly .50M x 25M Stainless Steel
13	AG326199	End Row Nozzle Guard
14	AG562064	Bolt 1/4-20NC x 1 Stainless Steel



2005-2006 Fence Row Nozzle

Applications: 2005-2006 874, 1074, and 1274 RoGators.



Ref	Part	Description
1	AG051940	3/4"
N/A	AG129187	Pipe Sealant
4	AG134849	Tube Boom Stainless Steel
5	533521D1	Diaph. Check Valve, Nylon, 3/4" Wet Boom
3	508196D1	Valve Solenoid
5A	AG131469	O-ring
5B	AG131468	O-ring
5C	AG131471	Valve Body
5D	AG131470	O-ring Viton®
5E	AG330727	Plunger Assembly
5F	AG131475	Fly Nut
5G	AG131476	Coil Assembly

Bulk Boom Tubing

Bulk boom tubing available in 3/4" stainless steel or 1" poly pipe. Comes in 20' lengths with 3/8" holes pre-drilled at specified spacing.

Part	Description
AG234788	1" Poly Pipe w/ 10" Spacing
AG237803	1" Poly Pipe w/ 15" Spacing
AG234357	1" Poly Pipe w/ 20" Spacing
AG519732	1" Poly Pipe w/ No Holes

AirMax 180 and AirMax 180 Boom Parts

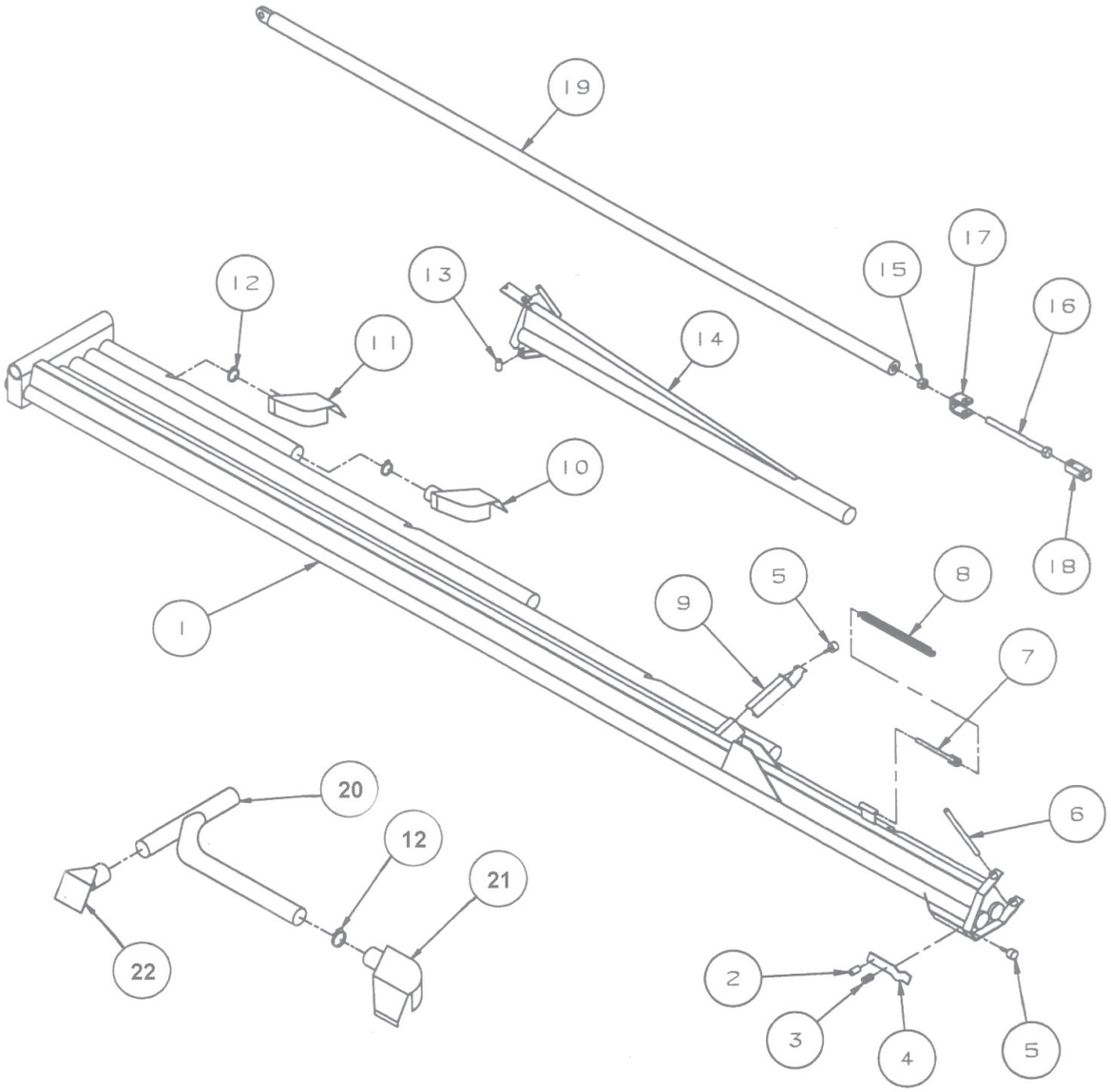


Applications:

- AirMax 180 boom parts
- 2000-2006 A/M 180 with 22" spacing
- 2004-2006 A/M 180 with 30" spacing

Ref	Part	Description
1a	AG060381	Inner Boom RH
1b	AG060378	Inner Boom LH
	AG139013	Inner Boom RH for 30" Spacing
	AG139016	Inner Boom LH for 30" Spacing
2	AG060373	Eccentric Bushing
3	AG060374	Compression Spring
4	606016D1	Breakaway Latch
5	AG060375	Bumper
6	AG060376	Hinge Pin

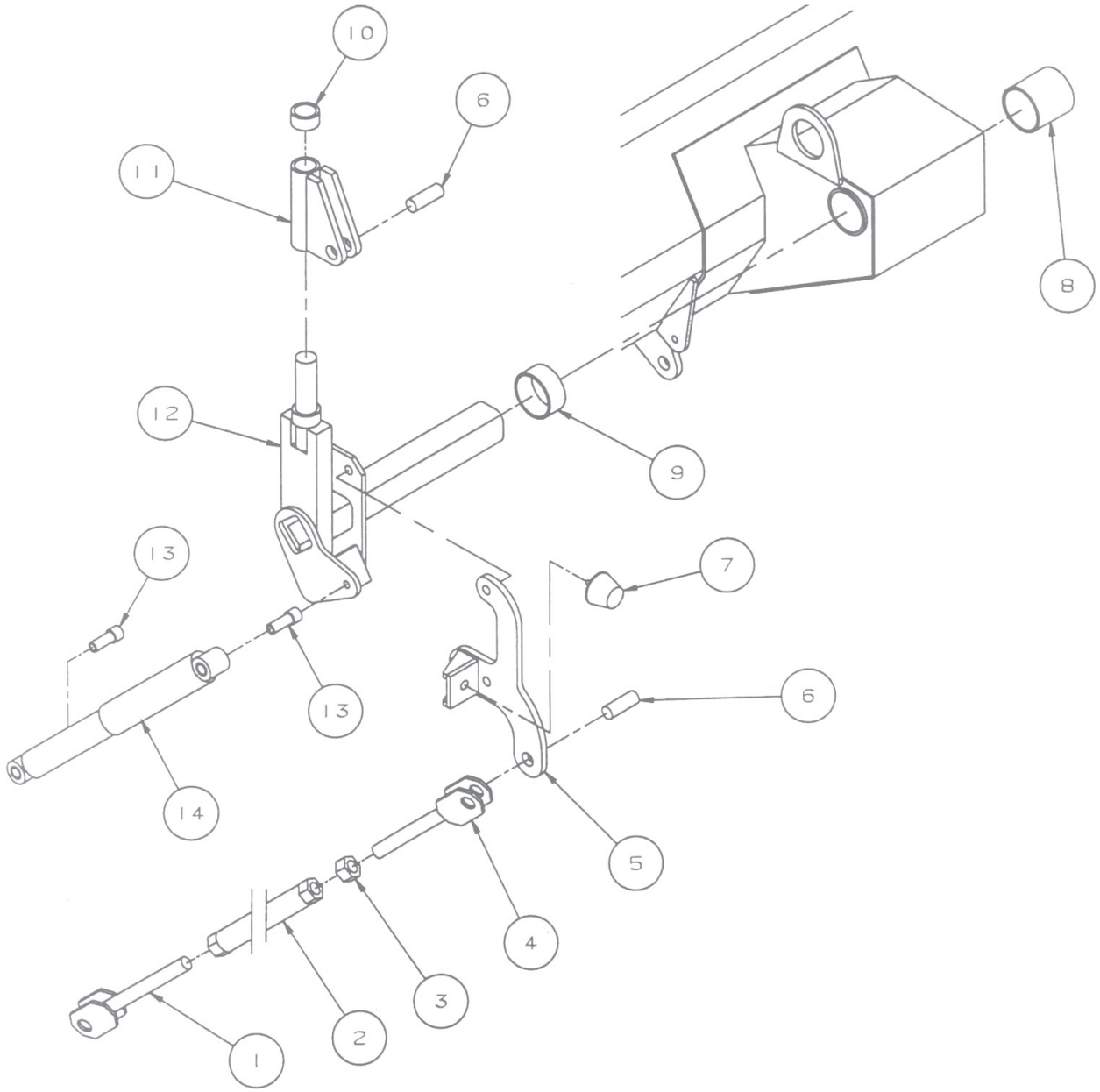
Ref	Part	Description
	AG060386	Eye Bolt 5/8 NC
8	AG724063	Spring
9	AG060385	Tip Rest
10a	AG724659	Deflector RH End 3"
10b	AG724660	Deflector LH End 3"
11a	AG724657	Deflector RH Mid 3"
11b	606017D1	Deflector LH Mid 3"
12	AG060368	Hose Clamp
13	AG060369	Breakaway Roller
14a	AG060377	Boom Breakaway RH Tip
14b	AG060379	Boom Breakaway LH Tip
	AG332554	Boom Breakaway RH Tip for 30" Spacing
	AG332553	Boom Breakaway LH Tip for 30" Spacing
15	AG060370	Hex Nut 1"
16	AG060382	Threaded Rod Assembly
17	AG060380	Clevis Strut Connector
18	AG060371	Link Strut Connector
19	AG060372	Strut Assembly
21a	AG724662	Deflector RH End 2-1/2"
21b	AG724663	Deflector LH End 2-1/2"
22	AG724655	Deflector Center 2-1/2"



AirMax 180 Boom Suspension



Ref	Part	Description
1	AG060431	Clevis LH Thread
2	AG060432	Link
3	AG060433	Hex Nut 1"
4	AG060434	Clevis RH Thread
5.1	AG060435	Lug Cylinder RH
5.2	AG060436	Lug Cylinder LH
6	AG060437	Pin Clevis
7	AG523175	Rubber Bumper
8	AG060439	Collar Retainer
9	AG060440	Collar Spacer
10	AG060441	Collar Pivot
11	AG725887	Pivot Assembly RH/LH
12.1	AG060442	Suspension Arm Assembly RH
12.2	AG060443	Suspension Arm Assembly LH
13	AG060444	Bushing Shock Absorber
14	AG523294	Shock Absorber



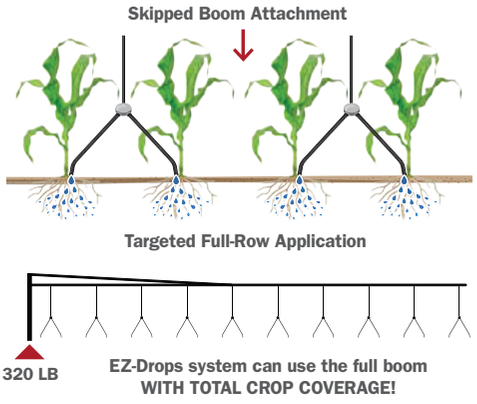


No other system does what EZ-Drops can.

Y-Logic by EZ-Drops is the innovative, accurate, and light-weight system that allows you to cover MORE ACRES with each pass.

Y-Logic is designed to allow a 120' set up on 30"rows to weigh in at just under 320 lb including all the brackets and extensions. This achieves optimum placement at every row with a full boom of attachments.

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AGCO Your Agriculture Company

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Updated Order Process for Millennium Boom Promo

Promo 817-1

FENDT

120’ Aluminum Boom Kits for Fendt Rogator

Use the guide below to place your order on Promo 817-1.
You will select 3 total part numbers to complete your order.

Select **Both** of these Part Numbers

1. **ACP0861290** - 120’ Aluminum Boom for Fendt Rogator
2. **ACP0984960** - Cradles, Tilt Cylinders, Hydraulics, & Side Mirrors

AND Select 1 of these 4 Plumbing options

Nozzle Complete Includes Plumbing + Opti Stop	120' x 15" Spacing	ACP0984920
	120' x 20" Spacing	ACP0984930
Nozzle Ready Includes Plumbing Only	120' x 15" Spacing	ACP0984940
	120' x 20" Spacing	ACP0984950

Important details:

- New Parts list for Fendt Rogator 120’ Aluminum boom options
- Please allow up to **120 day** lead time
- Freight Charges will Apply
- **Select 3** total part numbers from this bulletin to complete your order

1. ACP0861290
2. ACP0984960
3. Choice of Plumbing Kit

Millennium BOOMS

- Fully assembled booms ship direct to dealer locations
- One-Touch Fold Compatibility
- Allow up to 120 day lead time for delivery,
- 15” & 20” nozzle spacing variants
- Freight charges apply



For Additional AGCO Aftermarket Rate & Section Control kits on steel boom configurations, see the Technology Catalog on the Dealer Portal.

Contact your Aftersales Manager for additional information

AGCO Your Agriculture Company

AGCO Reserves the right to rescind or change this offer at any time.
For more information, contact your FAM or IAM.
US & Canada Bulletin No.: 1024S7424
11/04/24

New Leader Manufacturing Ship Direct Kits now available through AGCO Parts

Available for RoGator, TerraGator, and Fendt Rogator 900



New Leader Manufacturing was founded with a singular focus: to build the best equipment possible. Whether that's spreading salt to de-ice a highway or nutrients to fertilize a crop, we've made our business making sure you have the tools to apply precisely what you need, when you need it. Because we believe that precision on the back end translates to precision on the front line where the work gets done.

Fendt Rogator 900 Series

Part	Description
ACP0784440	End Gate - Kit NL4500 5' Feed Gate 102 + 6
ACP0784450	End Gate - Kit NL4500 12' Feed Gate 102 + 6
ACP0784460	5' MultApplier - Kit NL4500 12'
ACP0784470	MultiBin - Kit NL4500 12'
ACP0784480	End Gate - Kit NL5000 5' Feed Gate 102 + 6
ACP0784490	End Gate - Kit NL5000 12' Feed Gate 102 + 6
ACP0784500	5' MultApplier - Kit NL5000 12'
ACP0784510	MultiBin - Kit NL5000 12'
ACP0784520	Side Board - Kit 12' Single Bin





RoGator

Part	Description	RG & RG Series	C Series
ACP0784320	L4258G4 409 #4 MR	✓	
ACP0784330	MultApplier 5' Kit for L4258G4		
ACP0784340	L4258 G4 Edge 409 #4 MR		✓
ACP0784350	MultApplier 5' - L4258 G4 Edge		
ACP0784360	L4330 G4 Edge 409 #4 MR		
ACP0784370	L4330 G4 Edge 304 #4 MR		
ACP0784380	MultApplier 5' - L4330 G4 Edge		
ACP0784390	L5258 G5 409 #4 MR		
ACP0784400	MultApplier Kit 5' L5258 G5		
ACP0784410	L5300G5 409 #4 MR		
ACP0784410	L5300G5 304 #4 MR		
ACP0784430	MultApplier Kit 5' L5300 G5		

TerraGator

Part	Description	RG & RGB Series	C Series
ACP0784530	L4000 14' #4 409 MR	✓	
ACP0784540	L4000 14' #4 304 MR		
ACP0784550	MultApplier 7' - for 14' L4000		
ACP0784560	L4500 G4 Edge 14' #4 409 MR		✓
ACP0784570	L4500 G4 Edge 14' #4 304 MR		
ACP0784580	L4500 G4 Edge 14' #3 304 HP MR		
ACP0784590	L4500 G4 Edge 14' #3 409 HP MR		
ACP0784600	L4500 G4 Edge 15' #3 409 HP MR		
ACP0784610	MultApplier Kit 5' - 4500 G4 Edge		
ACP0784620	MultApplier Kit 7' - 4500 G4 Edge		
ACP0784630	L5000 G5 14' #4 409 MR		
ACP0784640	MultApplier Kit 5' - 5000		
ACP0784650	MultiBin Kit NL4500 14'		
ACP0784660	MultiBin Kit NL5000 14'		
ACP0784670	L5034 14' with ISO control		
ACP0784680	L5034 16' with ISO control		**TG9300 Only**

To find your nearest dealer or to order, go to parts.agcocorp.com

The Application Lift System

for Fendt Rogator, RoGator, TerraGator, and competitor sprayers*

The Application Lift System, the best system to combo swap the wet/dry systems on your sprayer.

- → Works with Fendt Rogator, RoGator, TerraGator, and competitor sprayers*
- → Available in single-bay and multi-bay configurations



Application Lift System

Order Guide

Parts List:

ACP0940340

Single Bay Structure



ACP0940350

Extension Bay



ACP0940360

Hoist (QTY 1; order 4 per bay)



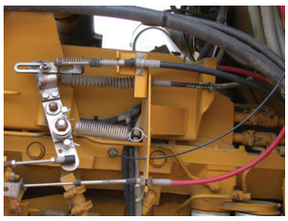
Configuration	ACP0940340 Order QTY	ACP0940350 Order QTY	ACP0940360 Order QTY
1 Single bay	QTY: 1	N/A	QTY: 4
2 Single bays (separated)	QTY: 2	N/A	QTY: 8
1 Double bay (1 single + 1 extension)	QTY: 1	QTY: 1	QTY: 8
1 Triple bay (1 single + 2 extensions)	QTY: 1	QTY: 2	QTY: 12

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TerraGator Chassis Parts

Throttle Cable 39"



Applications:
- 1603 with Cummins VT555 engine.
- 1664 with Cat 3208T engine and automatic transmission.
- 2505 with Cummins 903 engine.

Note: *The last set of digits imprinted on the cable verifies the length. * is a return spring for a 3208T. ** is the return spring for a Cummins.*

Part	Description
AG510394	Cable Accelerator 39"
AG515411	Ball Joint
AG551384	Clevis (Cummins)
AG515034	Return Spring **
AG107689	Return Spring *

Throttle Cable 42"

Application: 1664 with Cummins VT555 engine.

Note: *The last set of digits imprinted on the cable verifies the length. * is the return spring for a Cummins.*

Part	Description
AG515411	Ball Joint
AG515034	Return Spring *

Throttle Cable 54"

Applications:
- 1603, 1703, 1803, 1844 with Cat 3208T or Cummins 6CTA engine
- 1664 with Cat 3208 and manual transmission
- 2505 with Detroit 8V/92 engine

Notes: *The last set of digits imprinted on the cable verifies the length. * is the return spring for a 6CTA engine. ** is the return spring for a 3208T engine.*

Part	Description
AG515945	Cable Accelerator 54"
AG515411	Ball Joint
AG516306	Return Spring *
AG107684	Return Spring **

Throttle Cable 72"

Applications: 1903, 2505 with Cummins L10 engine.

Notes: *The last set of digits imprinted on the cable verifies the length. * is the return spring for a 1903. ** is the return spring for a 2505.*

Part	Description
AG516536	Accelerator Cable 72"
AG515411	Ball Joint
AG107689	Return Spring *
AG515034	Return Spring **

Cab Components

Electronic Instrument Panel (EIP)

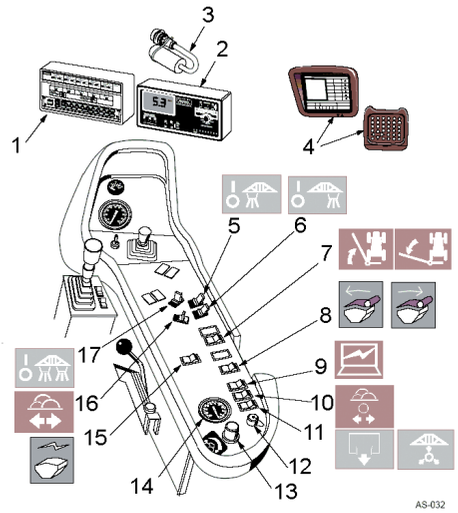


These are all right-hand remanufactured EIP modules. The right-hand EIP is the primary controller of the dash. The right EIP feeds the information to the left-hand side. EIPs are used on all Crenlo cab TerraGators® and RoGators®.

Notes: *There is a core charge on all replacement EIPs sold. A core charge of $424.00 will be added for any EIP ordered. This will be credited on receipt of the used EIP. Reference TerraGator Service Bulletin 0231B for more details on the EIP part numbers and their specific machine usages.*

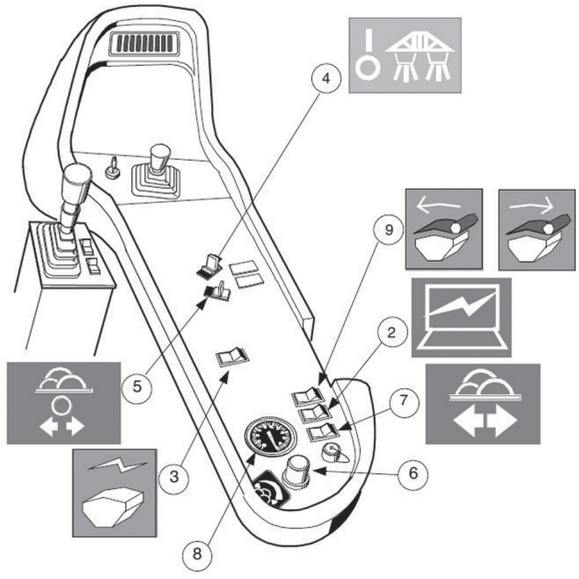
Part	Description
AG799964	Reman RH EIP 1998 8103
AG799958	Reman RH EIP 1999 3104
AG799959	Reman RH EIP 1999 8103
AG799960	Reman RH EIP 1999 8104
AG799965	Reman RH EIP 2000 3104
AG799963	Reman RH EIP 2000 6103, 8103, 8104, 8144
AG799961	Reman RH EIP 2000 1054/1254 RoGator
AG799968	Reman RH EIP 2001 6103, 8103, 8104, 8144 2002 6103, 8103, 8104
AG799966	Reman RH EIP 2001/2002 9103
AG799969	Reman RH EIP 2001 1254 RoGator
AG799971	Reman RH EIP 2002 6103, 8103, 8104, 8144
AG897011	Reman RH EIP 2003 8104/8144 with Datcon Fuel Sender
AG897018	Reman RH EIP 2004/2005 8104/8144
AG897017	Reman RH EIP 2004/2005 6103/8103
AG897014	Reman RH EIP 2003 6103/8103 with VDO Fuel Sender
AG897007	Reman RH EIP 2003 6103/8103 with Elobau Fuel Sender
AG799969	Reman RH EIP 2002 1254 RoGator

Cab Controls 1998-2003 Air Spread Switches



Ref	Part	Description
5,6,17	AG520952	Switch
7,8,10,11	AG520949	Switch
9	AG520947	Switch Rocker
13	AG520889	Regulator Foam Marker
15	AG520950	Switch Rocker (Hydraulic and Electric Lockout)
16	AG520954	Switch
18	AG522358	Boom Up/Down RH/LH

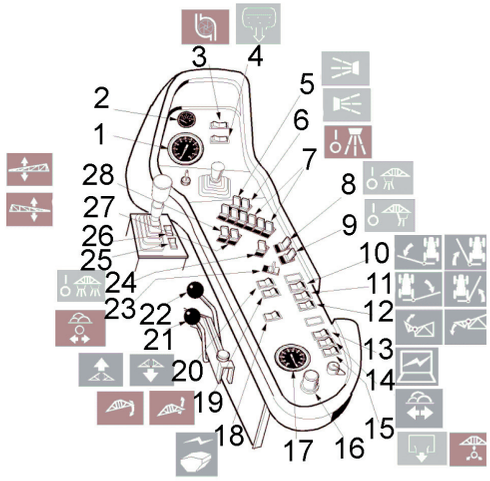
Cab Controls 1998-2003 New Leader



Ref	Part	Description
2	AG520947	Switch, Controller Power
3	AG520950	Switch, Hydraulic/Electric Lockout
4	AG520952	Switch, Product Master Apply
5	AG520954	Switch, Foam Marker (Optional)
6	AG236810	Regulator, Foam Marker (Optional)
7	AG520947	Switch, Dual Foam Marker (Combo Units)
8	AG521934	Gauge, Foam Marker Pressure (Optional)
9	AG520947	Switch, Roll Tarp

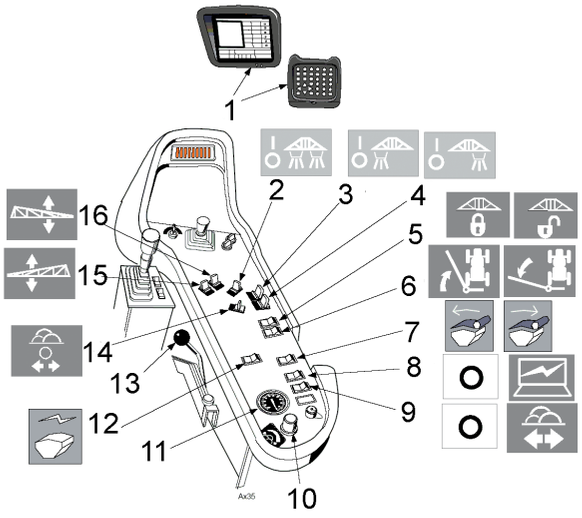
Cab Controls 1998-2003 Liquid System

NOTE: Because of different options ordered for your machine, the appearance and location of controls and instruments may be different than what is shown on the illustrations.



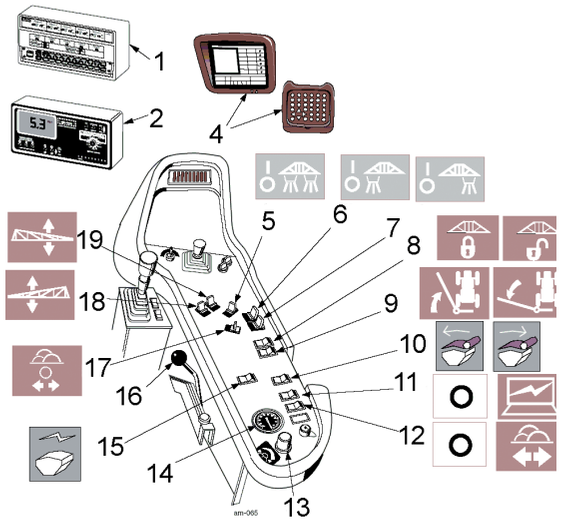
Ref	Part	Description
1	AG520671	Electrical Pressure Gauge 0-100 PSI
2	AG129739	Product Pump Pressure Gauge
3,4,12,14	AG520947	Switch Rocker
5,6,7,8,9,24 10,11,12	AG520952	Switch
15,19,20	AG520949	Switch
16	AG236810	Foam Marker Air Pressure Control Knob
18	AG520950	Switch Rocker (Hydraulic and Electric Lockout)
17	AG521934	Mechanical Pressure Gauge 2-1/2" 0-100 PSI
21,22	NLA	Sparger Control Lever
21.1	AG609964	Red Knob Control
22.2	AG609965	Green Knob Control
23	AG520954	Switch
25	AG520946	Switch Rocker
27,28	AG522358	Boom Up/Down RH/LH

Cab Controls 2003 and Below AirMax 1000/2000



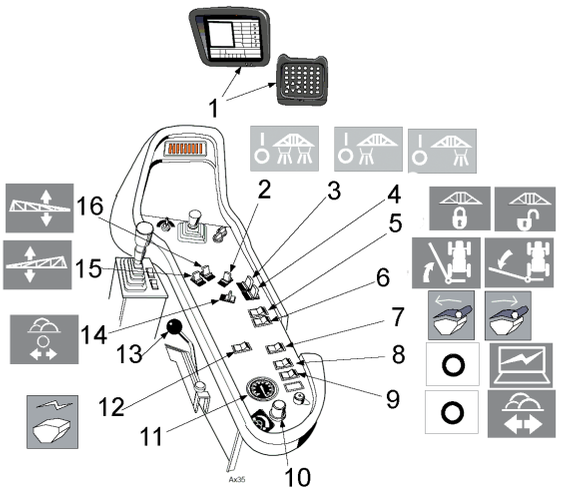
Ref	Part	Description
2,3,4	AG520952	Switch
5,6,7	AG520949	Switch
8,9	AG520947	Switch Rocker
10	AG236810	Foam Marker Air Pressure Control Knob
11	AG521934	Foam Marker Pressure Gauge Assembly
12	AG520950	Switch Rocker (Hydraulic and Electric Lockout)
14	AG520954	Foam Marker Selector Switch
15,16	AG522358	Boom Up/Down RH/LH

Cab Controls 2004-05 AirMax V



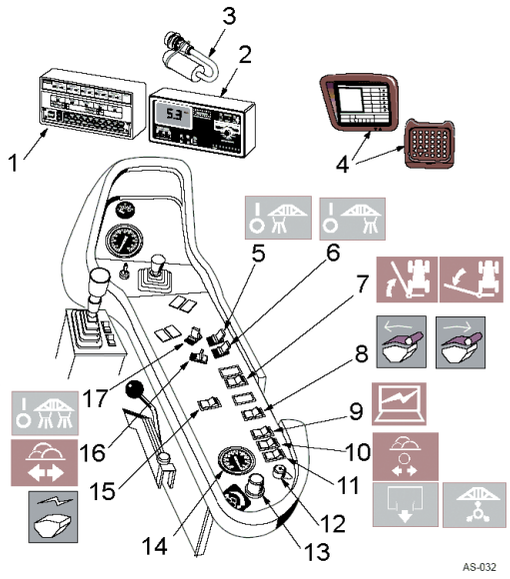
Ref	Part	Description
5,6,7	AG124433	Product Master Apply Switch
8,9,10	AG124432	Switch, On/Off/On 3-Prong
11,12	AG124430	Switch, On/Off 2-Prong
13	AG520889	Regulator Foam Marker
14	AG521934	Mechanical Pressure Gauge 2-1/2" 0-100 PSI
17	AG124435	Foam Marker Selector Switch
18,19	AG124434	Boom Lift Switch (LH/RH)
N/S	CH165-5975	Switch

Cab Controls 2004-2005 AirMax 1000/2000



Ref	Part	Description
2,3,4	AG124433	Product Master Apply Switch
5	AG124432	Switch
6,7	AG124661	Boom Fold Switch
7,8	CH165-5975	Switch
9	AG124430	Switch
10	AG236810	Foam Marker Air Pressure Control Knob
11	AG521934	Foam Marker Pressure Gauge Assembly
14	AG124435	Foam Marker Selector Switch
15,16	AG124434	Boom Lift Switch (LH/RH)

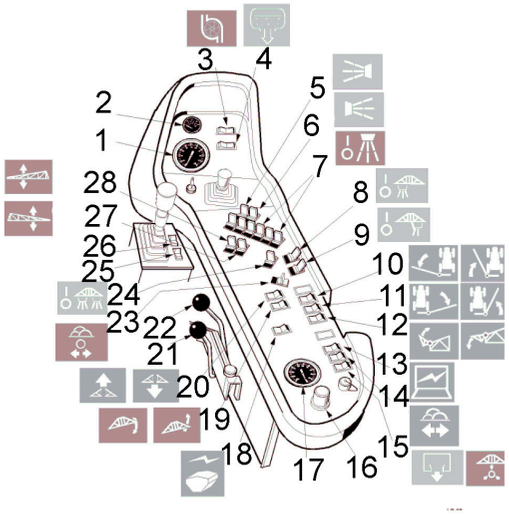
Cab Controls 2004-2005 Air Spread Switches



Ref	Part	Description
7,8,11	AG124432	Switch
9,10	AG124430	Switch
13	AG520889	Regulator Foam Marker
14	AG521934	Mechanical Pressure Gauge 2-1/2" 0-100 PSI
16	AG124435	Foam Marker Selector Switch
5,6,17	AG124433	Product Master Apply Switch
N/S	AG516800	Cable Fan Speed
N/S	CH165-5975	Switch

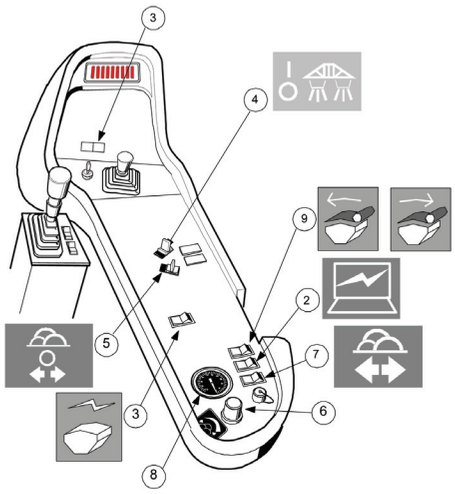
Cab Controls 2004 Liquid System

NOTE: Because of different options ordered for your machine, the appearance and location of controls and instruments may be different than what is shown on the illustrations.



Ref	Part	Description
1	AG520671	Electrical Pressure Gauge 0-100 PSI
2	AG129739	Electrical Pressure Gauge 0-150 PSI
3,4	AG124431	Sump Pump Switch
5,6,7,8,9	AG124433	Product Master Apply Switch
10,11,12	AG124432	Switch
13,14,15	AG124430	Switch
17	AG521934	Mechanical Pressure Gauge 2-1/2" 0-100 PSI
19,20	AG520947	Switch Rocker
21	AG516800	Cable Fan Speed
N/S	AG513848	Manual Nozzle Pressure Throttle Control
23	AG124435	Foam Marker Selector Switch
25	AG520946	Switch Rocker
26	AG520949	Switch
27,28	AG124434	Boom Lift Switch (LH/RH)
N/S	CH165-5975	Switch

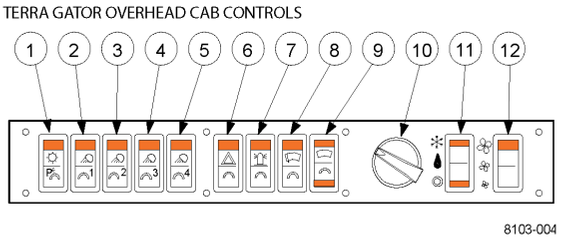
Cab Controls 2004-2005 New Leader



Ref	Part	Description
2,3,7	AG124430	Switch
4	AG124433	Product Master Apply Switch
5	AG124435	Foam Marker Selector Switch
6	AG520889	Regulator Foam Marker
8	AG521934	Mechanical Pressure Gauge 2-1/2" 0-100 PSI
9	AG520949	Switch Roll Tarp

TerraGator Overhead Cab Controls

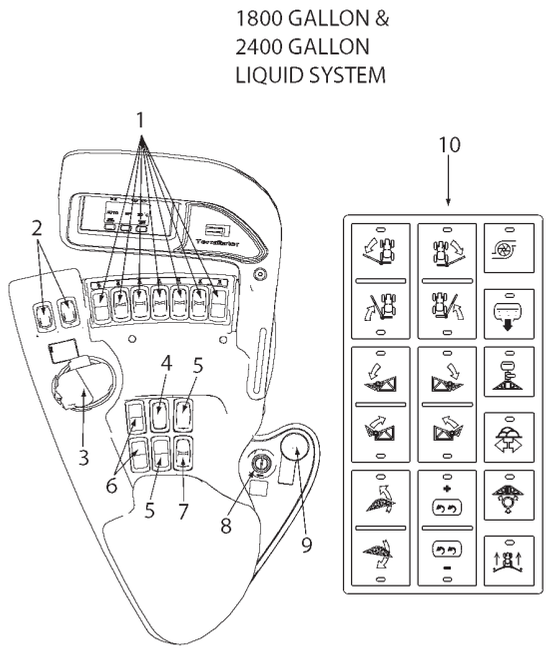
This drawing pertains to pre-2006 models.



Ref	Part	Description
1	AG520945	Road Park Light Switch
2,3,4,5,6,7	AG520946	Switch Rocker
8	AG520955	Windshield Wiper Switch
9	AG520951	Windshield Washer Switch
10	AG718792	Temp Control
10.1	AG718793	Knob for Temp Control
11	AG718791	A/C and Heater Switch
12	AG718790	Switch, Fan Blower
n/a	AG719984	Switch Plate Decal

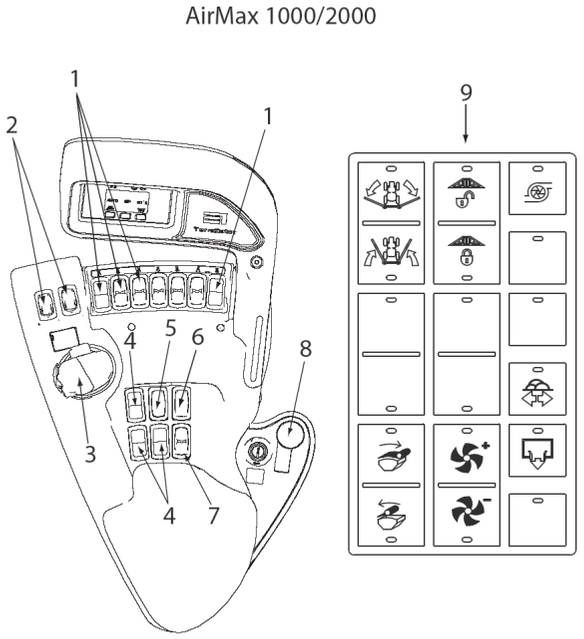
Cab Controls 2006/2007 Liquid System

This information pertains to both the 1,800- and 2,400-gallon systems.



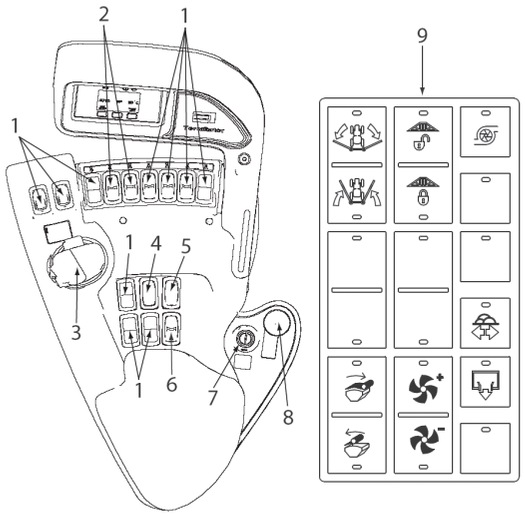
Ref	Part	Description
1	AG124433	Product Master Apply Switch
2	AG124434	Boom Lift Switch (LH/RH)
3	533917D1	Grip Control Transmission
4	AG127131	Switch Rocker On/Off
5	AG124432	Switch
6	CH165-5975	Switch
7	AG124435	Foam Marker Selector Switch
8	AG520862	Switch Ignition Keys
9	AG135988	Switch Push Button
10	AG136294	Keypad Rubber Liquid System
n/a	AG124432	Benson Boom Hoist Switch

Cab Controls 2006/2007 AirMax 1000/2000



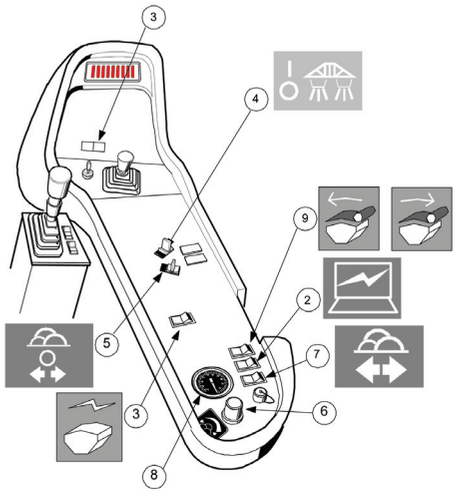
Ref	Part	Description
1	AG124433	Product Master Apply Switch
2	AG124434	Boom Lift Switch (LH/RH)
3	533917D1	Grip Control Transmission
4	CH165-5975	Switch
5	AG127131	Switch Rocker On/Off
6	AG124432	Switch
7	AG124435	Foam Marker Selector Switch
8	AG135988	Switch Push Button
9	AG136293	Keypad Rubber Dry System

Cab Controls 2006/2007 Air Spreader



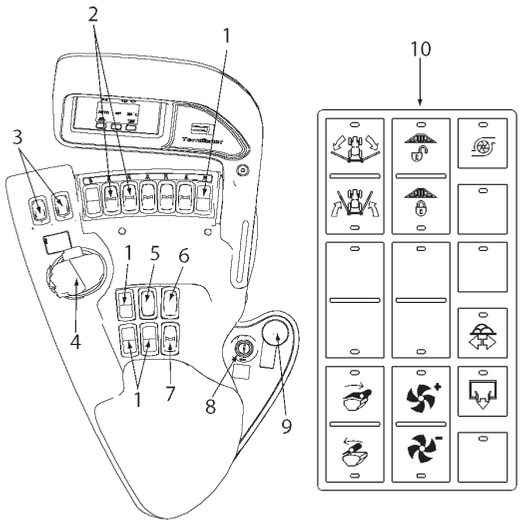
Ref	Part	Description
1	AG124432	Switch
2	AG124433	Product Master Apply Switch
3	AG124435	Foam Marker Selector Switch
4	CH165-5975	Switch
5	AG127131	Switch Rocker On/Off
6	AG520862	Switch Ignition Key
7	533917D1	Grip Control Transmission
8	AG135988	Switch Push Button
9	AG136293	Keypad Rubber Dry System

Cab Controls 2006/2007 New Leader



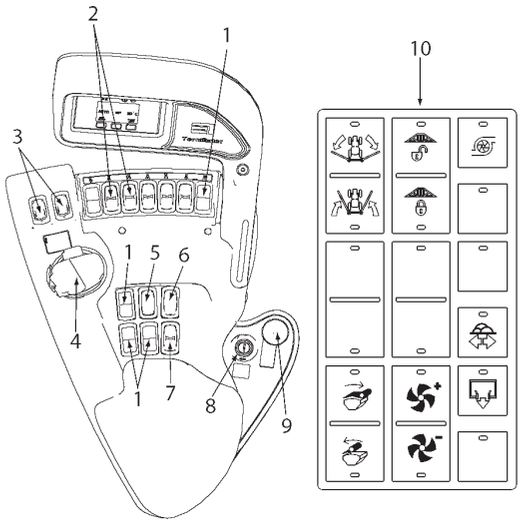
Ref	Part	Description
7,9	AG124432	Switch
5	AG124435	Foam Marker Selector Switch
4	AG127131	Switch Rocker On/Off
7	533917D1	Grip Control Transmission
3	AG135988	Switch Push Button

Cab Controls 2006/2007 Air Spreader



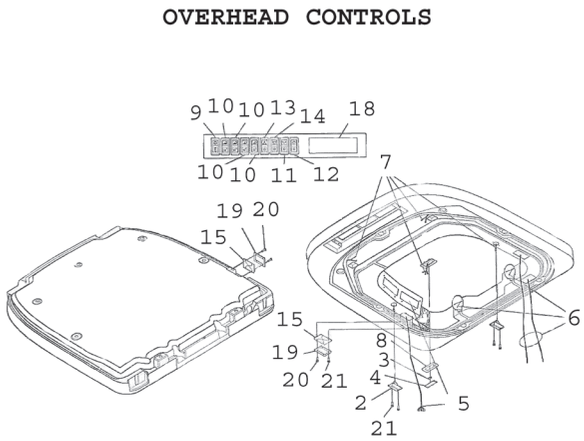
Part	Description
AG124433	Product Master Apply Switch

Cab Controls AirMax V 2006/2007



Ref	Part	Description
1	CH165-5975	Switch
2	AG124433	Product Master Apply Switch
3	AG124434	Boom Lift Switch (LH/RH)
4	533917D1	Grip Control Transmission
5	AG127131	Switch Rocker On/Off
6	AG124432	Switch
7	AG124435	Foam Marker Selector Switch
8	AG520862	Switch Ignition Keys
9	AG135988	Switch Push Button
10	AG136293	Keypad Rubber Dry System

Overhead Cab Controls 2006



Ref	Part	Description
2	AG725237	Dome Light Assembly
3	AG721357	Lamp 12-Volt
4	AG722838	Housing Dome Lamp
5	AG726134	Bracket Dome Lamp
6	AG330497	Wiring Harness Main Roof
7	AG132631	Wiring Harness Rear Roof
8	AG132641	Wiring Harness Front Roof
9	AG330500	Switch Road Light
10	AG330501	Switch Work light
11	AG330502	Switch Wiper
12	AG330503	Switch Washer
13	AG330504	Switch Hazard
14	AG330505	Switch Beacon
15	527880D1	Seal Rubber
18	552956D1	Controls HVAC
19	527880D1	Plate Wire Access
20	AG330509	Screw Sheet Metal
21	AG330510	Screw Number 6

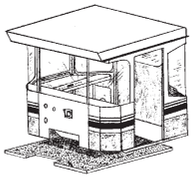
TerraGator Cab Mounts



Cab mounts should be replaced when they become soft. Bad mounts allow excessive movement of the cab, which can cause structural damage.

Part	Description
525969M1	2-1/2" (6 Required)
AG601276	3" (3 Required)

Floor Mats

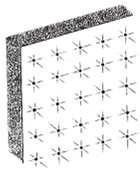


For TerraGator and Ag-Gator cabs.

Note: *Floor mats must be trimmed and cut to fit cab floor.*

Part	Description
AG516288	Floor Mats, 60" x 54"
AG604187	Corrugated Rubber Matting, 1/8" x 36" Wide
AG604186	Corrugated Rubber Matting, 1/4" x 36" Wide

Cab Interior Insulation



Black leather-like surface with polyfoam backing. Used on ceiling and walls. Sold in 54" width.

Note: *Price shown is per foot.*

Part	Description
AG607373	3/4" Thick Polyfoam
AG516289	1" Thick Polyfoam

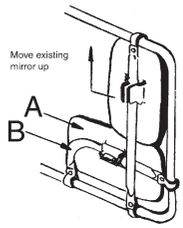
Sun Visor



Our tinted visor helps relieve eye strain when driving toward the sun. Can easily be mounted in most cabs.

Part	Description
AG514299	Sun Visor

Mirror Kit



For increased visibility toward the rear of the machine, add a mirror. A real plus for viewing deflectors on dry machines.

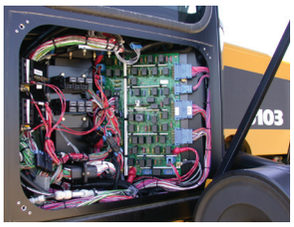
Part	Description
AG713407	Mirrors (Set of 2)
AG514742	Mirror Head 7-1/2" x 10"

Miscellaneous Cab Components

The following components are for the 8000 Series TerraGator cabs.

Part	Description
AG524340	Radio Antenna
516506D1	Door Assembly with Glass
517332D1	Door Glass Only
AG718804	Blower Motor up to 2003
AG727093	Blower Motor 2004 and Up
AG718805	Pressure Fan and Blower Motor Assembly
AG061196	Resistor for Fan Blower Motor 2004 and Up
AG718806	Resistor for Fan Blower up to 2003
AG727094	Wire Harness for Use with AG061196 Resistor
AG718798	Thermostat Heater, A/C
AG718787	Electronic Water Valve (Prior to 2006)
551911D1	Electronic Water Valve (Effective 2006)
AG718801	Expansion Valve
AG718807	12-Volt Relay
ACX2858030	Switch Door Kit
AG520862	Ignition Switch
AG723919	Gas Shock Kit for Tilt Steering Column
AG061269	Tilt Lever Kit
526534D1	Wiper Motor
ACX2743460	Wiper Blade Assembly
527886D1	Wiper Arm Pantograph
AG609614	Kit Pantograph Adapter

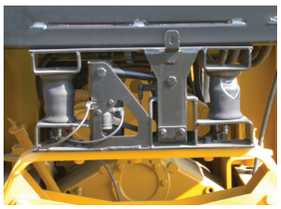
Crenlo Cab Fuse Panel



The fuse panel is located on the right-hand side of the cab. There are three spare relays on the board at K2, K6, and K16 locations. We recommend having spare fuses and relays on hand to minimize downtime.

Part	Description
AG719402	Fuse Panel
71396971	Relay
AG562933	Fuse 5 Amp
AG562931	Fuse 10 Amp
AG562930	Fuse 15 Amp
AG562929	Fuse 20 Amp
AG562928	Fuse 25 Amp
AG122995	Domestic Flasher Card (Up to 2001)
AG122995	MY2002 Flasher Card ASAE

Air Ride Cab Conversion



Upgrade your 6103/8103 cab to air ride! This kit includes all the components to modify the cab to an air ride. Increase the comfort level for the operator to increase productivity.

Notes: *Some cutting and welding required. Installation instructions included.*

Part	Description
AG060736	Air Ride Cab Conversion Kit 6103/8103

8000 Series Misc TerraGator Parts

The following are various service and maintenance parts relative to the 6103, 8103, 8104, and 8144.

Notes: *The AG330795 alternator, 140 amp, was possibly used on a few early 1998 and 1999 models of 1803/1844 TerraGators with the Deere engine. For units with the Deere engine, the belt idler is a Deere part number RE68714. The belt idler tensioner is our part number AG332395, shown in the parts list.*

Part	Description
AG516873	Sender 1/8" Pressure Electric (Rearward Mounted, Single Wire)
3010471X1	O-rings for A/C Compressor .38 (2 Required)
AG122995	Flasher Domestic
AG520216	Temperature Sender
AG520660	Switch-Oil Pressure (Forward Mounted, 3-Wire)
AG332395	Belt Idler Tensioner
AG520596	Power Steering Pump
AG711567	Gasket Power Steering Pump
AG521790	Turbo Adapter
AG719010	Turbo Clamp
AG719144	Air Conditioner Compressor
AG719249	Engine Air Compressor
NLA	Starter
AG610173R	Reman Starter
AG521601	Alternator 200 Amp 8103, 8104, 8144
AG330795	Alternator 140 Amp 6103, 1803/1804/1844 with Deere

1998-2003 Air Conditioning

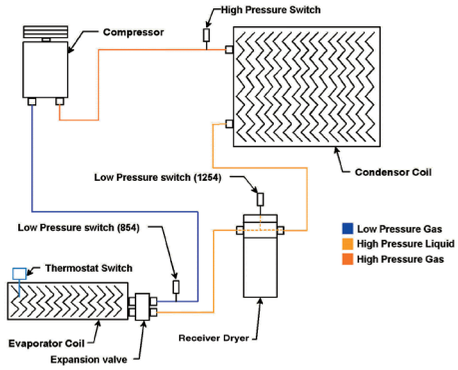
Applications: 1998-2003 TerraGators 8103, 8104, 3104, 6103, 8144.

Part	Description
AG718802	Grommet - Boot (Duckbill 4 Per)
AG718806	Resistor for Fan Blower up to 2003
AG234426	Buss Assembly 4-Prong with Diode
AG718798	Thermostat Heater, A/C
AG518525	O-ring .50
AG518526	O-ring .63
AG514631	High-Pressure Switch
AG607237	Low-Pressure Switch
AG718805	Pressure Fan and Blower Motor Assembly
AG725568	Blower Motor
AG718801	Expansion Valve
3010471X1	O-rings for A/C Compressor .38 (2 Required)
AG718803	Evaporator Coil
AG420834	Condenser Coil
593052D2	Receiver Dryer
AG719144	Air Conditioner Compressor

2004-2005 Air Conditioning

Applications: 2004-2005 air conditioning for TerraGators 8103, 8104, 3104, and 6103. The AG516854 relay is used for the HVAC on the 2004 TerraGators and is located in the side panel between the PDM blocks and master module.

Note: *AG137459 includes the Schrader valve, O-ring cap, and port adapter.*



Part	Description
AG719144	Air Conditioner Compressor
593052D2	Receiver Dryer
AG420834	Condenser Coil
AG727102	Evaporator Coil
AG718801	Expansion Valve
AG727093	Blower Motor 2004 and Up
AG607237	Low-Pressure Switch
AG718798	Thermostat Heater, A/C
AG718805	Pressure Fan and Blower Motor Assembly
AG718807	12-Volt Relay
AG061196	Resistor for Fan Blower Motor 2004 and Up
AG718787	Electronic Water Valve
AG727097	Heater Core
AG137459	Port Charge Assembly
AG328801	Fitting/AMFM Drain (Duckbill 4 Per)
AG516864	Relay 75 Amp

2003-2008 864/1064/874/1074 Air Conditioning

Applications:

- 2003-2004 864/1064 RoGator.
- 2005-2008 874/1074 RoGator.

Note: *AG713362 heater control is used on serial number 864010104 and below and 1064010704 and below. For more information on the overhead controls for 864010204 and up and 1064010804 and up, please refer to the 2004-2006 8/1064 and 874/1074 Overhead Cab Controls section referred to later in this section.*

Part	Description
AG120976	A/C Compressor
593052D2	Receiver Dryer
AG607237	Low-Pressure Switch
AG423598	Condenser Coil
AG713359	Low-Pressure Switch
AG714552	Expansion Valve
AG712815	Pressurizer Motor
AG712813	Blower Motor

Fork Assembly

Fork Assembly (Bushing Style)



The brass bushing-style front fork was used on all three-wheel TerraGators until 1996. Make sure you inspect this area of your machine regularly.

Note: *() = Quantity required.*

Part	Description
549160D1	Front Wheel Bearings
AG300640	Radial Bushing (2)
AG200069	Thrust Washer (1)

Fork Assembly (Bearing Style)



This style fork assembly was used on the Generation 1 TerraGator starting in 1997. (1603, 1803, 1903, 2505).

Note: *() = Quantity required. * AG510149 bearings are for the 1903 and 2505 machines.*

Part	Description
549160D1	Front Wheel Bearings
AG510149	Front Wheel Bearings (2) *
AG519695	Spindle Seal (1)
AG519693	Bearing Cone (2)
700710370	Bearing Cup (2)

Fork Assembly Newer Style Cab



This front fork assembly is used on the three-wheel TerraGator models 6103, 8103, 9103, and 9105.

Note: *() = Quantity required. * AG510149 wheel bearings are for the 9103 and 9105 machines.*

Part	Description
549160D1	Front Wheel Bearings
AG510149	Front Wheel Bearings (2) *
AG520701	Spindle Seal (1)
AG520699	Bearing Cone (2)
AG520700	Bearing Cup (2)
AG237639	Spindle Gasket (1)

Transmissions

Torq-Boost 18-Speed



This transmission uses either Dexron II or Dexron III, approximately 8-1/2 gallons. Used on 1903 and 9103 machines.

Notes: *() = Quantity required. There is a core charge added to new transmissions and Reman transmissions. The amount credited depends on the condition of the core.*

Part	Description
AG712106	Transmission Filter Kit (Torq-Boost) (1)
AG713896	Solenoid and Harness
AG334851	Single Coil with Leads
AG712217	Seal O-ring

Torq-Boost

This transmission uses either Dexron II or Dexron III, approximately 8-1/2 gallons. Used on 1803 machines. This was used starting with the electronic speedometer units released May 1994.

Notes: *() = Quantity required. There is a core charge added to new transmissions and Reman transmissions. The amount credited depends on the condition of the core.*

Part	Description
AG712106	Transmission Filter Kit (Torq-Boost) (1)
AG713896	Solenoid and Harness
AG713259	Solenoid
AG334851	Single Coil with Leads
AG715190	Seal O-ring

Allison Automatic Transmission

This transmission was used on 1603 and 1664 machines with Cat 3208 engines. Allison part number is E001469.

Notes: *() = Quantity required. There is a core charge added to new transmissions and Reman transmissions. The amount credited depends on the condition of the core.*

Part	Description
AG711135	Automatic Transmission Filter (Internal)
AG725826	Automatic Transmission Filter (1) Aux. Transmission Spin On

Automatic 643 Transmission

This transmission was used on 1803 and 1844 with Cummings 6CTA engines and 1703. AG711135 is a paper filter type and gasket kit and was used previously on the AG717483. There is no definite serial number break on their usages.

Notes: *() = Quantity required. There is a core charge added to new transmissions and Reman transmissions. The amount credited depends on the condition of the core.*

Part	Description
AG331219	Pan Filter
AG711135	Automatic Transmission Filter (Internal)

TerraShift 11-Speed



This transmission is used on the 3104.

Notes: *There is a core charge added to new transmissions and Reman transmissions. The amount credited depends on the condition of the core.*

Part	Description
AG520516	TerraShift Transmission
AG799800	Reman TerraShift Transmission
AG610114	Filter, Transmission
AG610342	Switch, Oil Filter Bypass
AG723645	4 x 4 Coil
534012D1	Drive Coupler (6203/8203/8204/8244 w/ CAT C9)

TerraShift 11-Speed Transmission



Was used on 1803, 1844, 8103, and 8104 with John Deere engines.

Note: *There is a core charge added to remanufactured transmissions. The amount credited depends on the condition of the core.*

Part	Description
AG799564	Reman Transmission Power Shift 11-Speed
AG610114	Filter, Transmission
AG610342	Switch, Oil Filter Bypass
AG330786	Solenoid Assembly
AG335075	Torsion Dampener
AG705652	Washer for Nut
AG610831	ECU to 2002 (Select Shift)
AG722644	ECU to 2002 (Non-Select Shift)
AG120658	ECU Starting in 2003
AG716871	Yoke Output
AG722855	Sensor Magnetic Cylinder Speed
AG716879	Sensor Speed Output
AG716881	O-ring for Sensors
AG723892	Harness Wire from Main Plug to Coils and Sensors
AG725531	Shaft Input
AG716862	Bump Shifter
AG716869	Temperature Sensor
AG521603	Sender Temperature
AG330786	Coil 12-Volt
AG332285	Charge Oil Pump Kit
AG714137	O-ring Between the Pump and Transmission
AG332420	Charge Pump Only
AG061132	Service Kit for Installation of AG332420
AG138347	Dipstick
AG610342	Oil Bypass Switch

8144 TerraShift Transmission

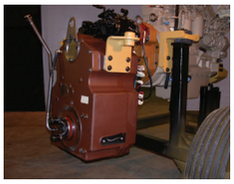


Note: *There is a core charge added to new transmissions and Reman transmissions. The amount credited depends on the condition of the core.*

When ordering AG143715 oil seal output, you also need to order one of AG716873 and one of an AG716874.

Part	Description
AG799842	Reman PowerShift Transmission
AG610114	Filter, Transmission
AG610342	Switch, Oil Filter Bypass
AG330786	Solenoid Assembly
AG723645	4 x 4 Coil
AG335075	Torsion Dampener
AG138347	Dipstick
AG334734	Seal Oil Input
AG725531	Shaft Input
AG610831	ECU to 2002
AG120658	ECU Starting in 2003
AG722855	Sensor Magnetic Cylinder Speed
AG716879	Sensor Speed Output
AG711883	O-ring for Sensors
AG143715	Seal Oil Output
AG335075R	Remanufactured Torsion Dampener
AG332285	Charge Oil Pump Kit
AG330786	Coil 12-Volt
AG714137	O-ring Between the Pump and Transmission
AG332420	Charge Pump Only
AG061132	Service Kit for Installation of AG332420

6103 PowerShift 11-Speed

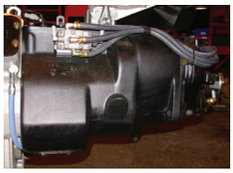


Used on 6103 for 2002 and prior years. For 2003 and later, the transmission is a 521591, which can be used on older 6103s as well.

Note: *There is a core charge added to new transmissions and Reman transmissions. The amount credited depends on the condition of the core.*

Part	Description
AG610114	Filter, Transmission
AG610342	Switch, Oil Filter Bypass
AG330786	Solenoid Assembly
AG330786	Coil 12-Volt

9105 18-Speed Transmission



For 9105 machines.

Note: *There is a core charge added to all new transmissions. The amount credited depends on the condition of the core.*

Part	Description
AG060749	18-Speed Transmission

TerraShift Transmission with Tier II Engine

This transmission is used with 8103s and 8104s starting in 2003 with the Tier II engines.

Part	Description
AG328923	Transmission/TerraShift
AG799564	Reman Transmission Power Shift 11-Speed
AG120658	ECU Starting in 2003
AG610114	Filter, Transmission
AG610342	Switch, Oil Filter Bypass
AG330786	Solenoid Assembly

Clutches

Applications:

- 1603 and 1664 machines use 518105.
- 1803, 1844, and 2505 with L10 Cummins use 518104.

Part	Description
AG518104	Clutch 14" x 2" Spline Kwick-Adjust
AG518105	Clutch 14" x 1-3/4" Kwick-Adjust
559827D1	Clutch 15-1/2" x 2" Spline Kwick-Adjust
AG510343	Pilot Bearing
AG510211	Clutch Brake for 1-3/4" Spline
AG510270	Clutch Brake for 2" Spline

Axles

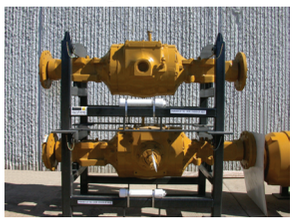
AN53 Low-Speed Axle

This axle was used on the early 1603. The AN53 low-speed axle center section has the flat cover on the topside. Serial number 1612147 and below.

Notes: *There is a core charge added to new axles and Reman axles. The amount credited depends on the condition of the core.*

Part	Description
AG799974	Reman AN53 Low-Speed Axle
AG714339	Brake Kit (1 Kit Per Axle)
AG707619	Breather for JD AN52, AN53
AG712900	Bearing Kit - Center Section
AG561201	Stud Bolt (14 Used Per Side)
AG521690	Flat Washer (Used with Stud Bolts)

AN53 High-Speed Axle



The AN53 axle center section has the flat cover on the top side and axle-mounted park brake pads.

- 1603—serial number 1612157 first machine with high-speed axle
- 1803—serial number 1823331 last machine with high-speed axle

Notes: *There is a core charge added to new axles and Reman axles. The amount credited depends on the condition of the core.*

Part	Description
AG799973	Reman AN53 High-Speed Axle
AG707619	Breather for JD AN52, AN53
AG561201	Stud Bolt 3/4-16" UNF (14 Used Per Side)
AG521690	Flat Washer (Used with Stud Bolts)

Teammate II Axle

This axle was used on 1992 and early 1993 1603T and 1803s. The Teammate II axle center section has a flat cover on the front side. The brakes on this axle use tangs instead of dowel pins.

Notes: *There is a core charge added to new axles and Reman axles. The amount credited depends on the condition of the core. Contact us for parts on the pre-1992 Teammate II axles.*

Part	Description
AG799975	Reman Teammate II Axle
AG714513	Brake Kit (1 Per Axle)
AG719687	Outboard Bearing Kit (2 Per Axle)
AG712530	Bearing Kit Complete Axle
AG609239	Breather for JD Teammate (3/8" NPT)
AG711832	Lead Ball
AG562636	Stud Bolt 3/4-10 UNC x 2-1/4"
AG562636	Stud Bolt 3/4-10UNC x 2-1/4" GR.8 (28 Per Axle)
AG521690	Flat Washer Hardened (Used with Stud Bolts)

Teammate II with Air Brake



This axle was first used in late 1993 and is on 1603s, 1803s, and 8103s. It has external brakes with the air canister mounted on the axle.

Notes: *There is a core charge added to new axles and Reman axles. The amount credited depends on the condition of the core. There are no serviceable parts inside the air canister.*

Part	Description
AG799976	Teammate II with Air Brake
AG799976	Reman Teammate II with Air Brake
AG609239	Breather for JD Teammate (3/8" NPT)
591632D1	LH Slack Adjuster
591633D1	RH Slack Adjuster
ACP0511660	Brake Kit, 4 Per Axle
AG714601	Seal, Outer Axle Shaft
AG523776	Stud Bolt 7/8"
AG523369	Washer, Flat - Hardened 0.94 - Black (28 Per)
AG714604	Air Chamber, Brake
AG715813	Clevis Assembly for Air Brake Chamber
AG723940	Breather Tube Kit for Air Brake Chamber
AG563063	Stud Bolt 7/8-14 x 2-3/4 Zinc

Park Brake Pads



Kit contains two pads, two springs, and spring retainer pins.

Part	Description
AG605620	Park Brake Pads

Steering Cylinder 3-1/2" x 14"



This cylinder is used on 3104.
Note: *Part number is stamped on cylinder casing.*

Part	Description
AG122389	Hydraulic Cylinder 3-1/2" x 14"

Steering Cylinder 2" x 14"



This steering cylinder was used on the 1603, 1803, and early 2505s.
Note: *Part number is stamped on cylinder casing.*

Part	Description
AG516881	Hydraulic Cylinder 2" x 14"
AG711295	Seal Kit
594626D1	Ball End Torque Arm
AG219606	Boot (Available While Supplies Last)

Steering Cylinder 2-1/2" x 14"



This cylinder is used on the 1903 and 2505 machines.
Note: *Part number is stamped on cylinder casing.*

Part	Description
AG424926	Hydraulic Cylinder 2-1/2" x 14"
AG517837	Ball Socket
AG712679	Seal Kit

Steering Cylinder 2-1/2" x 11-1/2"



This steering cylinder is used on the 8144.
Note: *Part number is stamped on cylinder casing.*

Part	Description
AG424924	Hydraulic Cylinder 2-1/2" x 11-1/2"
AG711294	Seal Kit
AG260864	Ball Socket

Steering Cylinder 2-1/2" x 11"



This steering cylinder is used on 1844 and 8104 TerraGators.
Note: *Part number is stamped on cylinder casing.*

Part	Description
AG424925	Hydraulic Cylinder 2-1/2" x 11"
AG058735	Repair Kit
594628D1	Ball Socket

Steering Cylinder 2-1/2" x 14"



This cylinder is used on 6103, 8103, 9103, and 9105 TerraGators.
Note: *Part number is stamped on cylinder casing.*

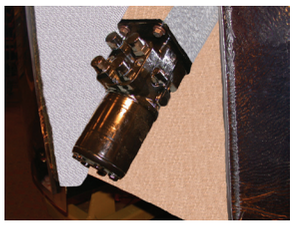
Part	Description
AG424926	Hydraulic Cylinder 2-1/2" x 14"
522781D1	Seal Kit
594625D1	Ball Socket

1844 Power Steering Control

This control is used on 1844 only.

Part	Description
AG005915	Repair Kit

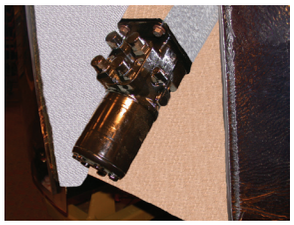
6103 Power Steering Control



This orbital is used on the 6103 only.

Part	Description
AG523171	Power Steering Control

Crenlo Cab Power Steering Control



This orbital is used on 8103, 8104, 8144, 9103, and 9105.

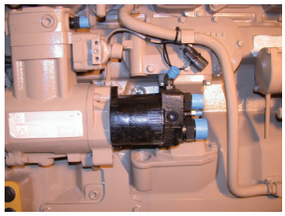
Part	Description
AG520597	Power Steering Control
549554D1	Repair Kit

Old Cab Power Steering Control

This control is used on 1603, 1803, 1903, and 2505 with Cummins L10 engine.

Part	Description
AG515768	Power Steering Control

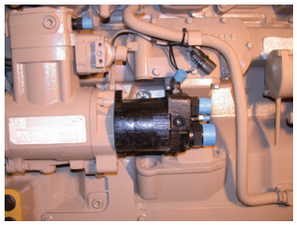
3104 Steering Pump



This pump is used on 3104 TerraGators.

Part	Description
AG521817	Pump Hydraulic
700726913	Seal Kit

Crenlo Cab Steering Pump



This pump is used on all Crenlo cab 6103s, 8103s, 8104s, 8144s, and 9103s.

Notes: *There is a core charge that will be added for the remanufactured pump. All or part of this will be refunded upon return of the core. The amount will depend on the condition of the core.*

Part	Description
AG520596	Pump Hydraulic
700726913	Seal Kit

Steering Pump 3-Wheel with Cat 3208

This pump is used on 1603s and 1803s with the Cat 3208 engine. It is a two-section pump with a 1" shaft. The pump is driven by a drive shaft off the crank pulley.

Note: *Hi-temp seal is a double-lip seal.*

Part	Description
AG516367	Hydraulic Pump
AG708962	Hi-Temp Seal
AG225119	Pump Side Coupler
AG224545	Engine Side Coupler
AG000602	Spider Insert

Steering Pump Cummins 6 CTA JD

This pump is mounted behind the air compressor. The pump has two sections. The pump shaft is not available separately. This pump is used on either the 1803s and 1844s with the Cummins 6 CTA and John Deere engine.

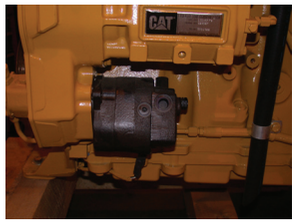
Part	Description
AG516619	Pump Hydraulic

Steering Pump Cummins L10 and Detroit

This pump is used on 1903 with L10 Cummins and 2505 with Detroit 8V92 engine. This is a two-section pump.

Part	Description
AG603562	Seal Kit
AG100099	Mounting Gasket

Steering Pump 9105



This pump is used on the 9105 only. The pump is a two-section pump.

Part	Description
AG523648	Hydraulic Pump

Miscellaneous

Hella Headlight (Crenlo Cab)



This headlight is used on all Crenlo cabs machines.

Part	Description
AG519210	Headlight RH Hella
AG519211	Headlight LH Hella
AG711441	Amber Lens RH (While Supplies Last)
AG714377	Amber Lens LH
72312061	Headlamp 60/55W
AG609868	Parklamp 4W
72312064	Single Lamp 21W
AG122573	Work Lamp Oval
AG129822	HID Worklamp 2006+ (Square)

Headlamp Pre-Crenlo Cab

The rectangular headlights are used on the older style (pre-Crenlo cab) machines. Both headlights are similar in size; however, starting in 1997, machines took the 517372 light, which has a snap-action three-pole connector.

Part	Description
AG514557	Headlight Rectangular
AG517372	Headlight

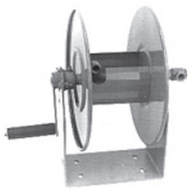
Rear Taillight

These are rectangular in shape with turn, backup, and brake lights.

Note: *Mounting brackets change with systems.*

Part	Description
AG516568	LH Lamp Cluster
AG711449	LH Lens
AG516567	RH Lamp Cluster
AG711448	RH Lens
AG719528	Lens Gasket
AG328410	Lamp Amber Dual Lense

Hose Reel



Add a hose reel to your wash system for fast and easy hose storage. All-steel construction and painted yellow. Fully assembled.

Part	Description
AG712940	Hose Reel

Top Tank



For 56"-65" diameter tanks. The top tank is easily mounted on top of the product tank to provide a source of clean water for safety, washdown, clean-up, and flushing of product tank. The poly 135-gallon tank weighs 60 lbs. and has a 5" threaded lid. When installed, it adds about 18" to the height of the product tank. Withdrawal fittings for both left and right sides are required and must be ordered separately. (See index for tank fittings.)

Part	Description
AG711002	Top Tank and Mounting Kit
AG711024	Replacement Lid

Mud Flap



The TerraGator heavy-duty mud flap.

Part	Description
563621D1	TerraGator Flap Only 40" Wide x 32" Long
563622D1	TerraGator Flap Only 40" Wide x 45" Long
555310D1	No Logo Flap Only 40" Wide x 32" Long
555311D1	No Logo Flap Only 40" Wide x 45" Long

Safety Tread

Part	Description
AG511757	Safety Tread 4" x 24"
AG513863	Safety Tread 12" x 24"

Air Dryer



Expels moisture and other foreign materials from air systems. This reduces internal corrosion within the system and eliminates the need to drain air reservoirs. Kit includes special 6' inlet hose assembly.

Notes: *If oil is found in desiccant upon semi-annual inspection, the desiccant should be replaced. ** For 8103, 8104, 6103, and 9103. Image shown is for 1603/1803/1844.*

Part	Description
AG708442	Replacement Desiccant
559173D1	Dryer Only
AG520964	Air Dryer for 8103/8104 **
AG330202	Filter, Air Dryer Desiccant (with Air Dryer Option)

TerraGator Systems Liquid System

Pneumatic Valve



Note: *Includes four large O-rings (AG029498) and three small O-rings (AG026763).*

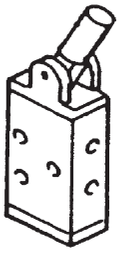
Part	Description
AG510661	Complete Valve
AG702684	Repair Kit

Air Toggle Switch



Part	Description
AG514168	Air Toggle Switch
AG006223	Repair Kit

Air Valve



Part	Description
AG515416	Air Valve
AG709465	Repair Kit Spool
AG709466	Handle

Stainless Steel Wire Rope

Note: *Price shown is per foot. This is a non-returnable product as it is cut to length.*

Part	Description
AG513775	3/8" Stainless Steel Wire Rope
AG511277	1/2" Stainless Steel Wire Rope
AG561206	3/8" Clamp
AG551872	1/2" Thimble
AG551880	1/2" Clamp

Gauge Protector



Protector has two 1/4" (F) ports and a cleanout plug. Body is zinc plated and the internal diaphragm is Viton®. For pressure up to 200 PSI. 2-1/4" square and 2" high.

Part	Description
AG515414	Gauge Protector

Dash-Mount Gauges



AG129739 is used to replace the AG521016 gauge.

Part	Description
AG521934	Mechanical Pressure Gauge 2-1/2" 0-100 PSI
AG514335	Mechanical Pressure Gauge 3-1/2" 0-60 PSI
AG520671	Electrical Pressure Gauge 0-100 PSI
AG129739	Electrical Pressure Gauge 0-150 PSI

Pressure Gauges



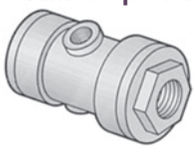
Dampener reduces needle pulsation and protects gauge from foreign materials.

Part	Description
AG511692	Oil-Filled Dampener with 2-1/2" 100 PSI Gauge
AG051319	Oil-Filled Dampener with 4-1/2" 60 PSI Gauge
AG051318	Oil-Filled Dampener with 4-1/2" 100 PSI Gauge

Air Controls

Part	Description
AG519314	Quick Exhaust Valve Poly
AG517246	Quick Exhaust Valve Metal
AG510653	Air Stop Switch
AG713445	Kit Quick-Release Valve

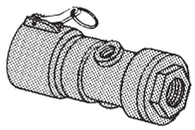
"Quik-Stop" Valve



Air-actuated "Quik-Stop" shutoff valves deliver positive no-drip nozzle shutoff. They are made of glass-filled polypropylene for superior chemical resistance and are standard with an EPDM rubber seal (Viton® optional). Their large flow-through design makes them clog-free and ideally suited to handle the heavier liquid fertilizer solutions. "Quik-Stop" valves are easy to maintain and designed to operate in an air pressure range from 60 to 100 PSI. Valves are available in 3/4" and 1" (F) NPT and have two 1/4" (F) NPT air inlets.

Part	Description
AG517857	3/4" x 3/4" EPDM
AG054383	3/4" x 3/4" Viton®
AG517859	1" x 1" EPDM
576401D1	1" x 3/4" EPDM
AG054350	1" x 3/4" Viton®

Instant Alignment



Have instant alignment with "Quik-Stop" and a 3/4" female coupler. The coupler features our patented tab-and-groove alignment system when using Accu-Switch nozzle adapters.

Part	Description
AG517856	1" x 3/4" QC EPDM

Seal Installation Tool

Part	Description
AG713739	Installation Tool

"Quik-Stop" Valve Replacement Components

Note: **Use when replacing seal.*

Part	Description
576402D1	Body
AG609471	Seal EPDM
AG609472	Seal Viton®
AG609475	End Plate 3/4"
AG609474	End Plate 1"
AG609473	End Coupler 3/4"
AG000747	Plug 1/4"
AG609477	O-ring Plug
AG713739	Installation Tool

EPDM Seals

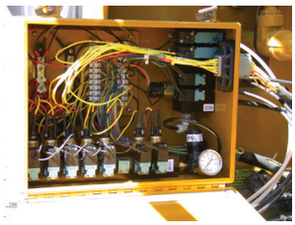
Part	Description
AG609471	EPDM Seals (12 ct)
79016935	Silicone Lube

"Quik-Stop" Kit for Two-Section Booms

"Quik-Stop" Kit includes 11 shutoffs (No. 576401D1), 100 feet of 1/4" air tubing, air pressure regulators and gauges, and the required air connectors for installation. This kit is designed to work in conjunction with your existing air boom controls so a control console is not supplied or required.

Part	Description
AG051752	11-Unit Kit
AG050411	2-Valve Add-On Kit

Air Box 99 and Newer



The air box houses most of the air-operated functions. It is located in front of the foam marker tank.

Part	Description
570720D1	Solenoid Valve Mac Valve - 3-Way
ACP0348260	Mac Valve Terminal-12-10 1/4"
AG522611	Solenoid Valve Butterfly
AG721482	Butterfly Valve Repair Kit
AG520539	Pressure Switch 3 Wire - Red (N.O.), Green (N.C.), Black (COM)
576101D1	Air Switch - Normally Closed - Screw In
AG519079	Manifold Boom Select Pressure Regulator
AG137600	Manifold

Raven Servo Valve

The Raven servo valve has 2" NPT inlet and outlet. This valve is used on 1999 and 2000 machines. A Mid-Tech valve was also used for a period of time.

Part	Description
AG123617	Raven Servo Valve

Transducers for Liquid Systems

The nozzle pressure transducer is used only with the earlier DICKEY-john controlled systems.

Part	Description
AG521017	Transducer, Pump Pressure
AG710420	Transducer, Nozzle Pressure

Benson Boom



Generation 1—This is the original Loral boom.

Generation 2—This used pins to attach the mid to the inner section and the breakaway is straight back.

Generation 3—The breakaway action is upward/rearward vs straight back with pins like the Generation 2.

Generation 4—Started using ball joints to attach the mid to the inner section.

Generation 5—Leveling cylinder was a spade-type vs the clevis style used previously. The outer section uses a V-shaped angle to lock it into place.

Part	Description
AG503888	Boom RH Mid Generation 4 and 5
AG503889	Boom LH Mid Generation 4 and 5

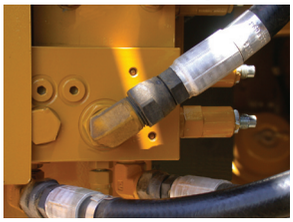
Benson Boom II Arms

This is the boom system after the Benson Boom 85/55 version. The Benson Boom II uses the Benson Boom-style rear boom frame and the TerraGator-style 60/80 boom arms. The Benson Boom II was put into use later in the model year 2001.

Note: *Even though the Benson Boom II uses the Benson Boom-style rear boom frame, there are differences between some of the parts used on the rear boom frame assemblies between the Benson Boom 85/55 boom arms and the TerraGator 60/80 boom arms and also in model year 2001. Consult the proper liquid system parts books to determine those parts when needed.*

Part	Description
AG504420	Boom RH Inner
AG504422	Boom RH Mid
AG424642	Boom RH Outer
AG504421	Boom LH Inner
AG504423	Boom LH Mid
AG424643	Boom LH Outer

Boom Breakaway Block



The Crenlo Cab TerraGators use a Breakaway Block to control the breakaway action of the booms. Contact dealer for pressure settings and adjustments.

Part	Description
AG421620	Breakaway Block
AG719024	Unloader Valve
AG719028	PD Valve
AG121927	Needle Valve
AG717715	Relief Valve

Mounts and Hold-Downs

Application: TerraGator systems.

Part	Description
AG224276	Saddle Attachment, Upper Air Spread and New Leader
AG323258	Frame Attachment, Lower Weld-On for 9103, 9203, 8103, 6103, 3104, 004, 3104, 4104
AG324693	Frame Attachment, Lower Bolt-On for 8104, 8144

Flange Gaskets

Used for sealing purposes between the valve flanges in various areas of the liquid systems.

Part	Description
AG517044	Flange Gasket 3"
AG516967	Flange Gasket 4"

Air Spread

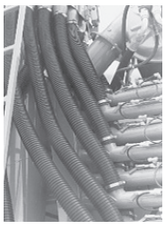
Deflectors

Part	Description
AG421801	For 2-1/2" Tube, LH
AG421802	For 2-1/2" Tube, RH
AG421799	For 3" Tube, LH
AG421800	For 3" Tube, RH
AG224310	Band Attaching 2-1/2"
AG224519	Band Attaching 3"

Air Spread Miscellaneous

Part	Description
AG107555	Wear Strip 2" x 9" Center Boom Section
AG107735	Wear Strip, 10
AG523175	Rubber Bumper
AG424861	Deflector Weldment LH 2-1/2"
AG424860	Deflector Weldment RH 2-1/2"
AG424859	Deflector Weldment LH 3"
AG424858	Deflector Weldment RH 3"
AG224310	Band Attaching 2-1/2"
AG224519	Band Attaching 3"
AG561214	Super Clamp 2.34-2.66
AG561243	Super Clamp 2.84-3.16
AG215491	Boom Seal
AG516458	Air Shut-Off Cylinder 3/4" Bore x 2" Stroke
AG515083	Shock Boom Center Section
AG235872	Boom Pin 1"
AG224908	Boom Pin 3/4"
AG109803	Breakaway Pin 1/2"
AG218663	Breakaway Pin 3/4"
AG515274	Shock Absorber with Boot
AG215170	Spring Breakaway
AG121437	Plastic Sleeper
ACW3737890	Application Rate Sensor
AG609001	Rate Sensor - 10' Cable
AG609434	DJ Rate Sensor - 15' Cable
AG711962	Extension Cable for Rate Sensor 15'

Distributor Hose 2-1/2"



Notes: *Price shown is per foot. Only sold in 39' lengths. 39' is enough for half of an Air Spread Boom.*

Part	Description
AG516214	Distributor Hose

Air Shut-Off Cylinder

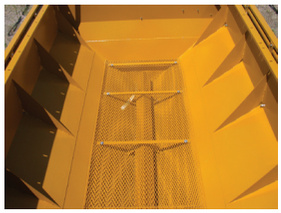


Part	Description
AG516458	Air Shut-Off Cylinder 3/4" Bore x 2" Stroke
AG603120	Ball Joint, Synco Control L20

Venturi Butterfly Repair Kit for Air On-Off

Part	Description
AG711176	Butterfly Disc Repair Kit - Air Spread
AG107798	Shaft Assembly
594621D1	Disk Butterfly
AG515121	Flat Washer 1/4"
AG516537	Bushing Nylon
354039X1	Cotter Pin

Grid Screens for Air Spread®



Fits in bottom of spreader box over apron. Prevents foreign objects from entering the auger system.

Part	Description
AG710715	Grid Screens

Angle Protractor



Used to set the proper angle of the deflectors on Air Spread machines.

Part	Description
AG710574	Angle Protractor

Air Spread Boom Seal



Part	Description
AG215491	Boom Seal

Flip-Tarp Kit (1996 Models)



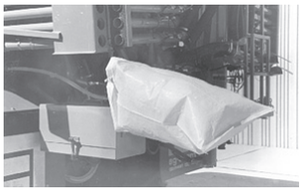
Note: *Drilling required for installation on 1995 and earlier units.*

Part	Description
AG321428	For 1903 Standard Air Spread®
AG321429	For Standard Air Spread
AG321431	For Dry Soilection® 1803, 1844
AG321432	For 1903 Dry Soilection

Roll Tarp Parts

Part	Description
AG610596	Replacement Tarp - Only for Units without Granula
AG610613	Replacement Tarp - Only for Units without Granula
AG131500	Cable with Ball and Barrel Ends 2 Per
AG523314	Electric Control Box for Crenlo Cab
AG058626	Solenoids Inside Box
AG725484	Diode Suppressor Assembly
AG610606	Circuit Breaker
AG332574	Electric Motor with Cover

Air Spread® Vinyl Bags

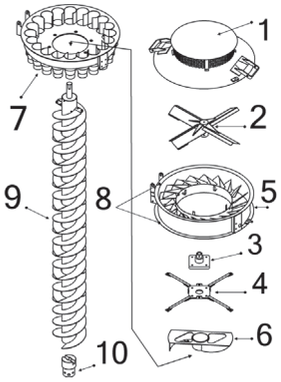


Reinforced vinyl bags hook on deflectors and are used to catch fertilizer.

Note: *For AirMax 1000/2000, AirMax Precision 1 and 2 and Air Spread Systems.*

Part	Description
AG050925	Individual Bag

Distributor



The distributor sits on top of the vertical auger on the Air Spread® units. This picture shows it with the starter, which is used in conjunction with the shut-off system.

Ref	Part	Description
1	AG406405	Dome
2	AG406517	Fan Assembly
3	AG515946	Bearing
4	AG308071	Bearing Support
5	AG406404	Stator
6	AG307696	Spinner
7	AG406403	Distributor
8	AG607318	Gasket (Qty. 2)
9	AG407244	Auger
10	AG714967	Auger Hub

Legacy Air Spreader / AirMax V Fan Assembly



The fan motor is bolted to the housing by two bolts. It was first used on box serial number AS5952.

Part	Description
AG725921	Drive-Side Housing
AG843880	Inlet-Side Housing
AG522379	Fan Only
AG710397	Bushing
601319D1	Fan Speed Sensor
ACP0410250	Hydraulic Fan Motor
ACR0410250	Reman Motor

Fan Motor Air Spread®

The AG516556 hydraulic fan motor was used on the 1992 model Air Spread up to the start of the metric fan assembly.

Part	Description
AG516556	Hydraulic Motor
AG714346	Repair Kit
AG714240	Seal Only
AG714241	Back-Up Washer for Seal
AG724384	Speed-Sleeve for Shaft
AG717438	Retaining Ring

Metric Fan Assembly



This fan assembly was first used in 1998. It has a separate mounting plate held on by six bolts that attach to the hydraulic motor.

Part	Description
AG522021	Hydraulic Motor
AG330190	Seal Kit
AG522022	Metric Fan Assembly
AG610368	Inlet Side Housing
AG610369	Drive Side Housing
AG522379	Fan Only
AG522371	Bushing

Miscellaneous Air Spread® Parts

These parts are for a straight Air Spread. For Soilection machines, see Soilection section. Note the differences between the two medium pressure line hyd. oil filter elements—AG711217 and 512558D1. Starting approximately in early 2008, the 512558D1 filter element was used. The hyd. oil filter assembly for this is part number 524773D1. The previous hyd. oil filter assembly was AG516738 with the AG711217 element. To help determine the difference between the two hyd. oil filter assemblies, the AG516738 has horizontal mounting bolts and the 524773D1 has vertical mounting bolts.

Part	Description
AG516000	Hydraulic Motor, Conveyor
512558D1	Medium Pressure Hydraulic Filter Element - 2008 and Up
AG711217	Medium Pressure Filter Element - Prior to 2008
AG710202	Hyd. Oil Filter Return (1)
AG516248	Hydraulic Cooler
AG425030	Boom Fold Cylinder
AG521842	Pressure Gauge 0-3,000 PSI
AG521843	Pressure Gauge 0-5,000 PSI
AG515965	Splice Pin A/S 8"
AG107737	Conveyer Chain A/S 304"

Air Spread® Ctr Boom Slider Wear Strips & Shims

The following parts list contains the wear strips and various shims that are used on the Air Spread center rear-boom frame slider. The earlier Air Spreads used four of the 10" wear strips, AG107735. In model year 2003 and after, a longer 14" wear strip and shim were implemented into use for the top two wear strips and shims. The bottom two wear strips and shims remained as 10" long.

Part	Description
AG107735	Wear Strip, 10"
AG233418	Shim, Wear Strip, Upper or Lower 12 Gauge - 10"
AG122495	Wear Strip, 14"
AG122496	Shim, Wear Strip, Upper 12 Gauge - 14"
AG122497	Shim, Wear Strip, Upper 14 Gauge - 14"
AG233417	Shim, Wear Strip, Upper or Lower 16 Gauge - 10"

Spinner Spreader

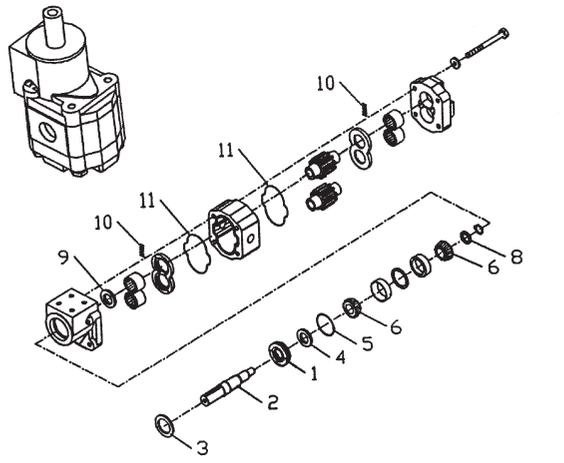
New Leader Hydraulic Filters

Part	Description
AG704136	Hydraulic Oil Filter - 1 per L2020, L3020, L2020GT, L3020GT Spreader
AG704136	Hydraulic Oil Filter - 1 per L2020 G4, L3020G4 Prior to Model Year 2004
ACP0347170	Filter, Hydraulic Return - 1 per L2020G4, L3020G4 Starting with Model Year 2004 and Up
AG704136	Hydraulic Oil Filter - 2 per L3020XP Spreader
AG704136	Hydraulic Oil Filter - 2 per L322G4 Spreader
522466D1	Hydraulic Oil Filter - 1 per L4000G4 Spreader

Spinner Motor L20-20

AG332710 and AG706950 retainer ring does use the excluder seal AG706573.

Notes: *AG706950 retaining ring is used only with the "previous style" spinner motors part numbers AG703819 and AG703927. Note there are two different sizes that were used, and the customer will need to identify which one they have. The "new style" spinner motors use a different seal retainer; these spinner motors are 604829D1, AG332695, and ACW3385380. AG334418 retainer assembly w/soft lip seal includes AG715839 lip seal, AG703848 O-ring seal, AG706573 dust seal, AG332710 retainer, and AG706861 seal driver. The seal is the soft lip seal, part number AG715839. The retainer only is AG332710, and measures 1.826" I.D.*

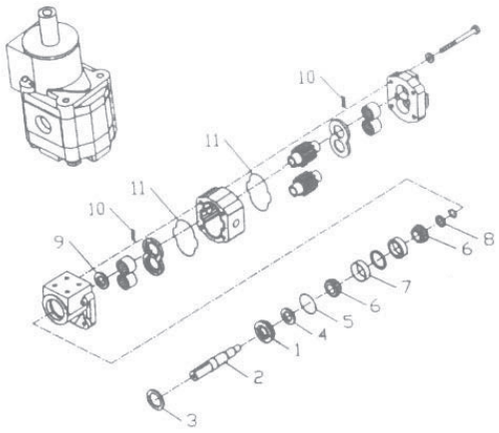


Ref	Part	Description
1a	AG706950	Retainer Ring 1.8125" ID
N/S	AG334418	Retainer Assembly (Used Only with 604829D1 Spinner Motor for L2020)
N/S	AG332710	Retainer Only (Used Only with 604829D1 Spinner Motor for L2020)
3	AG706573	Shield Dust, Seal Excluder
N/A	604829D1	Spinner Motor
2	AG704032	Shaft Spinner Motor
4	AG715839	Seal
5	AG703848	O-ring
6	AG721915	Bearing
8	AG708918	Spacer
9	AG841339	Bushing
10	AG707326	Seal
11	AG703824	Gasket
N/S	AG707507	Key, Shaft to Fan Hub (1)
N/S	AG711240	Motor Repair Kit
N/S	AG715838	Motor Seal Kit
N/S	AG706861	Seal Driver Tool
N/S	AG703965	Installation Tool Wrench
N/S	AG703968	Wrench
N/S	AG707105	Speedy Sleeve, Shaft
N/S	AG332713	Shaft Spinner Motor Assembly

Spinner Motor L30-20, L32-20, L4000

AG332710 and AG706950 retainer rings use the excluder seal AG706573.

Notes: *AG706950 retaining ring was used only with the "previous style" spinner motors part numbers AG703819 and AG703927. Note there are two different sizes that were used, and the customer will need to identify which one they have. The "new style" spinner motors use a different seal retainer; these spinner motors are 604829D1, AG332695, and ACW3385380. AG334418 retainer assembly w/soft lip seal includes AG715839 lip seal, AG703848 O-ring seal, AG706573 dust seal, AG332710 retainer, and AG706861 seal driver. The seal is the soft lip seal, part number AG715839. The retainer only is AG332710, and measures 1.826" I.D.*



Ref	Part	Description
N/A	ACW3385380	Spinner Motor
1a	AG706950	Retainer Ring 1.8125" ID
N/S	AG334418	Retainer Assembly (Used Only with 604830D1 Spinner Motor for L2020)
N/S	AG332710	Retainer Only (Used Only with 604830D1 Spinner Motor for L2020)
3	AG706573	Shield Dust, Seal Excluder
2	AG704032	Shaft Spinner Motor
4	AG715839	Seal
5	AG703848	O-ring
6	AG721915	Bearing
	AG708918	Spacer
8	AG841339	Bushing
9	AG707326	Seal
10	AG703824	Gasket
	AG707507	Key, Shaft to Fan Hub (1)
11	AG703965	Installation Tool
N/S	AG715838	Seal Kit
N/S	AG059807	Retainer Assembly
N/S	AG707105	Speedy Sleeve, Shaft
N/S	AG332713	Shaft Assembly

Servo Valves

The Raven hydraulic servos are used starting with the 2006 models. The L3220G4 MultApplier spreader uses two servos.

Part	Description
AG521355	Hydraulic Servo 13 GPM
AG609806	Hydraulic Servo 13 GPM
AG608842	Hydraulic Servo 18 GPM
AG334066	Hydraulic Servo 5 GPM MicroBin

New Leader #2, #3 Chain Shields & #5 Belt Shields

These chain shields are relative to the New Leader spreaders with the #2 or #3 conveyor chains and the #5 conveyor belts. The part numbers are the metal chain shields, and these chain shields do not use the rubber sealer strip. Note that there are part numbers for the RH and LH sides, different lengths, and also various metal configurations, such as carbon steel (CS), 409 stainless steel (409SS), and 304 stainless steel (304SS). Pick the proper part according to the size of your spreader and what the spreader has on it.

Notes: *The chain shields will measure 1' longer than the spreader box size. If in doubt as to what length is needed, measure the length of the chain shield for size verification. For example, on a 12-1/2' spreader, the chain shields will measure 13-1/2' long; on a 13' spreader, the chain shields will measure 14' long, etc.*

Part	Description
AG332180	Chain Shield, RH/LH-409SS, 13' Spreader
AG133153	Chain Shield, RH/LH-304SS, 13' Spreader
AG133154	Chain Shield, RH/LH-304SS, 14' Spreader

Hardware for Fastening Chain Shields onto Spreader Box with #2-#5 Chain

Notes: *Use these quantities of each part number per spreader box: 28 per 12-1/2' spreader, 30 per 13' spreader, and 32 per 14' spreader.*

Part	Description
AG719051	Carriage Bolt-SS
AG562065	Hex Nut-SS
AG562050	Lock Washer-SS

New Leader #4 BOC Chain Shields

These chain shields are relative to the New Leader spreaders with the #4 belt-over-chain conveyor systems and are used to seal the chain links from the fertilizer product. The part numbers are assembled chain shields consisting of the metal strip, rubber sealer strip, and hardware attaching the rubber sealer to the metal.

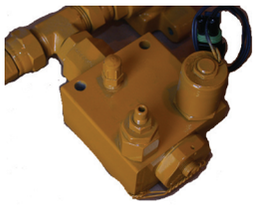
Note that there are part numbers for the RH and LH sides, different lengths, and also various metal configurations, such as carbon steel (CS), 409 stainless steel (409SS), and 304 stainless steel (304SS). Pick the proper part according to the size of your spreader and what the spreader has on it.

The hardware used to fasten the chain shields to the spreader box is as follows: AG719051 Carriage Bolt-SS, AG562065 Hex Nut-SS, and AG562050 Lockwasher-SS. Use these quantities of each part number per spreader box: 28 per 12-1/2' spreader, 30 per 13' spreader and 32 per 14' spreader.

Notes: *The chain shields will measure 1' longer than the spreader box size. If in doubt as to what length is needed, measure the length of the chain shield for size verification. For example, on a 12-1/2' spreader, the chain shields will measure 13-1/2' long; on a 13' spreader, the chain shields will measure 14' long, etc.*

Part	Description
AG727321	Chain Shield, RH-409SS 12-1/2' Spreader
AG727327	Chain Shield, LH-409SS 12-1/2' Spreader
AG727561	Chain Shield, RH/LH-409SS 13' Spreader
AG727561	Chain Shield, RH-304SS 13' Spreader
AG727560	Chain Shield, LH-304SS 13' Spreader
AG727325	Chain Shield, RH-304SS 14' Spreader

Solenoid Shut-off Valve



This valve is used on New Leader boxes to turn the conveyer off. It has 24 GPM flow rating and is preset at 2,500 PSI relief.

Part	Description
AG513800	Solenoid Valve
AG610014	Coil Only - Two Wire

New Leader GT & Prior Models Spinner Discs and Blades

The New Leader GT series and prior models used three spinner blades per each RH and LH spinner disc assembly versus four spinner blades per disc on the G4 series. The spinner discs themselves are flat versus dished on the G4 series. Only the GT series spinner discs are the same for both RH and LH sides. The spinner disc assemblies are different because of the RH and LH spinner blades.

Note: *The RH and LH spinner disc assemblies include the disc, three spinner blades, and the mounting hub.*

Part	Description
AG703774	Spinner Disc Assembly, RH with Standard Disc
AG703775	Spinner Disc Assembly, LH with Standard Disc
AG703839	Spinner Disc Only, 3/16" Thick (Standard)
AG707680	Spinner Disc Only, 1/4" Thick (Heavy-Duty Version)
571350D1	Spinner Blade, RH
571349D1	Spinner Blade, LH
AG516403	Nut, Lock .31 Hex Stainless Steel (3 Per Blade)
AG562076	Bolt, .31 x 1.00" Stainless Steel (3 Per Blade)
AG703763	Hub for Spinner Disc
W908302-4	Bolt, .25" x 7/8" Long (6 Per Hub)
AG558699	Nut, .25" (6 Per Hub)

G4/G5 Spinner Blades

Four blades required for G4/G5 boxes.

Part	Description
571350D1	New Leader, Left Hand (4 Req.)
571349D1	New Leader, Right Hand (4 Req.)
AG059326	Fan Assembly LH
AG059268	Disk Only LH
AG332231	Disk Only LH 1/4" Thick
AG059327	Fan Assembly RH
AG059267	Disk Only RH
AG332232	Disk Only RH 1/4" Thick

New Leader G4 Spinner Retrofit Kits

Kit to convert GT and pre-GT series of spreaders into a spinner system version used on the G4 series. Kits consist of the frame, fan assembly with the spinner motors, shield and guard kit, two hydraulic hoses for spinner motor hook-up and operator's manual.

Very Important Note: *To achieve the spread patterns that New Leader promotes, hydraulic testing may need to be performed. The spread widths are achieved with 28 to 30 GPM on L2020G4 and 40 to 42 GPM on L3020G4 machines. The customer may need to upgrade their hydraulic system because pre-GT and GT series L2020 required 24-28 GPM; pre-GT and GT series L3020 required 35-38 GPM.*

Part	Description
AG332405	Kit/Retrofit Spinner L2020G4 Carbon Steel
AG332406	Kit/Retrofit Spinner L2020G4 Stainless Steel
AG332407	Kit/Retrofit Spinner L3020G4 Carbon Steel
AG332408	Kit/Retrofit Spinner L3020G4 Stainless Steel

Parts for New Leader Boxes



Notes: *() = Quantity required. Parts for G4/G5 boxes are not listed. Contact us for replacement parts for these boxes.*

Part	Description
AG703909	Conveyor Control Valve (L20-20)
7736663	Seal Kit, Conveyor Motor (Use with S.N. 56547 and up)
AG704136	Hydraulic Oil Filter (1)
AG603120	Ball Joint, Synco Control L20
AG514834	6" Friction Wheel
AG334299	Seal Kit, Hyd. Motor MultApplier (White)
581034D1	Parker Hyd. Motor MultApplier
581035D1	Seal Kit Parker Motor MultApplier

Hydraulic Oil Cooler Kit for L3020G4



The Cooler Kit comes complete with the cooler, mounting brackets, hoses, fittings, and hardware and is easily mounted to the right-front corner of the spreader. The cooler has a cooling capacity of 60,000 BTU and includes an internal cold oil bypass valve and thermostatically controlled 12-volt electric fan.

Part	Description
AG333809	Hydraulic Oil Cooler Only
503888D1	Oil Cooler Wiring Harness
AG133479	Relay - 12V DC 40A
AG333612	114 Deg. Temp Switch
AG334292	Fan Assembly (Fan+Motor)

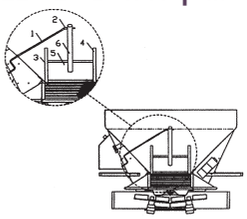
New Leader Spreader Rubber Sleepers

For New Leader systems that use rubber sleepers that are welded onto the bottom of the frame rails. This is a rubber pad with a metal backing that takes the place of the wooden sleepers that have been traditionally used between the box frame rails and the machine frame rails.

Notes: *The 9"-long pad is used at the rear of all the spreader boxes (two used). The 5"-long pad is used on the frame cross rails and mounting tie-down points (11' and 12' boxes require eight; 13' and 14' boxes require 10).*

Part	Description
AG137576	Mounting Pad, 3/4" x 3" x 5"
AG137577	Mounting Pad, 3/4" x 3" x 9"

L20-20 Box Repairs



Part	Description
602621D1	Handle, Feedgate
AG722109	U-Joint
AG722109	U-Joint Stainless Steel (Optional)
AG703732	Guide, LH
AG703733	Guide, RH
AG722117	Feedgate
AG703774	Fan Assembly, RH 24"
AG703775	Fan Assembly, LH 24"
AG703839	Disc Only 24"
AG707680	Disc Only 24" (Heavy-Duty)
ACW4915620	Jack - 5,000 Lbs.
ACP0381230	Jack Roll Pin
ACP0381240	Hub Only

3-Ply #5 Apron Belts with SS Lace Kit

Part	Description
AG719090	23" x 275" for 11' L20
AG335147	23" x 299" for 12' L20-20
AG335197	23" x 311" for 12-1/2' Box
AG335135	23" x 323" for L2020 Box
AG059908	Power Wrench

3-Ply #5 Apron Belts with Holes Punched Only

Part	Description
AG335147	23" x 299"
AG311774	23" x 311"

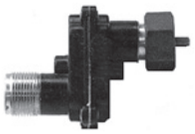
Belt-Lacing Kit



Note: *The power wrench will aid in the installation of the belt kit. This wrench can be placed into the chuck of an electric drill and used to tighten the slotted nuts on the bolts holding the lacing kit halves in place.*

Part	Description
AG005832	Fastener Kit - #5 Belt Only
AG727277	Lacing Kit for #4 BOC - New Style Only
AG059908	Power Wrench

Ratio Adapters



Part	Description
AG605669	1:1 Automatic Transmission
AG703739	2:1 Reducer-Synco

Deflectors AirMax V



The correct angle on the deflectors should be 60°. The AirMax V has two deflectors per nozzle assembly. The current style started with serial number H511 and up.

Note: *Please note the difference in the radius of the deflectors.*

Part	Description
L031511	Nozzle LH (Current)
AG031510	Nozzle RH (Current)
L031163	Nozzle LH (Previous)
L031164	Nozzle RH (Previous)
AG023503	Nozzle Rear LH
L023502	Nozzle Rear RH

Boom Breakaways



There are three generations of boom breakaways.

- **Generation 1**—has three slotted brackets for clamps to hold the foam marker tube; serial number H380 and below.
- **Generation 2**—has two wet boom clamp mounts for foam marker tube as well as a skid plate mounted to the breakaway. Used from serial number H381 to H510.
- **Generation 3**—is similar to the Generation 2 except it has the newer-style deflectors used on serial number H511 and up.

Part	Description
L031275	Breakaway LH Generation 1
L031276	Breakaway RH Generation 1
L031518	Breakaway RH Generation 2
L031513	Breakaway LH Generation 3
L031512	Breakaway RH Generation 3
L015275	Hinge Pin
L015816	Breakaway Spring

Boom Pivot Arms



The fastest way to distinguish between the left- and right-hand pivot arms is to lay the arm flat with the short leg facing you and the cylinder mount facing up. The long leg will point in the direction that the arm is.

Note: *Gen 1—95H278 and earlier; Gen 2—95H279 and later.*

Part	Description
L022685	Boom Pivot Arm LH - Gen 2
L022684	Boom Pivot Arm RH - Gen 2
L015929	Rear Cradle LH
L015926	Rear Cradle RH
L015039	Frame Pivot Tube

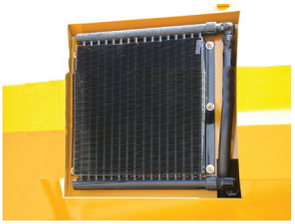
Security Cable



The security cables are used in case of a strut failure. The cable will help keep the boom from falling to the ground. The shorter cable is used on most of the older machines with the older-style cab. The longer cable is used on all the systems starting in 1998.

Part	Description
L061326	Cable 141-1/2"
L062156	Cable 145"

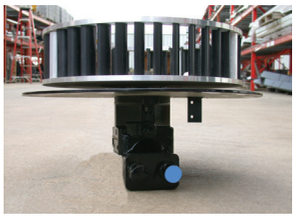
Oil Cooler Assembly, AirMax V



This oil cooler was used starting with serial number 9414001.

Part	Description
AG881864	Oil Cooler
AG515983	Drain Petcock
AG558885	Bottom Elbow
L017125	Top Elbow for Petcock

Hydraulic Fan Assembly



Early AirMax models used an F11-28 fan motor, which is no longer available. The current motor is an F12-30. These motors take different seals! When replacing a fan, be sure to order a fan hub as well.

Notes: ** Torque bolts to 95 inch/pounds. ** Standard seal.*

Part	Description
ACP0410250	Hydraulic Fan Motor
ACR0410250	Reman Motor
AG059118	High-Pressure Seal
AG723007	Low-Pressure Seal **
AG059115	Carrier O-ring
L018278	Dust Seal
AG881504	Fan
L061318	Fan Hub *
601319D1	Fan Speed Sensor

Miscellaneous Parts

Notes: *** 1998 and newer.*

Part	Description
AG120006	Conveyer Chain with Splice Pin
AG523084	Splice Pin 14" long
AG060037	Conveyer Hydraulic Motor
509246D1	Hydraulic Filter Element
AG609434	DJ Rate Sensor - 15' Cable
AG609806	Hydraulic Servo 13 GPM
AG521355	Hydraulic Servo 13 GPM **
AG609003	Actuator Valve - Driver
AG515958	Front Take-up Bearing
AG239851	Take-up Rod and Nut
L060749	Air Clutch
AG523179	Exhaust Valve

AirMax 1000/2000

Boom Pivot



Pivot arms are viewed from the rear of the machine. It is very critical that these pivots are greased often.

Part	Description
AG425300	Pivot Weldment RH 2000-2001
AG425299	Pivot Weldment LH 2000-2001
ACX2911100	Hydraulic Cylinder
594984D1	Cylinder Seal Kit
AG123775	Pivot Arm LH 2003+
AG123776	Pivot Arm RH 2003+

Fan Assembly and Hydraulic Motors



The fan used is a dual fan with nylon fins. When replacing a fan, make sure the sensor is toward the motor.

Part	Description
563745D1	Fan 16" Dual
AG523123	Split Bushing
ACW2516420	Housing Weldment
AG523914	Grease Seal
AG523212	Fan Speed Sensor
ACP0410250	Hydraulic Fan Motor
AG059118	Seal Kit

Deflectors

AirMax 1000/2000 Deflectors

The deflectors for the AirMax 1000/2000 should be set at 65°.

Part	Description
AG326241	Deflector End RH Boom
AG326165	Deflector End LH Boom
AG326162	Deflector Mid RH Boom
AG423088	Deflector Mid LH Boom
AG423022	Deflector Rear Outer RH Back (While Supplies Last)
AG423021	Deflector Rear Outer LH Back (While Supplies Last)
AG327980	Deflector Rear Inner RH Back
AG327981	Deflector Rear Inner LH Back
AG561214	Super Clamp 2.34-2.66
AG124578	Deflector Adjusting Kit - AirMax 1000/2000, AirMax Precision
AG124574	Tool, Deflector Setting


GatorGuide
Check out AGCO Parts Books Online for Parts for AirMax Precision!

Deflectors Double Fin Pre-2003



Part	Description
AG326241	Deflector End RH Boom
AG326165	Deflector End LH Boom
AG326162	Deflector Mid RH Boom
AG423088	Deflector Mid LH Boom
AG423022	Deflector Rear Outer RH Back (While Supplies Last)
AG423021	Deflector Rear Outer LH Back (While Supplies Last)
AG327980	Deflector Rear Inner RH Back
AG327981	Deflector Rear Inner LH Back
AG561214	Super Clamp 2.34-2.66
AG124578	Deflector Adjusting Kit - AirMax 1000/2000, AirMax Precision

Deflectors Single Fin 2003-2005

Part	Description
AG127737	Deflector Single Mid RH Boom
AG127736	Deflector Single Mid LH Boom
AG127735	Deflector Single End RH Boom
AG127734	Deflector Single End LH Boom
AG127733	Deflector Single Rear RH Back
AG127732	Deflector Single Rear LH Back
AG127731	Deflector Single Outer RH Back
AG127730	Deflector Single Outer LH Back
AG124578	Deflector Adjusting Kit - AirMax 1000/2000, AirMax Precision

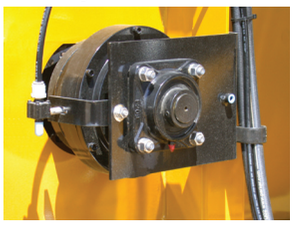
Deflectors 2006-2008

Applications: Deflectors 2006 part numbers AG128431 through AG128434 are used on the boom arms. Part numbers AG127730 through AG127733 are used on the rear section of the box.

Note: *Model year 2006 deflectors will not work with any previous year deflector without changing the boom.*

Part	Description
AG128432	Deflector End RH Boom
AG128434	Deflector Mid RH Boom
AG128431	Deflector End LH Boom
AG128433	Deflector Mid LH Boom
AG127731	Deflector Single Outer RH Back
AG127730	Deflector Single Outer LH Back
AG127732	Deflector Single Rear LH Back
AG127733	Deflector Single Rear RH Back
AG124578	Deflector Adjusting Kit - AirMax 1000/2000, AirMax Precision

Conveyer Drive



The AirMax 1000/2000 conveyer drive used a spring-engaged air-off clutch. This is opposite to the AirMax V box.

Part	Description
AG523115	Flange Bearing
AG425792	Air Clutch Spring Engages
AG523206	Nipple
AG328082	Tube Weldment
AG328737	Idler Shaft
AG328735	Idler Weldment
AG516274	Pillow Block Bearing
AG263184	Spacer (Qty 2)
AG523179	Quick Exhaust Valve
AG727620	Repair Kit for 128593

Granular Drive

Note: () = Quantity required.

Part	Description
AG522940	Motor Twin Output
AG261079	Drive Shaft Metering Wheel (2)
AG523147	Electric Clutch CCW
AG523295	Electric Clutch CW
AG523262	27 Gear (12)
AG523154	Nylon Flange Bearing (4)
AG523144	Coupling Insert (2)
AG523152	Coupling 3/4" (2)
AG523146	Coupling .62" (2)

Miscellaneous

Part	Description
AG523211	Sensor - Application Rate
AG714896	Sensor Granular Encoder, 5 Volt
AG523246	High-Pressure Filter Element
AG523247	Low-Pressure Filter Element
AG523838	Conveyer Splice Pin
AG120281	Belt Conveyer Upper
AG120282	Belt Conveyer Lower
AG516248	Hydraulic Cooler
AG523584	Conveyer Motor

AirMax Precision—2009

Conveyor drive.

Note: *The AirMax Precision System does not use the air clutch system.*

Part	Description
519406D1	Flange Bearing
AG516274	Pillow Block Bearing
605109D2	Gearbox
	Gearbox Shim & Seal Kit (Includes AG334625 Output Seal)
AG334265	Output Seal (2 Per Gear Case)
AG334264	Input Seal (Not Included in AG334269 Kit)
531054D1	Motor for Gearbox
AG334299	Repair Kit for Hyd. Motor

Fan Assembly

Fan assembly and hydraulic motors.
AirMax Precision—2009.

Part	Description
563745D1	Fan 16" Dual
AG523123	Split Bushing
AG523914	Grease Seal
ACW2516420	Housing Weldment
AG523212	Fan Speed Sensor
ACP0410250	Hydraulic Fan Motor
AG059118	Seal Kit

Boom Pivot

AirMax Precision—2009.

Part	Description
AG123775	Pivot Arm LH
AG123776	Pivot Arm RH
ACX2911100	Hydraulic Cylinder
594984D1	Cylinder Seal Kit

Deflectors

AirMax Precision—2009.

Part	Description
AG128432	Deflector End RH
AG128434	Deflector Mid RH
AG128431	Deflector End LH
AG128433	Deflector Outer Rear RH
AG127731	Deflector Single Outer RH
AG127730	Deflector Single Outer LH
AG127733	Deflector Single Rear RH
AG127732	Deflector Single Rear LH
AG124578	Deflector Adjusting Kit - AirMax 1000/2000, AirMax Precision

Miscellaneous

AirMax Precision—2009.

Note: *The AirMax Precision System does not use the high-pressure filter.*

Part	Description
ACW3737890	Application Rate Sensor
531553D1	Rate Sensor Adapter
AG523247	Low-Pressure Filter Element
ACX3128960	Hydraulic Cooler
AG120281	Belt Conveyer, Upper
AG120282	Belt Conveyer, Lower
AG523838	Conveyer Splice Pin

Moisture Trap

Part	Description
AG709372	Bowl
AG709375	O-ring

Ball/Seat P/V Tank

Part	Description
AG513998	Ball 4"
AG513999	Ball Seat
AG304681	U-Bolt
AG305010	Seat Weldment

Fruitland RCF 500 Pump Parts

Part	Description
AG332894	Vane Set
AG332894	Vane Wear Test Rod

Replacement Parts for M8 Pressure/Vacuum Pumps

Part	Description
AG720463	Vanes (2 Required)
AG705038	Bushings (2 Required)

Replacement Parts for LOW4 Pressure/Vacuum Pumps

Part	Description
AG027792	Bearings (2 Required)

Miscellaneous P/V System Parts

Part	Description
AG518283	Hydraulic Hatch Cylinder
AG513800	Solenoid Valve
AG521004	Oil Cooler
AG723588	Cooler Fan

Knight Box Parts



The Knight side-discharge spreader was mounted on a TerraGator industrial chassis.

Part	Description
AG521004	Oil Cooler
AG723588	Cooler Fan
AG609431	Hydraulic Oil Filter Suction (1)
AG726955	Front Hammer Assembly
AG726955	Center Hammer Assembly
AG726955	Rear Hammer Assembly

Hydraulic Filters

Part	Description
E250000	Hydraulic Suction Filter Element
E250001	Hydraulic Return Oil Element
E250044	High-Pressure Filter Element FMP
E250007	High-Pressure Element MP

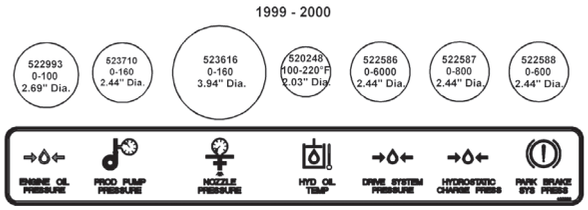
Tank Valves



Part	Description
E500003	8" MZ Valve
E500111	6" MZ Valve
AG622290	6" Crater Valve
E501110	8" Valve Blade MZ
E501500	6" Valve Blade Crater Valve

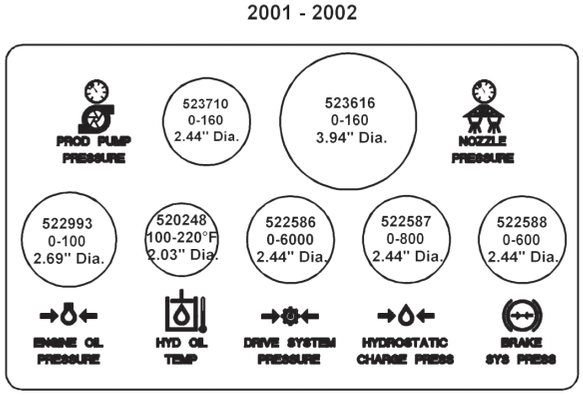
1999-2000 854 Gauges

Notes: *The early 1999 model 854 may use a part number AG520242 gauge, which measures 3.8" in diameter. The mid-to-late 1999 and up through 2000 used a part number AG523616 gauge, which measures 4" in diameter.*



Part	Description
AG522993	Engine Oil Pressure Gauge 0-100 PSI 2.69" Dia.
AG523710	Product Pump Pressure Gauge 0-160 PSI 2.44" Dia.
AG523616	Nozzle Pressure Gauge 0-160 PSI 4.00" Dia.
AG522586	Drive System Pressure Gauge 0-6,000 PSI 2003 only
AG522587	Hydrostatic Charge Pressure Gauge 0-800 PSI 2.44" Dia.
AG522588	Park Brake System Pressure Gauge 0-600 PSI 2.44" Dia.

2001-2002 854 Gauges

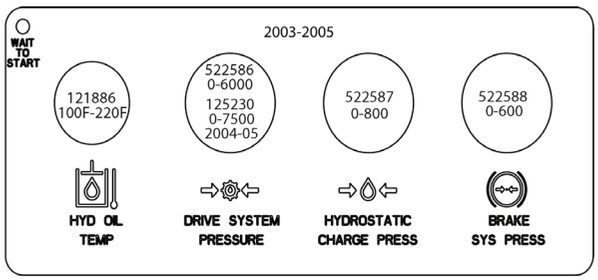


Part	Description
AG523710	Product Pump Pressure Gauge 0-160 PSI 2.44" Dia.
AG523616	Nozzle Pressure Gauge 0-160 PSI 4.00" Dia.
AG522993	Engine Oil Pressure Gauge 0-100 PSI 2.69" Dia.
AG522586	Drive System Pressure Gauge 0-6,000 PSI 2003 only
AG522587	Hydrostatic Charge Pressure Gauge 0-800 PSI 2.44" Dia.
AG522588	Park Brake System Pressure Gauge 0-600 PSI 2.44" Dia.

2003-2005 864/1064 Gauges

Applications: 2003-2005 864/1064 RoGator.

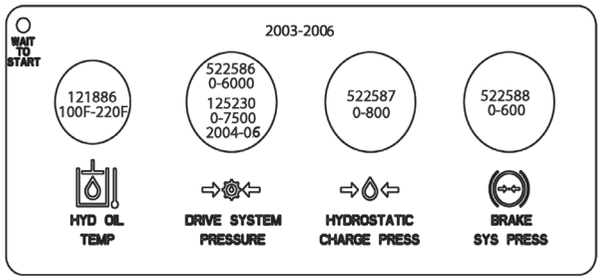
Note: *The AG522586 gauge is used on model year 2003 only. All others use the AG125230 gauge.*



Part	Description
AG522586	Drive System Pressure Gauge 0-6,000 PSI 2003 Only
AG125230	Drive System Press Gauge 0-7,500 PSI 2004
AG522587	Hydrostatic Charge Pressure Gauge 0-800 PSI 2.44" Dia
AG522588	Park Brake System Pressure Gauge 0-600 PSI 2.44" Dia

2005-2008 874/1074 Gauges

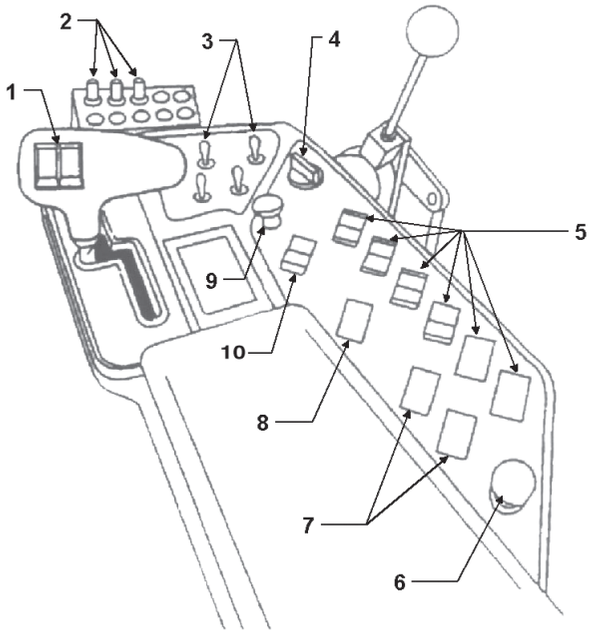
Applications: 2005-08 874/1074 RoGators.



Part	Description
AG121886	Hydraulic Oil Temp Gauge 100°F-220°F (While Supplies Last)
AG125230	Drive System Press Gauge 0-7,500 PSI 2004
AG522587	Hydrostatic Charge Pressure Gauge 0-800 PSI 2.44" Dia
AG522588	Park Brake System Pressure Gauge 0-600 PSI 2.44" Dia

1997-2002 854 Cab Controls

Notes: *1999-2002 machines have an air-ride cab. The cab controls for this feature are not shown below but are listed below the standard parts.*



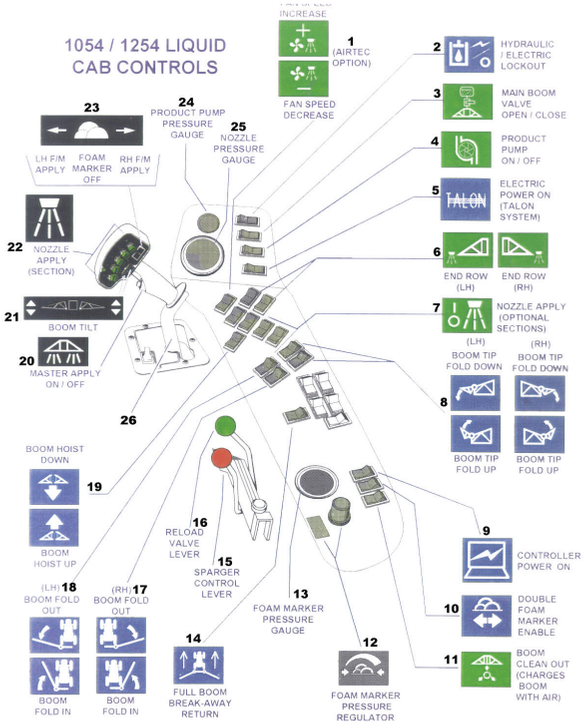
Ref	Part	Description
1	AG713225	Switch Assembly Rocker (Boom Tilt)
1.1	AG108321	Decal for Switch (Not Included with Switch)
2	AG518707	Switch Elec. SPST (Switches for Switch Box)
3	AG517381	Switch DPDT Lock Mom. (Track Adjust)
4	AG235928	Switch Assembly (Speed Adjust)
4.1	AG520559	Knob Only for Switch Assembly (Speed Adjust)
5	AG609555	Switch DPDT Rocker Center Off (Booms)
6	AG520848	Lighter Assembly
7	AG518088	Rocker Cover Blank
8	AG609555	Switch Product Pump
9	AG609556	Safety Switch Armrest
10	AG609557	Switch Foam Marker
N/S	AG520222	Circuit Board Armrest
N/S	AG518235	Switch Dimmer Floor Master On-Off
N/S	598463D1	Gauge Pressure 1-1/2"
N/S	AG713336	Light Switch

2000-2005 1254-1264 Console Controls



Manual cables and levers are used only in the 2000-2003 1254. 2003 and above 1264s use an electric sparge valve with an exterior reload station. See RoGator Liquid System section for electric sparge valve (AG523925) parts.

Notes: ** AG520946 switch is used for the product pump, main boom valve, power on for Talon option, and double foam marker enable. ** AG520949 switch is used for nozzle apply optional sections, boom tip fold, boom fold LH, boom fold RH, and boom hoist. *** AG519603 cable is used for the sparger and reload valve. Please call for availability. For 2005/2006 1274, see machine parts catalog.*



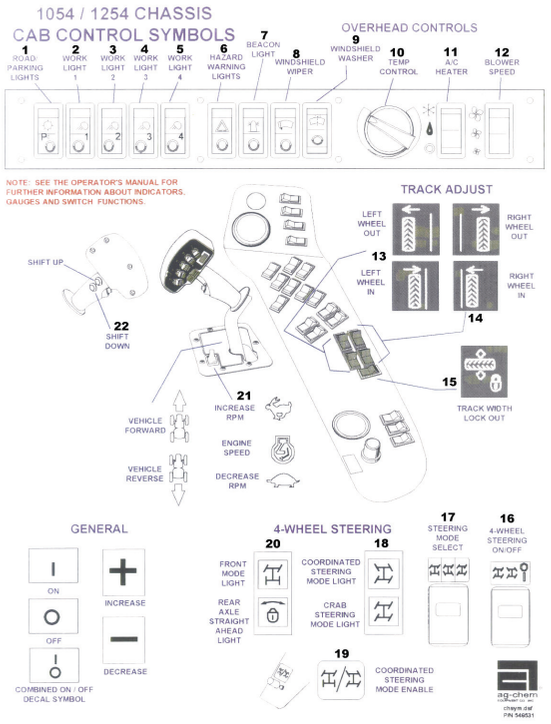
Ref	Part	Description
7,8,17,18,19	AG520949	Switch **
2	AG520950	Switch Rocker (Hydraulic and Electric Lockout)
3,4,5,10	AG520946	Switch Rocker *
6	AG520952	Switch
9	AG520947	Switch Rocker
11	AG521179	Switch Rocker (Boom Cleanout)
12	AG520889	Regulator Foam Marker
13	AG521934	Mechanical Pressure Gauge 2-1/2" 0-100 PSI
14	AG523001	Switch Rocker (Full Boom Breakaway)
15,16	AG519603	Cable Push/Pull ***
20	AG610766	Switch Product Master On-Off
21	AG610892	Switch Boom Tilt
22	AG725905	Switch Nozzle Apply
23	AG610764	Switch Foam Marker
24	AG129739	Product Pump Pressure Gauge
25	AG522487	Nozzle Pressure Gauge
26	AG424068	Hydro Handle Assembly
	AG520907	Plug Hole Switch

2000-05 1054/1254/1264 Overhead Cab Controls



For 2005/2006 1274, see machine parts catalog.

Notes: ** AG520946 are work light switches. ** AG520949 are left track and right track switches. Part number AG719984 below is an assortment of decals for the indicated switches.*

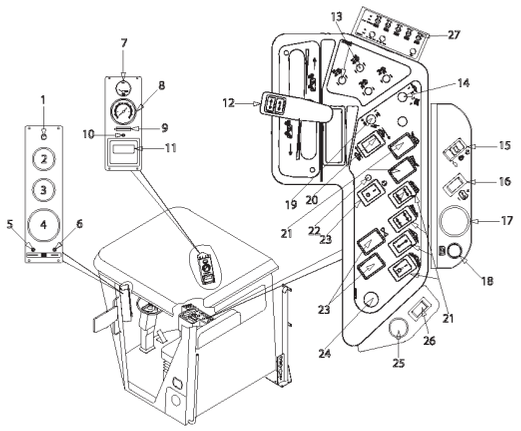


Ref	Part	Description
1	AG520945	Switch - Parking Lights
2,3,4,5,6,7	AG520946	Switch Electric *
8	AG520955	Switch - Windshield Wiper
9	AG520951	Switch - Windshield Wiper
1.1, 9.1	AG719984	Decal Assortment for Switches 1-9
10	AG718792	Temp Control
10.1	AG718793	Knob for Temp Control
11	AG718791	A/C and Heater Switch
12	AG718790	Switch - Fan Blower
13,14	AG520949	Switch **
15	AG520950	Switch Rocker (Hydraulic and Electric Lockout)
16	AG520952	Switch
21	AG522467	Throttle Switch
22	AG610775	Switch - Range Select

2003-2008 864/1064/874/1074 Cab Controls

Applications:

- 2003-2005 864/1064 RoGators.
- 2005-2008 874/1074 RoGators.



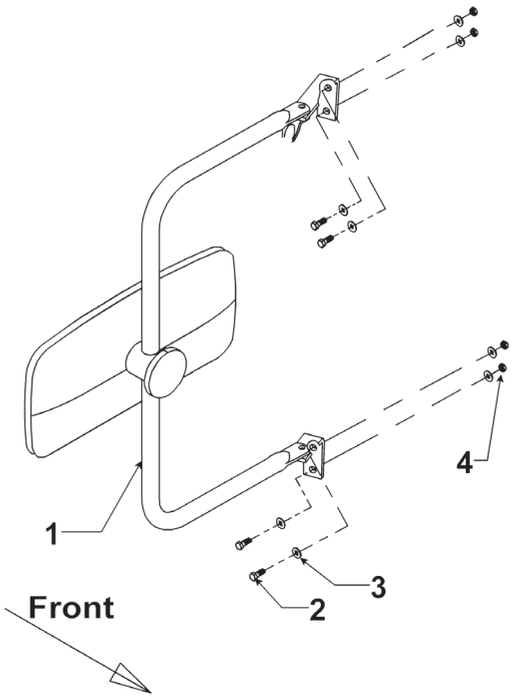
Ref	Part	Description
2	AG122003	Water Temp Gauge
4	AG122002	RPM Gauge
7	AG129739	Product Pump Pressure Gauge
8	AG522487	Nozzle Pressure Gauge
11	AG121752	Radar Display CIP
12	AG713225	Switch Assembly Rocker (Boom Tilt)
13	AG517381	Switch DPDT Lock Mom. (Track Adjust)
14	AG235928	Switch Assembly (Speed Adjust)
14.1	AG520559	Knob Only for Switch Assembly (Speed Adjust)
15	AG522467	Throttle Switch
16	AG520949	Switch, Sparger
6	AG521934	Foam Marker Pressure Gauge Assembly
19	AG609556	Safety Switch Armrest
20	AG609557	Switch Foam Marker
21	AG609555	Switch DPDT Rocker Center Off (Booms)
22	AG517420	Pump Indicator Light
23	AG609555	Switch DPDT Rocker (Product Pump)
24	AG520848	Lighter Assembly
25	598463D1	Gauge Pressure 1-1/2"
27	AG518707	Switch Elec. SPST (Switches for Switch Box)

2000-2005 1254/1264 Mirrors



Applications:

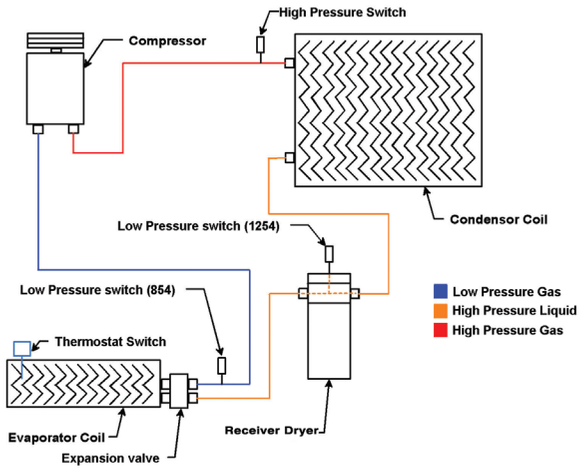
- 2000-2002 1254 RoGators.
- 2003-2005 1264 RoGators.



Ref	Part	Description
	AG521009	Mirror Head Only
2	AG521059	Bolt M10-1.5 x 35 Stainless Steel
3	AG520878	Washer Flat M10
4	AG520875	Nut M10 x 1.5 Stainless Steel Nylock

1999-2002 Air Conditioning 854

Applications: 2000-2002 854 RoGator air conditioning.



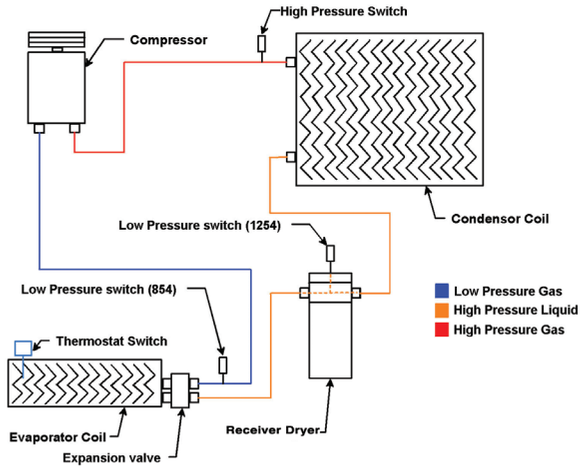
Part	Description
AG522391	A/C Compressor
593052D2	Receiver Dryer
AG408861	Condenser Coil
AG714552	Expansion Valve
3010471X1	O-rings for A/C Compressor .38 (2 Required)
AG518525	O-ring .50
AG518526	O-ring .63
AG228610	High-Pressure Switch
AG713359	Low-Pressure Switch
AG712815	Pressurizer Motor
AG712813	Blower Motor

GatorGuide
Visit www.ApplyLikeaPro.com for the latest RoGator and TerraGator information.

2000-2002 1254 Air Conditioning

Applications: 2000-2002 1254 air conditioning.

Note: *2000 1254 RoGators with serial number 125019201 and up use condenser number AG423803. 2000 1254 RoGators with serial number 125019200 and below can be changed to AG423803, but you will also need hose assembly AG261653. Due to routing problems, old hose AG233795 cannot be used. Condenser AG423803 has the high-pressure switch facing forward instead of upward and the upper hose fitting now faces upward.*

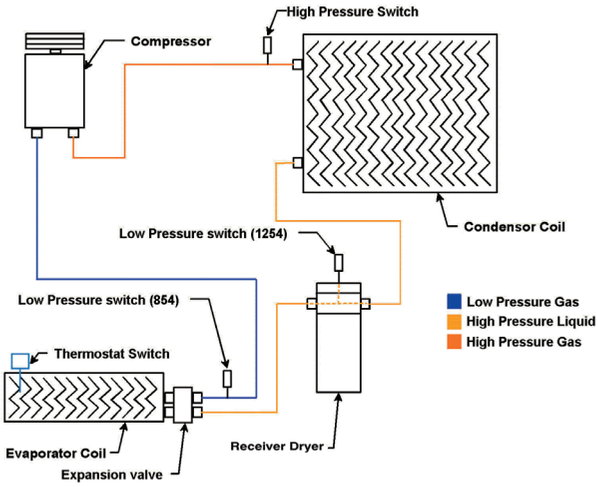


Part	Description
AG522391	A/C Compressor
593052D2	Receiver Dryer
AG423803	Condenser Coil (See Note)
AG423598	Condenser Coil
AG718801	Expansion Valve
AG718803	Evaporator Coil
AG607237	Low-Pressure Switch
AG718805	Pressure Fan and Blower Motor Assembly
AG718804	Blower Motor up to 2003
AG718798	Thermostat Heater, A/C
AG718807	12-Volt Relay
AG718806	Resistor for Fan Blower up to 2003
AG718787	Electronic Water Valve

1264 2003-2006 Air Conditioning

Applications:

- 2003-2005 1264 air conditioning.
- 2005-2006 1274 air conditioning.



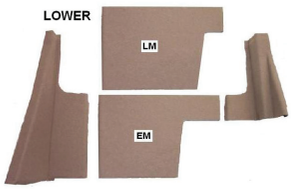
Part	Description
AG120976	A/C Compressor
593052D2	Receiver Dryer
AG607237	Low-Pressure Switch
AG423598	Condenser Coil
AG727102	Evaporator Coil
AG727097	Heater Core
AG718801	Expansion Valve
AG718798	Thermostat Heater, A/C
AG718805	Pressure Fan and Blower Motor Assembly
AG727093	Blower Motor 2004 and Up
AG718792	Temp Control
AG718793	Knob for Temp Control
AG718787	Electronic Water Valve
AG718791	A/C Heater Switch
AG718790	Switch - Fan Blower
3010471X1	O-rings for A/C Compressor .38 (2 Required)
AG518525	O-ring .50

RG900/1100/1300 2012-2014 Air Conditioning

Part	Description
CH178-9570	A/C Compressor
593052D2	Receiver Dryer
AG718801	Expansion Valve
AG330219	Thermostat Probe
AG607237	Pressure Switch/Freon

RoGator Cab Kit





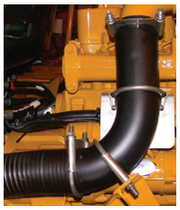
For complete cab kit, order one headliner and one lower.

- For headliner, note the location of the dome light. This changed in late 1997 / early 1998.
- For lower, note the cutout on middle rear wall. This changed in 1996.

EM = Early Model
LM = Late Model

Part	Description
AG427465	Headliner, RoGator 664/844/854/864/1064/874/1074 EM
AG427468	Lower, RoGator 664/844/854/864/1064/874/1074 LM
AG427467	Lower, RoGator 664/844/854/864/1064/874/1074 EM
AG427466	Headliner, RoGator 664/844/854/864/1064/874/1074 LM

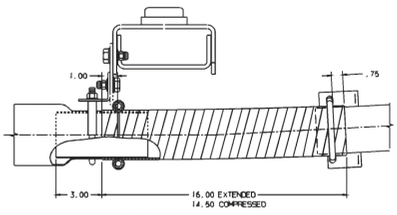
Exhaust



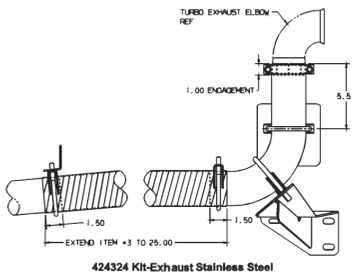
Applications:

- 1993-1998 664, 844, and 854 RoGators use AG517350 or stainless steel kit AG424320.*
- 1999-2002 854 RoGators use AG325522.
- 2000-2002 1254 RoGators use AG325697.**

Notes: ** If AG517350 or AG325522 are ordered, two AG555185 clamps will need to be ordered also. AG424320 includes flex pipe and clamps. ** If ordering AG325697, AG516482 clamp and one AG513347 clamp should also be ordered.*



424320 Kit-Exhaust Stainless Steel



424324 Kit-Exhaust Stainless Steel

Part	Description
AG424320	Kit Exhaust Stainless Steel
AG517350	Flex Pipe Exhaust 3" x 14-1/2"
AG555185	Clamp Exhaust 3"
AG521946	Clamp Exhaust 3" Stainless Steel
AG325522	Flex Pipe Exhaust 3" x 22"
AG514347	Clamp Band Exhaust 4"
AG516482	Clamp Exhaust 3"
AG325697	Flex Pipe Exhaust 4" x 25"

Engine Components

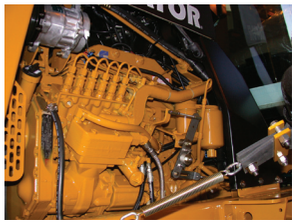
Starters

- 1996-1999 544 and 554 RoGator use AG727594-R* starter
- 1993-2002 664, 844, and 854 use AG727594-R* starter
- 2000-2001 1254 uses AG727594-R* starter
- 2003-2005 864 and 1064 use AG121854 starter
- 2005-2006 874 and 1074 use AG121854 starter

*Note: *No longer available from AGCO; order from Cummins.*

Part	Description
AG121854	Starter with Solenoid
AG727594R	Reman Starter
AG716153	Solenoid Only for 727594 Starter (While Supplies Last)
V836873457	Starter for RG900/1100/1300

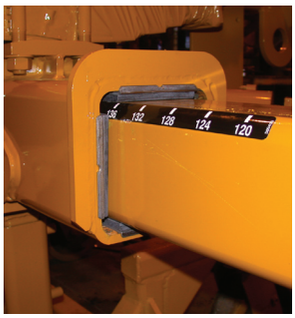
Engine Sensors 664, 844 and 854



Part	Description
AG517543	Sensor Water Temperature
AG515704	Switch Low Oil Pressure
AG519223	Sensor Magnetic Pickup
AG558710	Plug 3/4"
AG008971	Key Drive

Suspension Parts

Axle Wear Pads 664, 844, 854



Applications: 1993-2002 664, 844, and 854 RoGators, front and rear axles.

Note: *AG724737 fiber wear pad and shim kit includes items 1-10 and includes enough parts to replace pads in one axle.*

Ref	Part	Description
	AG724737	Fiber Wear Pad and Shim Kit
1	AG228397	Pad Tube
2	AG320482	Shim 20 GA SM
3	AG320235	Shim 16 GA SM
4	AG320483	Shim 20 GA LG
5	AG320236	Shim 16 GA LG
6	AG518505	Screw 3/8-24 NF
7	AG518511	Nut Flange 3/8-24 NF
8	AG519184	Bolt 3/8-24 NF
9	AG233052	Lock Strap
10	AG550280	Fitting Lube 1/8"

Axle Wear Pads 1254/1264

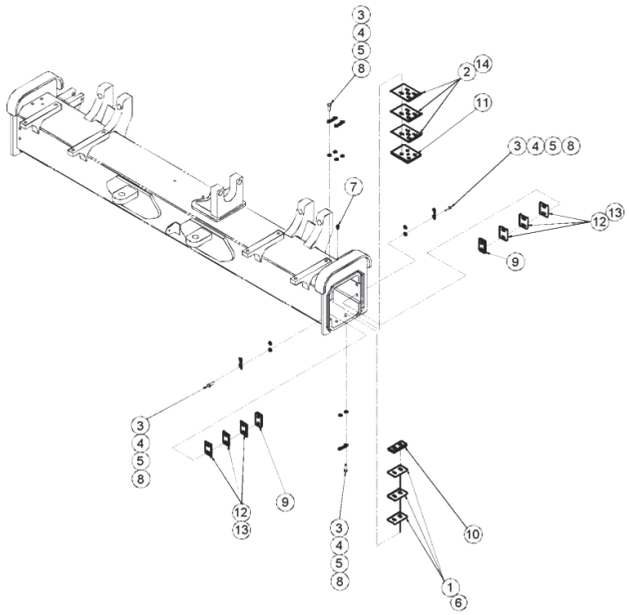
Applications:

- 2000-2002 1254 RoGators.
- 2003-2005 1264 RoGators.
- 2006-2007 1274C2007 SS/SSC with airbags.

Quantities listed are enough to replace wear pads on one axle. Quantities of shim may vary depending on model.

Note: *Use shims as needed to obtain a tight fit with no gap between wear pads and axle tube.*

Ref	Part	Description
1	AG239390	Shim Wear Pad Bottom 20 GA
2	AG325342	Shim Wear Pad Top 20 GA
3	AG233052	Lock Strap
4	AG519184	Bolt 3/8-24 NF
5	AG512885	Loctite® Adhesive Sealant (Blue)
6	AG239389	Shim Wear Pad Bottom 16 GA
7	AG550280	Fitting Lube 1/8"
8	AG550981	Washer 3/8"
9	AG325345	Pad Wear Outer Plastic Side
10	AG325344	Pad Wear Outer Plastic Bottom
11	AG325340	Pad Wear Outer Plastic Top
12	AG239391	Shim Wear Pad Side 16 GA
13	AG239392	Shim Wear Pad Side 20 GA
14	AG325341	Shim Wear Pad Top 16 GA



			QTY
1	239390	shim-wear pad, bottom 20 ga	AR
2	325342	shim-wear pad, top 20 ga	AR
3	233052	lock strap	10
4	519184	bolt .38-24nf x 1.00"	20
5	512885	boktite adhesive sealant (blue)	AR
6	239389	shim-wear pad, bottom 16 ga	AR
7	550280	fitting lube 1/8"	6
8	550981	washer .38	AR
9	325345	pad-wear, outer plastic side	4
10	325344	pad-wear, outer plastic bottom	2
11	325340	pad-wear, outer plastic top	2
12	239391	shim-wear pad, side 16 ga	AR
13	239392	shim-wear pad, side 20 ga	AR
14	325341	shim-wear pad, top 16 ga	AR

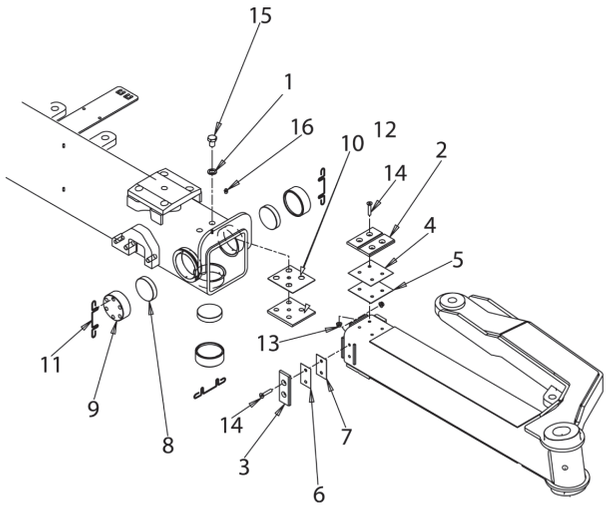
Axle Wear Pads

Applications:

- 2003-2005 864/1064.
- 2005-2008 874/1074.

Note: *View below refers to the LH front of machine. All four corners of the machine use the same orientation as the graphic below.*

Ref	Part	Description
1	AG122800	Washer Flat .75
2	AG231449	Pad Grease Large .38
3	AG231454	Pad Wear Small .38
4	AG260929	Shim Wear Pad Large 20 Gauge
5	AG260930	Shim Wear Pad Large 16 Gauge
6	AG260931	Shim Wear Pad Small 20 Gauge
7	AG260932	Shim Wear Pad Small 16 Gauge
8	AG262873	Pad Wear Steel
9	AG262879	Adjuster Wear Pad
10	AG262955	Shim Wear Pad Upper
11	AG263035	Clip Retaining Wear Pad
12	585539D1	Pad Wear Axle Upper Steel
13	AG518511	Nut Flange 3/8-24 NF
14	AG522486	Screw .38-28 x 2
15	AG524079	Bolt Hex 3/4-10 UNC x 1.00 Stainless Steel HHD
16	AG550280	Fitting Lube 1/8"



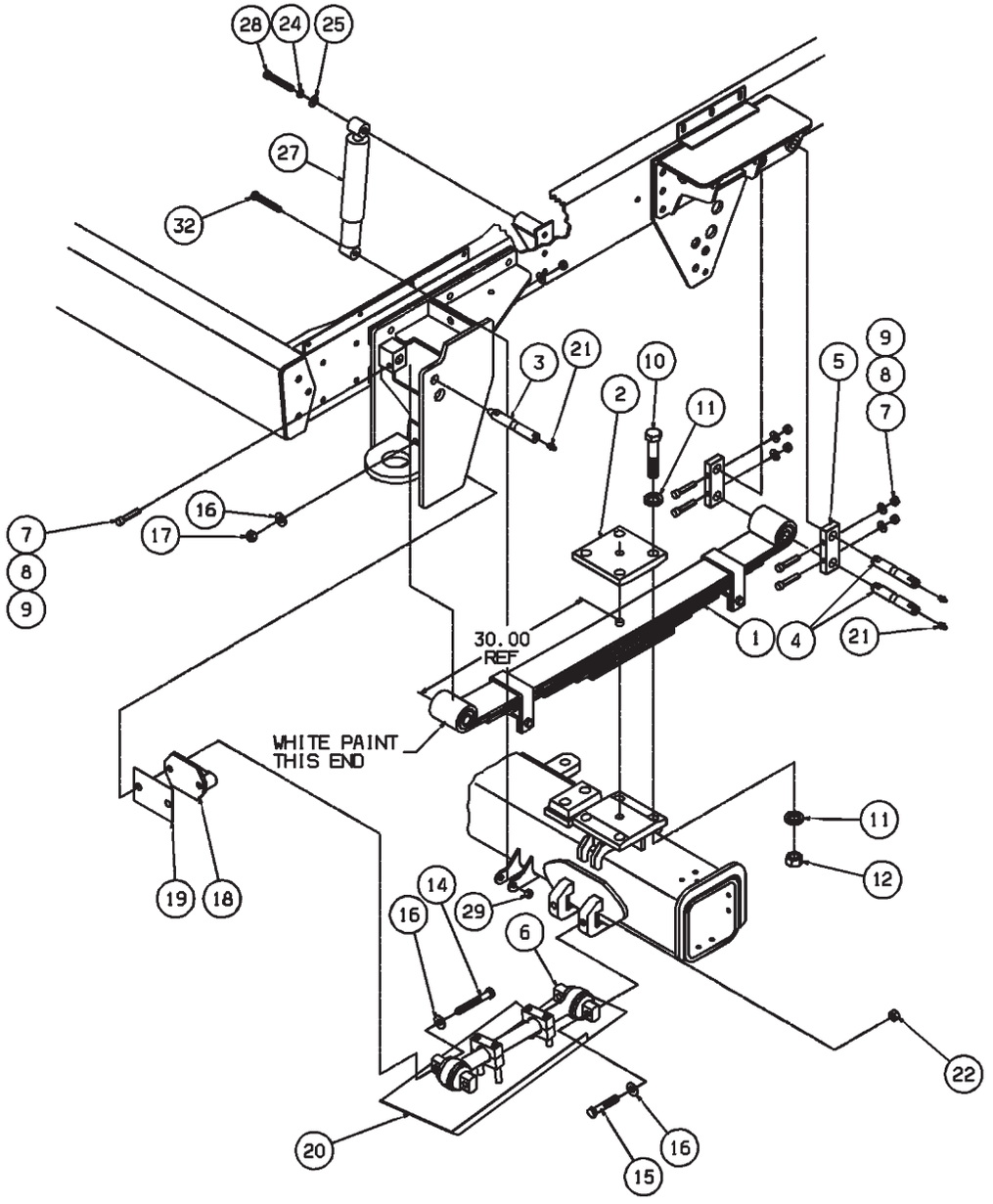
Suspension 854 1999-2002

Applications: 1999-2002 854 RoGators.

Note: *2002 854 may have a heavy-duty spring option (item 30b).*

Ref	Part	Description
1	AG523352	Leaf Spring Front
3	597746D1	Pin Front Shackle
4	AG514712	Pin Rear Shackle
5	AG514700	Shackle Spring
6	AG523036	Torque Arm Assembly 1-1/4"
7	AG514711	Draw Key
8	AG557676	Hex Nut 3/8-16 NC
9	AG514559	Washer Flat 3/8"
10	AG562584	Bolt 1.00-8 x 7.50
11	705574	Washer Flat 1"
12	SN110	Hex Nut 1.00-8
13	AG559083	Lube Fitting 90° - .12 NPTF
14	AG563056	Bolt 5/8-11NC x 6.00
15	AG563129	Bolt 5/8-11NC x 3.25 G8
16	70937005	Washer 5/8 Flat
17	AG601217	Nut 5/8-11

Ref	Part	Description
18	AG600660	Bracket Frame
20.4	AG523045	Clamp 1-1/4" Black Poly
20.6	AG563104	Bolt 1/4-20 x 5.25
20.7	Y704395	Nut 1/4-20
20.8	AG550507	Washer 1/4 Flat
20.9	AG609777	Spacer
21	AG550280	Fitting Lube 1/8"
22	AG557692	Nut 5/8-11
24	AG550264	Washer 1/2 Lock
25	AG550353	Washer 1/2 Flat
27	AG522390	Shock Absorber
29	AG559253	Nut 1/2-13
30a	AG523499	Leaf Spring Rear
30b	AG424839	Leaf Spring - Heavy-Duty Option 2002
31	AG522603	Bolt 1.00-8 x 8
32	AG561887	Bolt 1/2-13 x 3.00



Suspension 1254/1264/1274

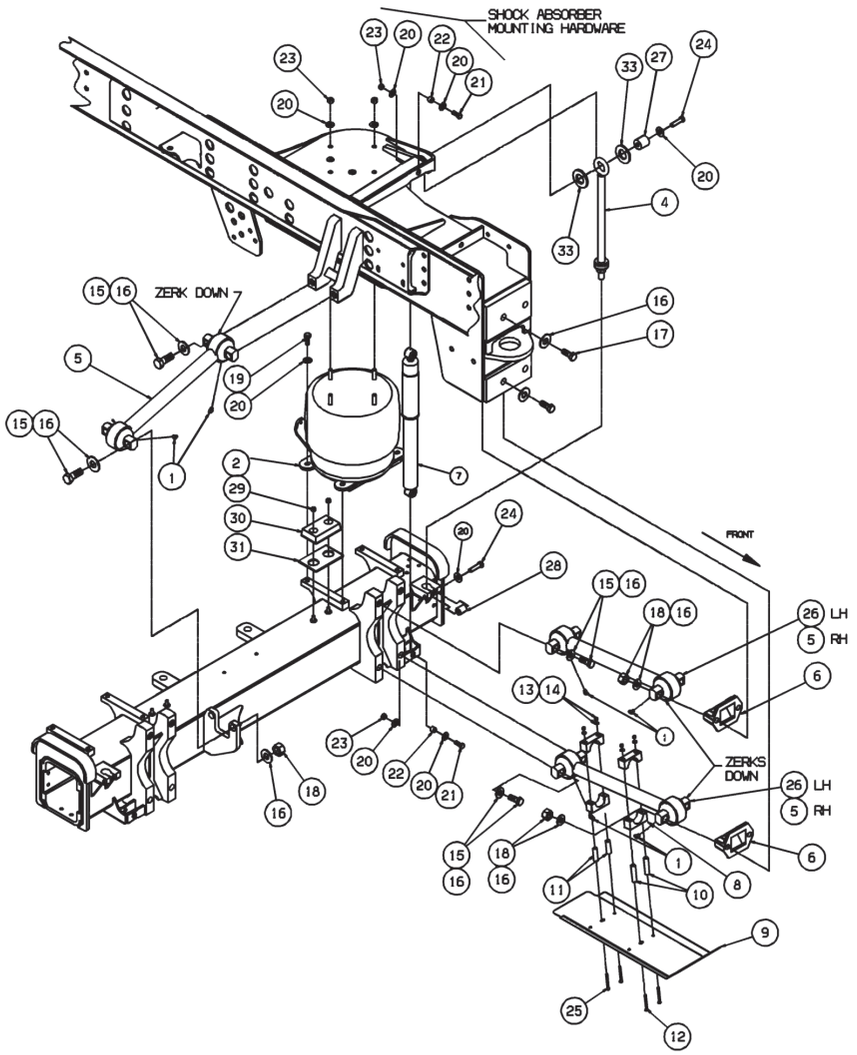


Applications: 2000-2007 RoGators.

Note: *Front view shown below. Same view for rear of machine, with the exception of the anti-roll bar.*

Ref	Part	Description
1	AG562551	Zerk 45° .125 NPT
2	AG522285	Air Bag Only
12.1	AG325217	Bracket Weldment Mtg. Front
2.1b	AG325895	Bracket Weldment Mtg. Rear
2.2	AG550353	Washer 1/2 Flat
2.3 & 19	SN1823	Bolt 1/2-13 x 1-1/4
4.1	AG522877	Eye Bolt 3/4-10 x 18
4.3	AG522890	Bumper Rebound Stop
4.4	AG521690	Washer Hard 1.88 x .81 x .25
4.5	AG603864	Nut 3/4-10
4.6	705574	Washer Flat 1"
5	584838D1	Torque Rod Adjustable

Ref	Part	Description
6	AG239174	Bracket Frame
7	AG522530	Shock Absorber
8	AG518339	Clamp Black Poly
13	AG550507	Washer 1/4 Flat
14	Y704395	Nut 1/4-20
15	AG522709	Bolt .88-9NC x 3.25, G8, G8, ZN, HHD
16	AG606258	Washer 1.75 OD x .93 ID
17	AG522710	Bolt .88-9 x 3.75
18	AG522719	Nut .88-9
20	AG514554	Washer 1/2 Flat
21	SN1507	Bolt 1/2-13 x 3-1/2
22	AG109812	Tube Spacer 3/4 OD x .63
23	AG601152	Nut 1/2-13
24	AG562490	Bolt 1/2-13 x 2-3/4
25	AG562256	Bolt 1/4-20 x 5
26	584839D1	Torque Rod
27	AG109903	Spacer Mounting Cable Hanger
28	590236D1	Spacer Mounting Cable Stop
29	AG515140	Nut 3/8-16 Stainless Steel
30	AG514814	Bumper Pad
31	AG260455	Bumper Plate Spacer
33	AG109948	Spacer Eyebolt Hanger
	AG726565	End Torque Rod LH
	AG726566	End Torque Rod RH

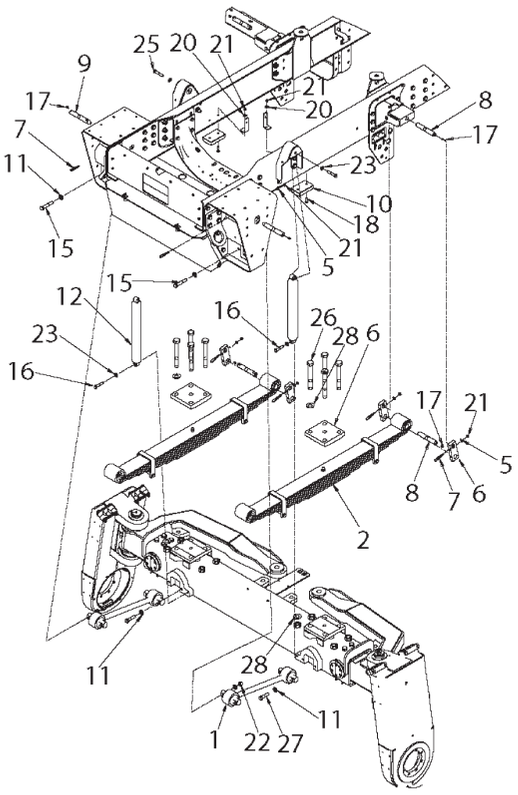


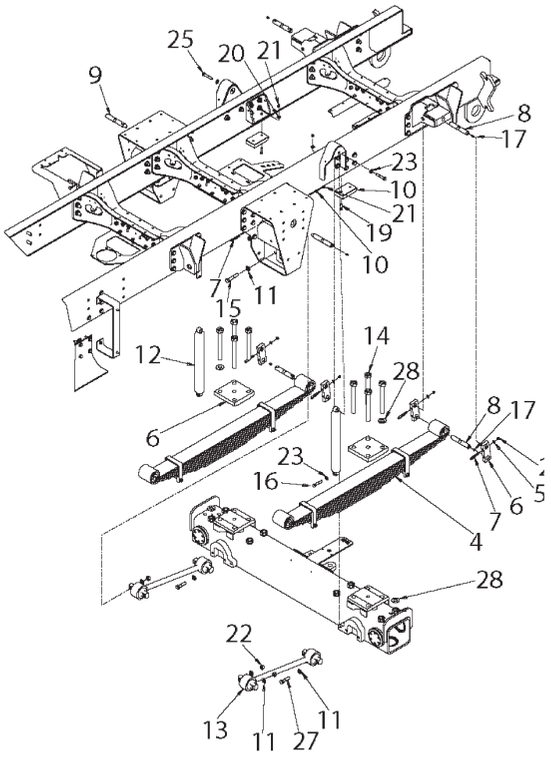
Suspension 864/1064/874/1074

Applications:

- 2003-2005 864/14064 RoGator.
- 2005-2008 874/1074 RoGator.

Ref	Part	Description
1	AG121903	Arm Torque
2	AG121904	Leaf Spring Front 1,500 lbs.
4	AG424839	Leaf Spring - Heavy-Duty Option 2002
5	AG514559	Washer Flat 3/8"
6	AG514700	Shackle Spring
7	AG514711	Draw Key
8	AG514712	Pin Rear Shackle
9	597746D1	Pin Front Shackle
10	AG514814	Bumper Pad
11	70937005	Washer 5/8 Flat
12	AG522530	Shock Absorber
13	AG523663	Torque Arm
14	AG524266	Bolt 1.00-8 x 8.50 G8
15	AG524335	Bolt .62-11 UNC x 3.50 G8
16	AG524420	Bolt .50-13 x 2.50 G8
17	AG550280	Fitting Lube 1/8"
18	70920415	Bolt .37-16NC x 1.25 G5
19	AG550779	Bolt .38-16 x 1-1/2”
20	AG551007	Washer Flat .38
21	AG557676	Hex Nut 3/8-16 NC
22	AG557692	Nut 5/8-11
23	353758X1	Washer .50 Flat
24	SN110	Hex Nut 1.00-8
25	AG562490	Bolt 1/2-13 x 2-3/4
26	AG562584	Bolt 1.00-8 x 7.50
27	AG563127	Bolt .62-11 x 2.50 G8
28	705574	Washer Flat 1"
	AG713619	Bushing 518318





1254 Fuel and Hydraulic



Applications: 2000-2002 1254 RoGator fuel and hydraulic components.

Part	Description
526404D1	Fuel Cap (Non-Vented)
AG058518	Gasket for Fuel Cap
AG519556	Fuel Level Sending Unit
AG517977	Hydraulic Tank Cap
AG232584	Hydraulic Fluid Level Sender (Top of Tank)
595129D1	Hydraulic Fluid Level Sight Gauge (Side of Tank)
AG518428	Breather for Hydraulic Tank

Fuel/Hydraulic 64/74



Applications:

- 2003-2005 864/1064/1264 RoGators fuel and hydraulic tanks and tool boxes.
- 2005-2007 8/10/1274 RoGator fuel and hydraulic tanks and tool boxes.

Part	Description
532736D1	Tank Fuel RH
566652D2	Tank Fuel LH
526404D1	Fuel Cap (Non-Vented)
AG058518	Gasket for Fuel Cap
AG519556	Fuel Level Sending Unit
539921D1	Hydraulic Reservoir 60-Gal. Poly
AG121768	Cap with Lanyard for Hydraulic Tank
595129D1	Hydraulic Fluid Level Sight Gauge (Side of Tank)
AG121778	Filter, Hydraulic Tank Breather
AG421609	Cabinet Door
AG324178	Cabinet Door Hinge
AG519481	Battery Door Latch
AG522742	Plastic Plug for Back of Tool Cabinet

1998-2001 854 Sheet Metal



Application: 1998-2001 854 RoGator sheet metal.

Note: *The 2001 854 will use the same rubber strap (AG600008) and the same part number (AG601225) as the earlier model 854s.*

Part	Description
AG519481	Battery Door Latch
AG510327	Hood Hold-Down Assembly
AG600008	Rubber Strap for Hood
AG600016	Hook
AG600024	Attaching Bracket
AG601225	Pin for Rubber Strap
AG517812	Rubber Bumper for Glass Door

2000-2001 1254 Sheet Metal



Applications: 2000-2001 1254 RoGator sheet metal.

Note: *This cabinet door is interchangeable for all three cabinets on the 1254.*

Part	Description
AG323418	Step Weldment
AG562065	Nut 3/8"
AG523061	Washer .37 Flat Stainless Steel
282699M1	Screw Captive Wing Head (for Small Inspection Door)
AG522454	Knob 4-Prong .31 x 1
AG519802	Rubber Bumper for Entry Door
AG421609	Cabinet Door
AG519481	Battery Door Latch
AG324178	Cabinet Door Hinge
AG600008	Rubber Strap for Hood
AG601225	Pin for Rubber Strap

2002 854 Sheet Metal



Applications: 2002 854 RoGator sheet metal.

Part	Description
AG262883	Spacer Base End of Cylinder Upper Ladder
AG519802	Rubber Bumper for Entry Door
AG519481	Battery Door Latch
AG600008	Rubber Strap for Hood
AG601225	Pin for Rubber Strap

2002 1254 Sheet Metal

Applications: 2002 1254 RoGator sheet metal.

Notes: *This cabinet door is interchangeable for all three cabinets on the 1254. The ladder cylinder has been updated from AG424994 to AG425222. If you are replacing AG424494 with AG425222, you will also need to order two of AG561677 (90° elbow) to adapt new cylinder. The part number of the cylinder should be stamped near the base of the cylinder. Note the replacement seal for AG425222 is AG610878.*

Part	Description
AG327251	Step Aluminum
AG520929	Grab Handle
AG519802	Rubber Bumper for Entry Door
AG561677	Elbow 90° MO-R x MJIC (Ladder Cylinder)
AG262883	Spacer Base End of Cylinder Upper Ladder
282699M1	Screw Captive Wing Head (for Small Inspection Door)
AG522454	Knob 4-Prong .31 x 1
AG421609	Cabinet Door
AG519481	Battery Door Latch
AG324178	Cabinet Door Hinge
AG600008	Rubber Strap for Hood
AG601225	Pin for Rubber Strap

2003-2005 8/10/1264 RoGator Sheet Metal

Applications: 2003-2005 864/1064/1264 sheet metal.

Notes: *The ladder cylinder has been updated from AG424994 to AG425222. If you are replacing AG424994 with AG425222, you will also need to order two of AG561677 (90° elbow) to adapt the new cylinder. The part number of the cylinder should be stamped near the base end of the cylinder.*

Part	Description
AG327251	Step Aluminum
AG519802	Rubber Bumper for Entry Door
AG520929	Grab Handle
AG425222	Cylinder for Hydraulic Fold Ladder
AG561677	Elbow 90° MO-R x MJIC (Ladder Cylinder)
AG262883	Spacer Base End of Cylinder Upper Ladder
AG522454	Knob 4-Prong .31 x 1
AG522406	Gas Spring for Hood
AG600008	Rubber Strap for Hood
AG601225	Pin for Rubber Strap

2003-2005 8/10/1274 Sheet Metal

Notes: *The ladder cylinder has been updated from AG424494 to AG425222. If you are replacing AG424994 with AG425222, you will also need to order two of AG561677 (90° elbow) to adapt new cylinder. The part number of the cylinder should be stamped near the base end of the cylinder. The ball stud and hardware listed are parts to improve the shock and hood assembly to make it stronger. Please refer to service bulletin 0520 for more information.*

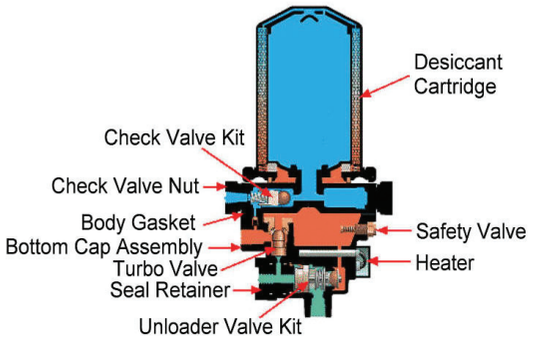
Part	Description
AG132280	Ladder Stringer LH Lower
AG130450	Step Entrance Stamped Steel
AG520929	Grab Handle
AG519802	Rubber Bumper for Entry Door
AG425222	Cylinder for Hydraulic Fold Ladder
AG561677	Elbow 90° MO-R x MJIC (Ladder Cylinder)
AG262883	Spacer Base End of Cylinder Upper Ladder
AG522454	Knob 4-Prong .31 x 1
AG522406	Gas Spring for Hood
AG518511	Nut Flange 3/8-24 NF
AG600008	Rubber Strap for Hood
AG601225	Pin for Rubber Strap

RoGator Air System

1997-2001 854 RoGator Air System



Notes: *1997-1998 854 RoGators use a Turbo 3000 air dryer. 1999-2001 854 RoGators use a Meritor Wabco-type air dryer. (See 2001-2002 854 for Wabco parts breakdown.)*
**ACP0380970 1997-1998;*
*** AG522147 1999-2001 854.*

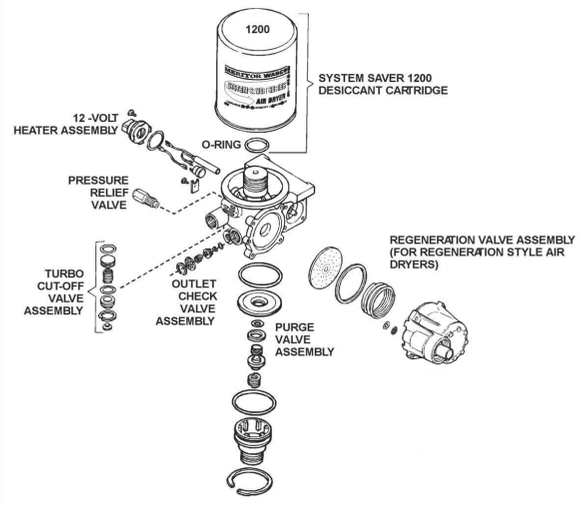


Part	Description
AG334459	Gasket Between Engine and Compressor
AG224865	Hose Assembly - 8 x 102" Teflon® Hose Stainless Steel Braid
ACP0380970	Air Dryer (Turbo 3000) *
AG716166	Unloader Valve
AG716167	Desiccant Replacement Filter 1996-1998
AG718175	Safety Valve (While Supplies Last)
AG522147	Air Dryer **
AG330202	Filter, Air Dryer Desiccant (with Air Dryer Option)
AG723385	Heater Kit 12V
AG723382	Regeneration Valve
AG058537	Turbo Cut-Off Valve
AG724201	Purge Valve
AG723386	Outlet Check Valve Kit

2002 854 Air System



Application: 2002 854 RoGator air system.

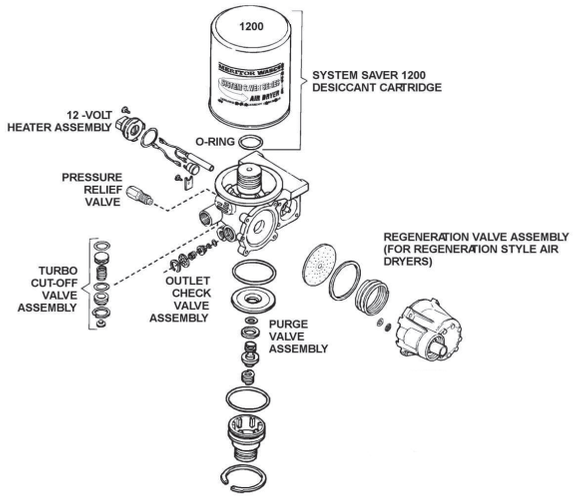


Part	Description
AG224865	Hose Assembly - 8 x 102" Teflon® Hose Stainless Steel Braid
AG522426	Air Dryer (Meritor Model 1200) 2002 854
AG330202	Filter, Air Dryer Desiccant (with Air Dryer Option)
AG723385	Heater Kit 12V
AG723383	Turbo Cut-Off Valve
AG723382	Regeneration Valve
AG724201	Purge Valve
AG723386	Outlet Check Valve Kit

2000-2001 1254 Air System



Applications: 2000-2001 1254 RoGator air system.



Part	Description
AG224865	Hose Assembly - 8 x 102" Teflon® Hose Stainless Steel Braid
AG522147	Air Dryer
AG330202	Filter, Air Dryer Desiccant (with Air Dryer Option)
AG723385	Heater Kit 12V
AG723382	Regeneration Valve
AG058537	Turbo Cut-Off Valve
AG724201	Purge Valve
AG723386	Outlet Check Valve Kit
AG522285	Air Bag Only
AG325217	Bracket Weldment Mtg. Front
AG325895	Bracket Weldment Mtg. Rear
ACW5281410	Control Valve Height for Air Bags

2002 1254 Air System



Application: 2002 1254 RoGator air system.

Part	Description
AG224865	Hose Assembly - 8 x 102" Teflon® Hose Stainless Steel Braid
AG522426	Air Dryer (Meritor Model 1200) 2002 854
AG330202	Filter, Air Dryer Desiccant (with Air Dryer Option)
AG723385	Heater Kit 12V
AG723383	Turbo Cut-Off Valve
AG723382	Regeneration Valve
AG724201	Purge Valve
AG723386	Outlet Check Valve Kit
AG522285	Air Bag Only
AG325217	Bracket Weldment Mtg. Front
AG325895	Bracket Weldment Mtg. Rear
ACW5281410	Control Valve Height for Air Bags

RoGator Drive System Parts

Wheel Motors and Power Hubs

Part Not Available Through AGCO Parts

554 HVY. Hub Without Speed Sensor - 1999		
New Part	**Reman Part**	**Description**
	AG799992	LH Front w/o Speed Sensor
	AG799993	RH Front w/o Speed Sensor
	AG799994	LH Rear w/o Speed Sensor

554 HVY. Hub With Speed Sensor { New Style } - 1999		
New Part	**Reman Part**	**Description**
AG522953	AG799996	LH Front w/ Speed Sensor
	AG799997	RH Front w/ Speed Sensor
AG522955		LH Rear w/ Speed Sensor
AG522956		RH Rear w/ Speed Sensor

854/864/1064 - 1999-2003		
New Part	**Reman Part**	**Description**
AG423815	AG799844	LH Front
	AG799845	RH Front
AG522677	AG799772	LH Rear
AG522676	AG799771	RH Rear

1054/1254/1264 - 2000-2004		
New Part	**Reman Part**	**Description**
AG423436	AG135950R	LH/RH Front w/Brake
AG423437	AG799811	LH/RH Rear, No Brake

864/1064 - 2004		
New Part	**Reman Part**	**Description**
AG122466	AG897022	LH/RH Front w/Brake
AG122469	AG897023	LH Rear
AG122468	AG897024	RH Rear

864/1064 - 2005		
New Part	**Reman Part**	**Description**
AG130438	AG132397	LH/RH Front w/ Std. Brake
AG130440	AG130440R	LH/RH Front w/ Hi-Torque Brake
AG122469	AG897023	LH Rear
AG122468	AG897024	RH Rear

1264/1274 - 2005		
New Part	**Reman Part**	**Description**
AG135950	AG135950R	LH/RH Front w/Brake
AG423437	AG799811	LH/RH Rear, No Brake

874/1074/SS874/SS1074/SSC874/SSC1074/1074C -2005-2008		
New Part	**Reman Part**	**Description**
AG132284	AG138337	LH/RH Front w/Brake
AG122468	AG897024	LH Rear
AG122469	AG897023	RH Rear

Part Not Available Through AGCO Parts

1274 - 2006		
New Part	**Reman Part**	**Description**
AG135950	AG135950R	LH/RH Front w/Brake
	AG136678R	LH/RH Rear, No Brake

1286C - 2008		
New Part	**Reman Part**	**Description**
509916D1	509916D1R	LH/RH Front w/Brake
507867D1	507867D1R	LH/RH Rear, No Brake

884/1084/SS884/SS1084/SSC1084 -2009 | 984/1184/984H/1184H - 2010		
New Part	**Reman Part**	**Description**
518283D1	518283D1R	LH/RH Front w/Brake
	AG136678R	LH/RH Rear, No Brake

1286C - 2009, 1386C - 2010		
New Part	**Reman Part**	**Description**
523665D1	523665D1R	LH/RH Front w/Brake
507867D1	507867D1R	LH/RH Rear, No Brake

994/1194 - 2011		
New Part	**Reman Part**	**Description**
547642D1	547642D1R	Hydraulic Motor - Wheel Motor
572361D1	572361D1R	Power Hub Gearbox

1396 - 2011		
New Part	**Reman Part**	**Description**
537043D1	537043D1R	Hydraulic Motor - Wheel Motor
572362D1	572362D1R	Power Hub Gearbox

RG900/1100 - 2012-2015 | RG900B/1100B - 2016-2017		
New Part	**Reman Part**	**Description**
537042D1	537042D1R	Hydraulic Motor - Wheel Motor
572361D1	572361D1R	Power Hub Gearbox

RG1300 - 2012-2015 | RG1300B - 2016 &2017		
New Part	**Reman Part**	**Description**
537043D1	537043D1R	Hydraulic Motor - Wheel Motor
572362D1	572362D1R	Power Hub Gearbox

RG900/1100C - 2017-2020		
New Part	**Reman Part**	**Description**
586970D1		Hydraulic Motor - Wheel Motor
578941D1		Power Hub Gearbox

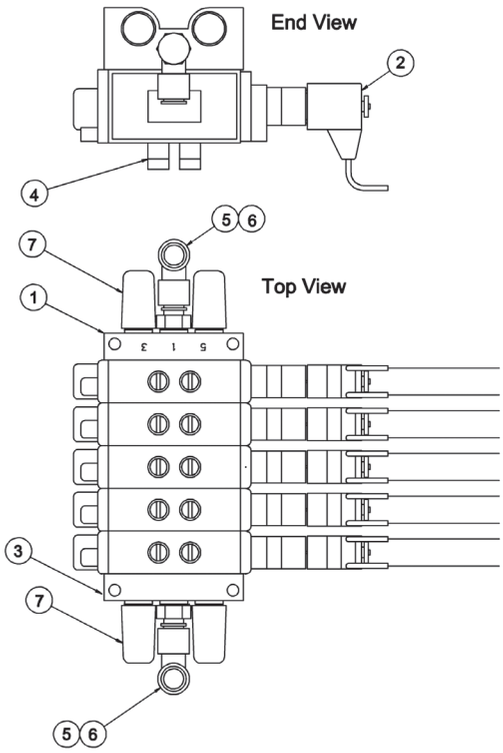
RG1300C - 2017-2020		
New Part	**Reman Part**	**Description**
586971D1		Hydraulic Motor - Wheel Motor
578942D1		Power Hub Gearbox (36MPH)
595238D1		Power Hub Gearbox (30MPH)

664, 844, and 854 RoGator Norgren Valves



Applications: 1993-2002 RoGators.

Note: ** This kit contains six 3CC vials of lubricant for the Norgren valves.*



Ref	Part	Description
1	AG331979	Air Valve Assembly (Stack of 5)
2	AG331977	Single Valve Section
2.5	AG723928	Spring (Under Cap)
2.6	AG716901	Return Spring
4	AG518421	Quick Coupler .25 Metal
5	AG516476	Elbow Union 3/8"
6	AG517851	Stem Adapter .38 Tube x .25 NPTF
7	AG518422	Muffler
N/S	AG726196	Lubrication Kit *

2003-08 8/1064, 8/1074 Air System



Applications:
- 2003-2005 8/1064 RoGators.
- 2005-2008 8/1074 RoGators.

Part	Description
AG520964	Air Dryer for 8103/8104
AG330202	Filter, Air Dryer Desiccant (with Air Dryer Option)
AG723385	Heater Kit 12V
AG723383	Turbo Cut-Off Valve
AG723382	Regeneration Valve
AG724201	Purge Valve
AG723386	Outlet Check Valve Kit
604664D1	Drain Valve for Air Tank

2003-07 1264/1274 Air System



Applications:
- 2003-2005 1264 RoGators.
- 2005-2007 1274 RoGators.

Part	Description
AG520964	Air Dryer for 8103/8104
AG330202	Filter, Air Dryer Desiccant (with Air Dryer Option)
AG723385	Heater Kit 12V
AG723383	Turbo Cut-Off Valve
AG723382	Regeneration Valve
AG723386	Outlet Check Valve Kit
AG522285	Air Bag Only
AG325217	Bracket Weldment Mtg. Front
AG325895	Bracket Weldment Mtg. Rear
ACW5281410	Control Valve Height for Air Bags

1254 Humphrey Valves



Applications: 2000-2002 1254 RoGators.

Note: *These valves control the air flow to the bray valves on the booms.*

Part	Description
AG331628	Complete Valve Section (5 Used)
576101D1	Air Switch - Normally Closed - Screw In
AG521782	Humphrey Valve (Main Boom Valve and Cleanout)
AG519314	Quick Exhaust Valve Poly

Tires and Fenders

RoGator Flotation Tire Options



Applications: 554, 854, 864, 1064, 1254, and 1264 RoGator flotation tires.

Notes: *If you are using AG523111 to replace AG521691, you will want to screw the bolt all the way into the wheel motor and measure the distance from the bolt head to the face of the wheel motor. If the distance is more than the thickness of the rim, you will need to add washers.*

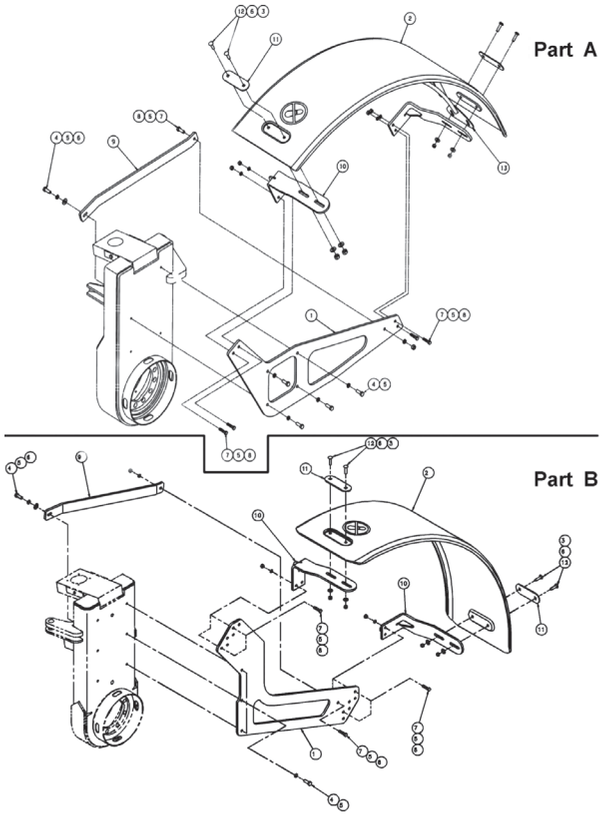
Part	Description
AG521691	Bolt M20-1.5 x 55 mm (854)
AG523111	Bolt M20-1.5 x 60 mm (854)
AG521690	Washer 1.88 x .25 (854)
AG522363	Bolt M22-1.5 x 55 mm (1254)
AG523369	Washer .94 x .16 (1254)

1993-2002 664, 844, and 854 Fenders



Applications: 1993-2002 664, 844, and 854 RoGator fender option.

Notes: *Each fender kit has enough hardware to do one complete axle or both wheels. 1993-1995 will require rework to install AG502480.*

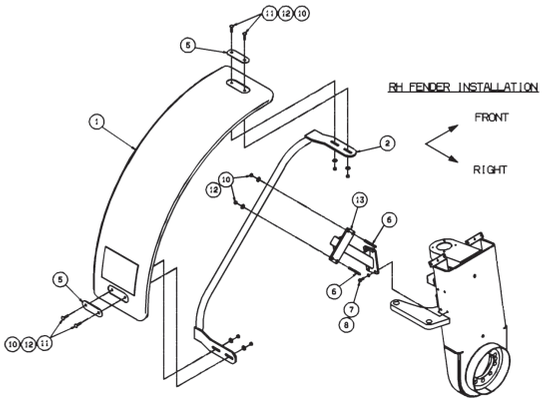


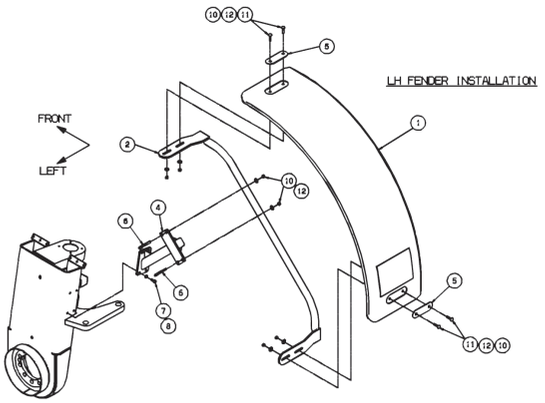
Ref	Part	Description
1a	AG421976	Rear Fender Support Bracket
1b	AG420934	Front Fender Support Bracket
2	552524D1	RoGator Fender - Poly
3	SN3567	Nut .38-16NC
4	353691X1	Bolt .38-16NC x 1"
5		Washer Flat .38
6	AG550191	Washer LK .38
7	AG550779	Bolt .38-16 x 1-12"
8	355566X1	Nut .38-16NC
9a	AG233073	Brace Fender Rear
9b	AG230028	Brace Fender Front
11	AG236763	Mounting Plate - Fender
12	AG520944	Bolt Carriage .38-16 x 1-1/2"

2000-2002 1254 Fenders



Applications: 2000-2002 1254 RoGator fenders.

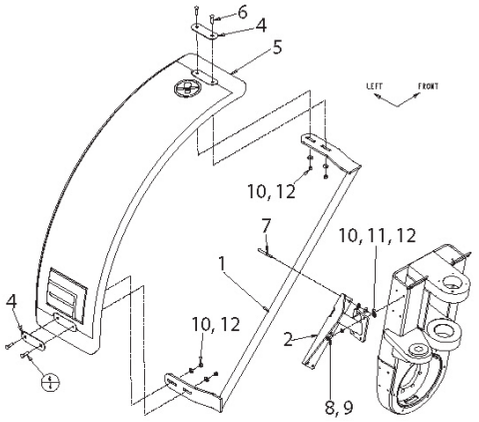


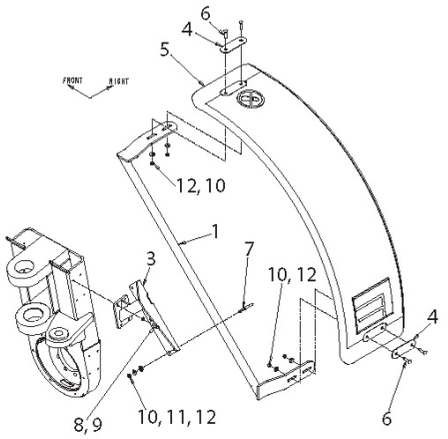


Ref	Part	Description
1	552524D1	RoGator Fender - Poly
2	AG325559	Fender Support Weldment
5	AG236763	Mounting Plate - Fender
6	AG522511	U-Bolt .38-16NC x 1.56 x 1"
7	353691X1	Bolt .38-16NC x 1"
8	AG550191	Washer LK .38
10	SN3567	Nut .38-16NC
11	AG520944	Bolt Carriage .38-16 x 1-1/2"
12	AG551007	Washer Flat .38

2003-2004 864/1064/1264 Fenders

Applications: 2003-2004 864/1064/1264 fenders.

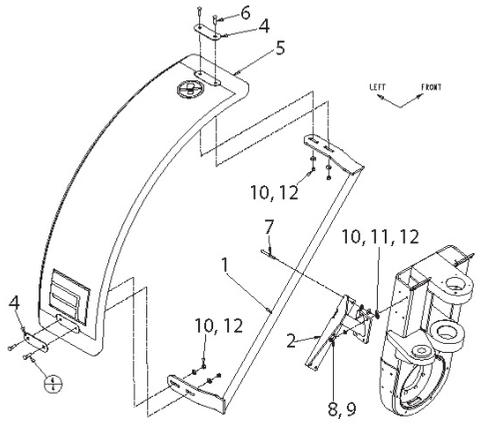


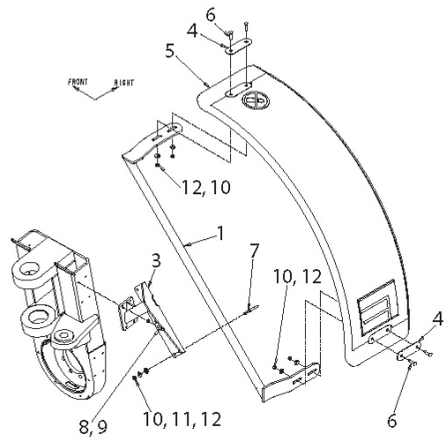


Ref	Part	Description
1	AG325559	Fender Support Weldment
4	AG236763	Mounting Plate - Fender
5	552524D1	RoGator Fender - Poly
6	AG520944	Bolt Carriage .38-16 x 1-1/2"
7	AG522511	U-Bolt .38-16NC x 1.56 x 1"
8	353691X1	Bolt .38-16NC x 1"
9	AG550191	Washer LK .38
10	AG551007	Washer Flat .38
11	AG562438	Washer .37 Ext Int Tooth
12	SN3567	Nut .38-16NC

2005-2006 874/1074/1274 Fenders

Applications: 2005-2006 874/1074/1274 RoGators.





Ref	Part	Description
1	AG127032	Support Weldment Fender
2	578828D2	Bracket Weldment Fender LH
3	578829D2	Bracket Weldment Fender RH
	AG236763	Mounting Plate - Fender
5	552524D1	RoGator Fender - Poly
6	AG520944	Bolt Carriage .38-16 x 1-1/2"
7	AG522511	U-Bolt .38-16NC x 1.56 x 1"
8	353691X1	Bolt .38-16NC x 1"
9	AG550191	Washer LK .38
10	AG551007	Washer Flat .38
11	AG562438	Washer .37 Ext Int Tooth
12	SN3567	Nut .38-16NC

Rims 1993-2002 854 and 1254



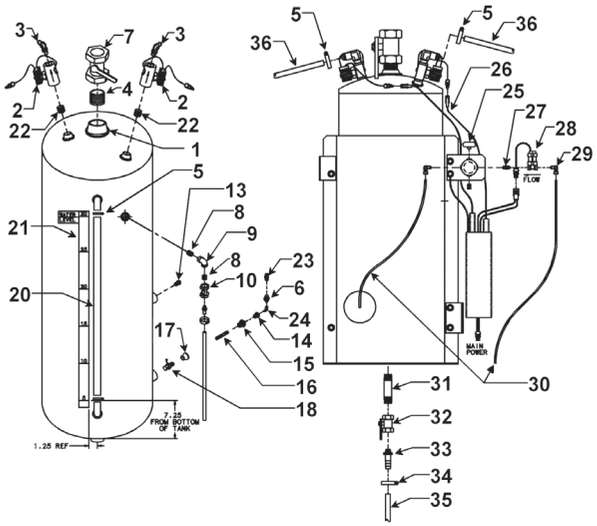
Notes: *1994 664s use AG424493 for high clearance. The rim part number (manufacturer's number) will be stamped on the bead or face of the rim. If you are using part number AG523111 to replace part number AG521691, you will want to screw the bolt and washer all the way into the wheel motor and measure the distance from the washer to the face of the wheel motor. If the distance is more than the thickness of the rim, you will need to add washers to the bolt before installation.*

Part	Description
AG424493	Rim 46 x WH 12A .25 Outset
AG521691	Bolt M20-1.5 x 55 mm (854)
AG523111	Bolt M20-1.5 x 60 mm (854)
AG521690	Washer 1.88 x .25 (854)
AG522363	Bolt M22-1.5 x 55 mm (1254)
AG523369	Washer .94 x .16 (1254)
AG235824	8-Hole Wheel Bolt Spacer Plate (While Supplies Last)
AG239437	10-Hole Wheel Bolt Spacer Plate (2.64 mm Thick)

1993-2002 854 Foam Marker



Notes: *An exploded view is located at the bottom of this page. 1993-1996 RoGators used a short wiring harness to get to the main harness. It also used a diode in that harness, which is listed here. 1997-2002 RoGators did not use the short harness, but do have an in-line buss assembly *Hose is ordered in 1' increments **2000-2002 854s use AG514343 (regulator); order separately. See Service BOM for AG234240 for solenoid valve serviceable components.*



Ref	Part	Description
1	AG405382	Tank 36.5 Gallon Stainless Steel
2b	AG514014	Solenoid Valve Only
2.2	AG056718	Repair Kit for Solenoid Valve
3	AG518413	Elbow 90° 3/4 MNPT x .62 MHB
4	AG560929	2" x 2" Nipple
5	AG561227	Worm Drive Hose Clamp 0.44-0.78
6	AG514243	Check Valve .25 NPT
7	AG513721	Bolted PolyBall Valve 2" (F)NPT
8	AG051901	Nipple 3/8 x Close - 304 Stainless Steel
9	AG051934	Elbow 90° 3/8" - 304 Stainless Steel
10	AG007785	Stainless Steel Valve 3/8"
11	AG051174	Hose Barb 3/8" NPT x 3/8" Barb
13	AG710638	Plug 1/4" - 304 Stainless Steel
14	AG563055	Bushing 3/8 x 1/4" - 304 Stainless Steel
15	AG561508	Bushing 1-1/4" MNPT x .38 FNPT
16	AG714097	Nipple .38 x Close Stainless Steel
17	AG563038	Coupling .38 FNPT x .12 FNPT
18	AG001260	Nozzle Wide Angle
19	AG512362	3/8" Clear Hose - 60 PSI at 72° - 100' roll
20	AG512362	Hose Sight Gauge
21	AG402427	Decal Tank Capacity
22	AG051903	Nipple 3/4 x Close - 304 Stainless Steel
23	AG516233	Male Connector Straight - 1/4 (M)NPT x 1/4" Tube Auto-Lock
24	AG561188	Elbow 90° .25 FNPT x .25 MNPT
25**	AG512052	Air Regulator Assembly with Gauge
25.1	AG514343	Air Regulator Only
25.2a	AG330863	Gauge 0-60 PSI
26a	AG320527	Foam Marker Wiring Harness
26.1a	AG519236	Diode for Foam Marker Harness
26b	AG234426	Buss Assembly 4-Prong with Diode
27	AG560878	Adapter
28a	AG230073	Valve Wiring Modification with Weatherpack
28b	AG518117	Valve Wiring Modification with Two-Wire Pigtail
29	AG516643	Elbow - 1/4" (M)NPT x 1/4" Tube Auto-Lock
30*	ACX3340950	Tubing 1/4" - Nylon Black - by the Ft.
31	AG518218	Nipple 1" x 8" - 304 Stainless Steel
32	AG050206	Union Ball Valve 1" FNPT
33	AG051182	Hose Barb 1" NPT x 3/4" Barb
34	AG561229	Worm Drive Hose Clamp 0.62-0.75
35*	AG512141	3/4" Clear Hose - 30 PSI at 72° - 100' Roll
36*	AG515449	5/8" Clear Hose - 30 PSI at 72° - 100' Roll

2003-2008 Foam Marker 64/74/86C All

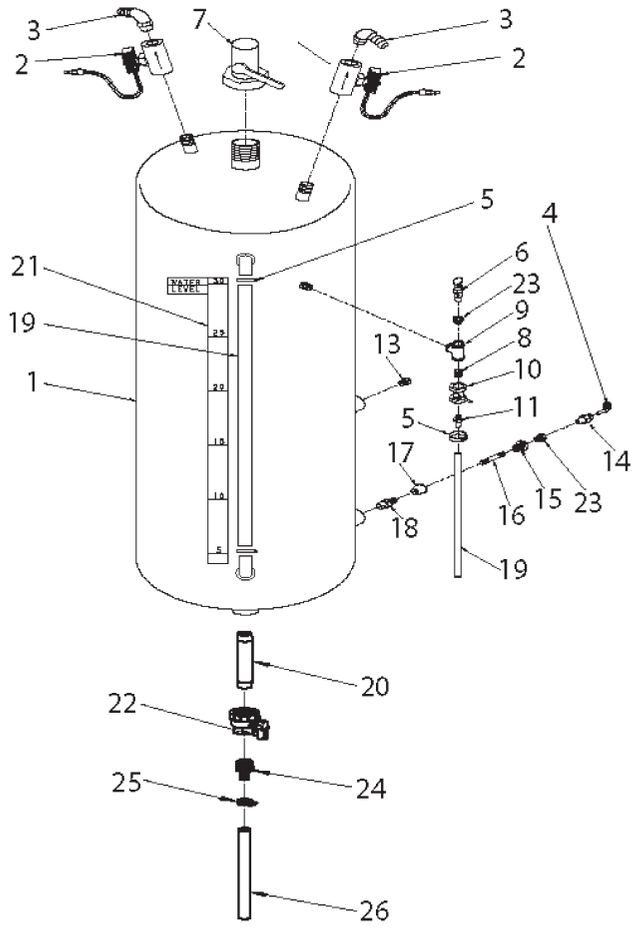
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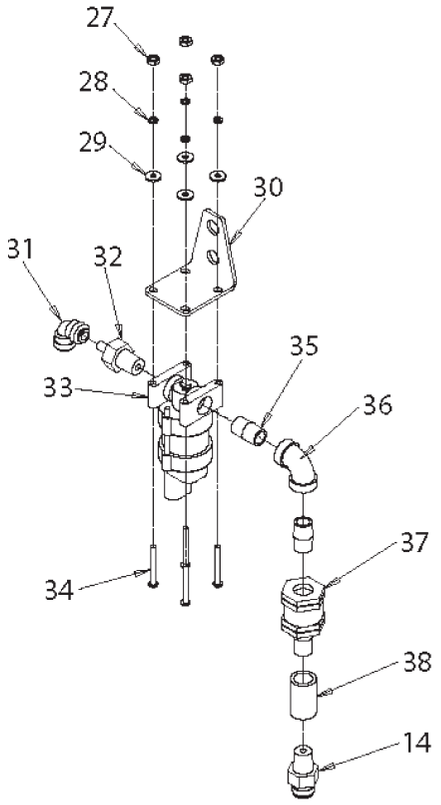
- 2003-2005 864/1064/1264 RoGators.
- 2005-2007 874/1074/1274 RoGators.

Notes: *See the cab controls for the 8/1064 and 8/1074 to view related parts for the foam marker. See the console controls for the 1264 and 1274 RoGators to view related parts for the foam marker. See Service BOM for AG234240 for solenoid valve serviceable components.*

Ref	Part	Description
1	AG405382	Tank 36.5-Gallon Stainless Steel
2.1	AG514014	Solenoid Valve Only
2.3	AG056718	Repair Kit for Solenoid Valve
3	AG518413	Elbow 90° 3/4 MNPT x .62 MHB
5	AG561227	Worm Drive Hose Clamp 0.44-0.78
6	AG512370	Safety Valve 45 PSI
7	AG050209	Union Ball Valve 2" FNPT
8	AG051901	Nipple 3/8" x Close - 304 Stainless Steel
9	AG521846	Tee 3/8" - 304 Stainless Steel
10	AG007785	Stainless Steel Valve 3/8"
11	AG051174	Hose Barb 3/8" NPT x 3/8" Barb
13	AG710638	Plug 1/4" - 304 Stainless Steel
14	AG521354	Connector Straight .25T x .25 NPT Poly

Ref	Part	Description
15	AG561508	Bushing 1-1/4" MNPT x .38 FNPT
16	AG714097	Nipple .38 x Close Stainless Steel
17	AG563038	Coupling .38 FNPT x .12 FNPT
18	AG001260	Nozzle Wide Angle
19	AG512362	3/8" Clear Hose - 60 PSI at 72° - 100' Roll
20	AG518218	Nipple 1" x 8" - 304 Stainless Steel
21	AG402427	Decal Tank Capacity
22	AG050206	Union Ball Valve 1" FNPT
23	AG563055	Bushing 3/8" x 1/4" - 304 Stainless Steel
24	AG051182	Hose Barb 1" NPT x 3/4" Barb
25	AG561229	Worm Drive Hose Clamp 0.62-0.75
26	AG512141	3/4" Clear Hose - 30 PSI at 72° - 100' Roll
27	704551	Hex Nut
28	AG517159	Lock Washer
29	AG517158	Flat Washer
30	AG122116	Mounting Bracket Enable Valve
31	AG516229	Elbow Union 1/4"
32	AG516230	Male Tube Stem Male 1/4 (M)NPT x 1/4" Tube Stem
33	AG522466	Valve Solenoid .25 NPT 12V
34	AG517219	Mounting Screw Enable Valve
35	AG051740	Nipple 1/4" x Close - 304 Stainless Steel
36	AG562693	Elbow 90° 1/4" - 304 Stainless Steel
37	AG514243	Check Valve .25 NPT
38	AG519336	Coupling 1/4" - 304 Stainless Steel



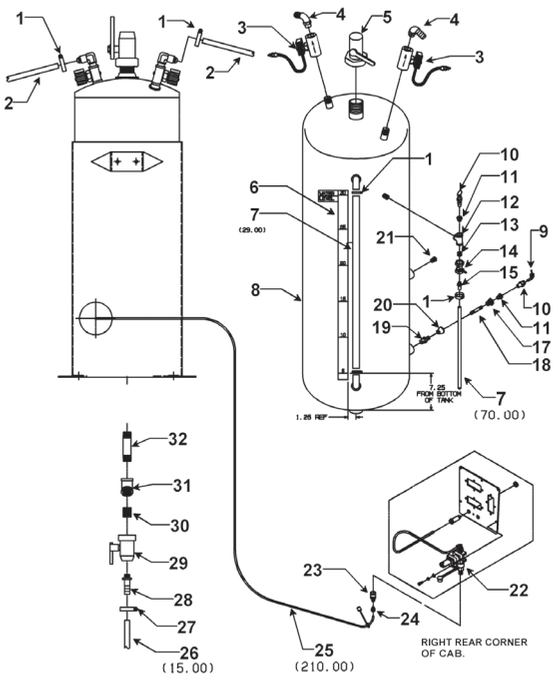


2000-2002 1254 Foam Marker



Applications: 2000-2002 1254 RoGator foam marker.

Note: ** There were three different styles of ball valves used for the three model years. See Service BOM for AG234240 for solenoid valve serviceable components.*



Ref	Part	Description
1	AG561227	Worm Drive Hose Clamp 0.44-0.78
2	AG515449	5/8" Clear Hose - 30 PSI at 72° - 100' Roll
3b	AG514014	Solenoid Valve Only
4	AG056718	Repair Kit for Solenoid Valve
5a*	AG518413	Elbow 90° 3/4" MNPT x .62 MHB
5b*	AG050209	Union Ball Valve 2" FNPT
5c*	AG521291	Valve-Ball, 2.0 Sgl, Union, Poly
7	AG402427	Decal Tank Capacity
8	AG512362	3/8" Clear Hose - 60 PSI at 72° - 100' Roll
9	AG405382	Tank 36.5-Gal. Stainless Steel
10	AG522371	Bushing (While Supplies Last)
11	AG512370	Safety Valve 45 PSI
1	AG563055	Bushing 3/8" x 1/4" - 304 Stainless Steel
12	AG521846	Tee 3/8" - 304 Stainless Steel
13	AG051901	Nipple 3/8" x Close - 304 Stainless Steel
14	AG007785	Stainless Steel Valve 3/8"
15	AG051174	Hose Barb 3/8" NPT x 3/8" Barb
16	AG521354	Connector Straight .25T x .25 NPT Poly
17	AG561508	Bushing 1-1/4" MNPT x .38 FNPT
18	AG714097	Nipple .38 x Close Stainless Steel
19	AG001260	Nozzle, Wide Angle
20	AG563038	Coupling .38 FNPT x .12 FNPT
21	AG710638	Plug 1/4" - 304 Stainless Steel
22	AG522466	Valve Solenoid .25 NPT 12V
22.1	AG051740	Nipple 1/4 x Close - 304 Stainless Steel
22.2	AG514243	Check Valve .25 NPT
22.3	AG516230	Male Tube Stem Male 1/4 (M)NPT x 1/4" Tube Stem
22.1	AG516229	Elbow Union 1/4"
22.5	AG604225	Nipple Coupler .25 FNPT x Hyd Coupler Male
23	AG604224	Nipple Coupler .25 FNPT x Hyd Coupler Female
24	AG516233	Male Connector Straight - 1/4 (M)NPT x 1/4" Tube Auto-Lock
25	ACX3340960	Tubing Airline .25 Poly (Qty. Per Foot)
26	AG512141	3/4" Clear Hose - 30 PSI at 72° - 100' Roll
27	AG561229	Worm Drive Hose Clamp 0.62-0.75
28	AG051182	Hose Barb 1" NPT x 3/4" Barb
29	AG050206	Union Ball Valve 1" FNPT
30	AG710516	1" x Close
32	AG051904	1" x 2-1/2"

Coils/Cartridges


View From Bottom of Boom Block

Applications: 1993-2002 664, 844, 854, and 1254 RoGator coils and cartridges.

Notes: *Please see chart below for your specific machine. The cartridge vendor part number is located to the right of the part number below on the chart and is stamped on the nut portion of the cartridge, which may be helpful for identification. * Note AG714421 has the manual override; use AG712148 without manual override. ** Can use AG609468. *** AG610014 is a two-wire small coil with weatherpack connector and round pins.*

	Hi/Lo 4WD Posi		Boom Enable		Boom Functions		Track Enable			Track Functions		Product Pump	
	Coil	Cart.	Coil	Cart.	Coil	Cart.	Coil	Cart.		Coil	Cart.	Coil	Cart.
1993	609468	712817	609468	715193	609468	714421	609468	715193		609468	714421	027048	726652
1994	609468	712817	609468	715193	609468	714421	609468	715193		609468	714421	027048	726652
1995	**See Not	712817	609468	715193	609468	714421	609468	715193		609468	714421	027048	726652
1996	610014	712817	609468	715193	609468	714421	609468	715193		609468	714421	027048	726652

1997-2002 854 RoGator

	Shift		Boom Enable		Boom Functions		Boom Hoist		Boom Tilt		Track Functions		Product Pump	
	Coil	Cart.	Coil	Cart.	Coil	Cart.	Coil	Cart. SV3/SV12	Coil	Cart. Up/Down	Coil	Cart.	Coil	Cart.
1997	610014	712817	715440	715566	610014	715567	610014	715567	610014	718058/718059	610014	609463	610144	718187
1998	610014	712817	715440	715566	610014	715567	610014	715567	610014	718058/718059	610014	609463	610144	718187
1999	610014	712817	715440	715566	610014	715567	715440	721899	610014	718058/718059	610014	609463	610144	718187
2000	610014	712817	522977	715566	522976	715567	522977	721899	522976	718058/718059	610014	609463	610144	718187
2001	610014	712817	522977	715566	522976	715567	522977	721899	522976	718058/718059	610014	609463	610144	718187
2002	610014	712817	522977	715566	522976	715567	522977	721899/725602	522976	718058/718059	610014	609463	610144	718187
										SV7&8 SV9&10				
										Rear Front				

2003-2005 864/1064/1264 RoGator

	Shift		Boom Breakaway		Boom Functions		Boom Hoist		Boom Tilt		Track Functions		Product Pump	
	Coil	Cart.	Coil	Cart.	Coil	Cart.	Coil	Cart. SV3/SV11	Coil	Cart. Up/Down	Coil	Cart.	Coil	Cart. Lo/Hi Vol.
2003	121483	712817	121484	520476	121483	715567	121484	721899/725602	121483	724687/718059	121483	609463	060702	121465/121466
2004	121483	712817	121484	520476	121483	715567	121484	721899/725602	121483	724687/718059	121483	609463	060702	121465/121466
2005	121483	712817	121484	520476	121483	715567	121484	721899/725602	121483	724687/718059	121483	609463	060702	121465/121466
										SV7&8 SV9&10				
										Rear Front				

2000-2002 1254 RoGator

	Shift		Boom Enable		Boom Functions		Boom Hoist		Boom Tilt		Track Functions		Product Pump	
	Coil	Cart.	Coil	Cart.	Coil	Cart.	Coil	Cart. SV3/SV12	Coil	Cart. Up/Down	Coil	Cart.	Coil	Cart.
2000	610014	712817	522977	715566	522976	715567	522977	721899	522976	718058/718059	610014	609463	610144	718187
2001	522976	712817	522977	715566	522976	715567	522977	721899	522976	718058/718059	610014	609463	610144	718187
2002	522976	712817	522977	715566	522976	715567	522977	721899/725602	522976	718058/718059	610014	609463	610144	718187
										SV7&8 SV8&9				
										Rear Front				

609468	Single wire "small" coil.	714421	*Cartridge-solenoid valve. (red knob)
610014	Two wire "small" coil weather pack connector. (round pir	715567	Cartridge-solenoid valve. (boom function)
715440	Two wire "large" coil weather pack connector. (round pir	715566	Cartridge-solenoid valve.
522976	Two wire "small" coil metri-pack connector. (flat pins)	609463	Cartridge-solenoid valve.
522977	Two wire "large" coil metri-pack connector. (flat pins)	721899	Cartridge-solenoid valve.
027048	**Two wire constant duty coil (no connector)	726652	Cartridge-solenoid valve.
610144	Two wire constant duty coil weather pack connector.(rou	718187	Cartridge-solenoid valve.
121483	Two wire "small" coil female connector.	712817	Cartridge-solenoid valve.
121484	Two wire "large" coil female connector.	715193	Cartridge-solenoid valve. (black knob)
060702	Two wire "PWM" coil deutsch w2p connector.	718058	Cartridge-solenoid valve. (tilt up)
		718059	Cartridge-solenoid valve. (tilt down)
		724687	Cartridge-solenoid valve. (tilt up)
		121465	Cartridge Proportional-PWM Lo Vol
		121466	Cartridge Proportional-PWM Hi Vol
		121388	Cartridge-solenoid valve.
		520476	Cartridge-solenoid valve.

609468	Cartridge-solenoid valve. (red knob) SV08-20SM-0-N-00
610014	Cartridge-solenoid valve. (boom function) SV08-47DM-0-N-00
715440	Cartridge-solenoid valve. SV12-21K-0-N-00
522976	Cartridge-solenoid valve. SV08-47DM-0-N-00
522977	Cartridge-solenoid valve. SV10-47D-0-N-00
027048	Cartridge-solenoid valve. 7W20-1-12SV
610144	Cartridge-solenoid valve. 158G5899 QTE 02-0170-04
121483	Cartridge-solenoid valve. SV08-30-0-N-00
121484	Cartridge-solenoid valve. SV08-21KS-0-N-00
060702	Cartridge-solenoid valve. (tilt up) SV08-40M-0-N-00
	Cartridge-solenoid valve. (tilt down) SV08-20M-0-N-00
	Cartridge-solenoid valve. (tilt up) SV08-30M-0-N-00
	Cartridge Proportional-PWM Lo Vol EHPFD-16-N-15-0-00
	Cartridge Proportional-PWM Hi Vol EHPFD-16-N-20-0-00
	Cartridge-solenoid valve. SV08-40-01-N-100
	Cartridge-solenoid valve. SV10-21-0-N-00

Part	Description
AG609468	Single Wire Small Coil
AG610014	Coil Only, Two-Wire ***
AG715440	Two-Wire Large Coil Weatherpack Connector Round Pins
AG522976	Two-Wire Small Coil Metri-Pack Connector Flat Pins
AG522977	Two-Wire Large Coil Metri-Pack Connector Flat Pins
AG714421	Cartridge, Solenoid Valve Red Knob *
AG727147	Cartridge, Solenoid Valve Boom Function
AG715566	Cartridge, Solenoid Valve
700732320	Position Valve
AG721899	Cartridge, Solenoid Valve
AG718187	Cartridge, Solenoid Valve
AG712817	Cartridge, Solenoid Valve
AG715193	Cartridge, Solenoid Valve Black Knob
AG718058	Cartridge, Solenoid Valve Tilt Up
AG718059	Cartridge, Solenoid Valve Tilt Down
71442740	Coil/E, 12VDC, Deutch, with Diode, 08
71442741	Coil/E, 12VDC, Deutch, with Diode, 10
AG060702	Two-Wire PWM Coil Deutsch W2P Connector
AG121465	Cartridge, Proportional, PWM Low Volume
AG059914	Cartridge, Proportional, PWM High Volume
AG121388	Cartridge, Solenoid Valve

Network Components

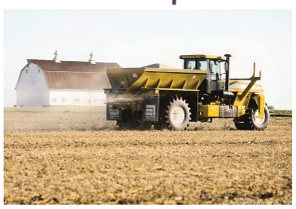


Nodes provide network connections, DC power, and ground between Falcon® controllers and system sensors, valves, and controls. Nodes are programmable for various system functions and are easily reprogrammed for different functions in the system by the Falcon® controller.

A terminator is placed on the output connector of the last Falcon® node in some system networks to balance network impedance and eliminate signal interference in network systems. Toggle section box processes signal information to make it compatible with the node network and the Falcon® controller. Brad Harrison cables provide power and network connections from bulkhead panel to node and from node to node. Available in five lengths.

Part	Description
AG519463	Falcon Control Node
AG521476	Toggle Section Control Box
AG232935	Terminator
AG519086	Brad Harrison Cable - 3'
AG519087	Brad Harrison Cable - 6'
AG519088	Brad Harrison Cable - 6'
AG519089	Brad Harrison Cable - 15'
AG519090	Brad Harrison Cable - 20'
AG717055	Brad Harrison Cable Joiner
AG227753	Granular Rate Sensor

Network Components Spinner Box



This listing contains parts such as rate sensors, control valves, and harnesses commonly used as network components with a spinner box system controlled by a Falcon® controller.

Part	Description
AG609001	Rate Sensor - 10' Cable
AG513800	Solenoid Valve
AG609250	Hydraulic Control Valve 30 GPM with 20' Cord
AG058756	Mark System Stepper Motor
AG610769	Mark 1V Interface Box
AG058758	Mark 1V Remote Driver Board

Soilection® 2Bin/4Bin Parts



Part	Description
AG516339	Yellow High-Rate Granular Wheels
ACW7616010	Motor Driver for Chemical Injection
AG721836	Granular Box Motor Driver Kit
AG713255	Flow Selector Cartridge
AG408593	Main Soilection Stub Harness
AG408818	Falcon Wet/Dry Stub Harness
AG420015	Radar Control Stub Harness
AG232896	Master Dump Enable Cable
ACW3737890	Application Rate Sensor
AG522174	Bin Empty/Full Sensor
AG519853	Block Assembly
AG609461	Proportional Flow Control NC Valve Cartridge

AirMax® Parts



Part	Description
AG724631	Granular Rate Sensor 1000/2000

Liquid System Parts



Part	Description
599159D1	Flowmeter 12-Volt, 2" High Res 1370 Cal
AG429073	Flowmeter 5-Volt, 3" 410 Cal
AG521017	Transducer, Pump Pressure
AG519712	Talon Flowmeter, Low Volume
AG609806	Hydraulic Servo 13 GPM
576101D1	Air Switch, Normally Closed, Screw In
AG520943	In-Line Air Switch, Normally Closed

Accessories



Part	Description
AG218231	Antenna Mounting Plate for 854 Cab Roof
AG058251	Vacuum Mount

Gator Roll Tarps

Roll tarps are a great addition to your machine. They allow the operator to open or close the tarp from the safety and comfort of the cab.

Features:

- 18-oz. tarp material
- Cab-mounted controls
- Stainless steel end caps, bows, and components
- 12" rise caps

Notes: *Tarp kits do not include switch kits or electric control box. These components must be ordered separately for new installations.*

Part	Description
AG523181	Roll Tarp Air Spread without Granular
AG523182	Roll Tarp Air Spread with Granular
AG523134	Roll Tarp AirMax 1000/2000
AG524283	Roll Tarp AirMax V
AG523314	Electric Control Box for Crenlo Cab
AG520949	Switch

Air Quick Coupler



Part	Description
AG513822	Air Quick Coupler, 1/4"
AG029492	Air Quick Coupler, 3/8"

Acid Parts

For use with acid machines.

Part	Description
ACX3340960	Tubing Airline .25 Poly (Qty. Per Foot)
ACX3340970	Tubing Airline .38 (Qty. Per Foot)

Air Couplings Kit

Save when you buy our air fitting kit. Contains 35 of the most commonly used fittings.

Part	Description
AG713903	Air Fitting Kit

Air Fittings

Part	Description
AG019893	Steel 1/8" M Pipe x 1/4" Tube 90° Elbow
AG601608	Nylon 1/8" M Pipe x 1/4" Tube 90° Elbow
AG606979	Nylon 1/4" x 1/4" Mender
AG601616	Nylon 1/4" M Pipe x 1/4" Tube 90° Elbow
AG602256	Nylon 1/4" M Pipe x 1/4" Tube Straight
AG601594	Nylon 1/4" 3-Way Tee Connector
AG602248	Nylon 1/8" M Pipe x 1/4" Tube Straight
AG602221	Nylon 1/4" FNPT x 1/4" Tube Straight
AG561627	1/4" Brass Sleeve
AG601586	1/4" Fitting Ferrules

Battery

Applications:

- 2004 and newer RoGator/TerraGator.
- 2003 and older RoGator and TerraGator.

Part	Description
79018975	Battery 2004 and Newer RoGators/TerraGators
79018974	Battery 2003 and Older RoGators/TerraGators

TerraGator Filter Kits



Protect your TerraGator by changing filters at the recommended intervals. Our 50- and 500-hour kits make it easy. Kits contain AGCO OEM filters to service an engine for 50 or 500 hours of operation.

Filters Included:

- Engine oil filters
- Engine air filters
- Fuel filters
- Hydraulic filters

Notes: *Filter kits do not include those filters used on transmissions and cabs or those unique to a machine's liquid or dry system. These filters should be ordered separately and replaced at recommended intervals.*

Year	Model	50-Hour Kit	500-Hour Kit
2011	8204	508949D1	508950D1
	9203		512514D1
2007-2010	6203/8203/8204/8244	508949D1	508950D1
2006-2010	9203/9205		512514D1
2005-2006	3104/6103/8103/ 8104/8144 9105		AG139051
2003-2004	3104/6103/8103/ 8104/8144		AG060676
	9103		AG724871
	9105		
2000-2002	3104/8103/8104/8144		AG719153
1986-1996	3208		AG716004

RoGator Filter Kits



Protect your RoGator by changing filters at the recommended intervals. Our 50- and 500-hour kits make it easy. Kits contain AGCO OEM filters to service an engine for 50 or 500 hours of operation.

Filters Included:

- Engine oil filters
- Engine air filters
- Fuel filters
- Hydraulic filters
- Engine Oil Analysis Kit (included in kits prior to 2003)

Notes: *Filter kits do not include those filters used on transmissions and cabs or those unique to a machine's liquid or dry system. These filters should be ordered separately and replaced at recommended intervals.*

Year	Model	50-Hour Kit	500-Hour Kit
2011	994/1194/H	548757D1	548758D1
	1396	548759D1	548760D1
2010	984/1184/H	519454D1	519455D1
	1386		512557D1
2009	884/1084/SS/SSC	519454D1	519455D1
	1286C		512557D1
2007-2008	1074C/SSC		512656D1
	1274C	AG121835	AG122811
	1286C		512557D1
2005-2006	874/1074		
	1064C/1074C	AG121835	
	1264C/1274C	AG121835	AG122811
2003-2005	864/1064	AG121835	
	1264	AG121835	AG122811
2002-2003	1054/1254	AG726021	
2001	1054/1254		
	Prior to SN 125059903	AG725094	
	1054/1254		
	Eff. SN 125059903	AG726021	
2000	1054/1254		
1999-2001	854		AG721765
1997-1998	554		AG717545
1997-1998	854		AG717546
1996	544		AG715994
1995	844/854		AG715996
1993	664		AG716210

TerraGator Filters

3244 Filters

Part	Description
CH6I-0274	Element Air Secondary
CH6I-0273	Element Air Primary
539363D1	Fuel/Water Separator
504594D1	Filter Oil
534045D1	Filter Element
AG718281	Filter Particle
AG616023	Filter Hydraulic Element
AG330202	Canister Desiccant
556654D1K	Filter Air Cab
556653D1	Filter Air Cab
AG133017	Filter Oil Bypass

JD6081H Filters 2002 and Older

Note: *( ) = Quantities needed.*

Part	Description
71367687	Fuel Filter (1)
AG716975	Water Separator Filter (1)
AG716976	Engine Oil Filter (1)
AG718569	Air Filter, Primary and Secondary
AG718570	Air Filter, Secondary
AG718573	Filter, Hydraulic Oil
AG610114	Filter, Transmission

JD6081H Tier II 2003-2004

Part	Description
AG726078	Fuel Filter
AG132319	Water Separator
AG716976	Engine Oil Filter (1)
AG718569	Air Filter, Primary and Secondary
AG718570	Air Filter, Secondary
AG718573	Filter, Hydraulic Oil
AG610114	Filter, Transmission

JD6081H Tier II 2005-2006

Refer to Parts Bulletin 000542 for Tier II fuel filters.
2006 8103/8104/8144/6103.

Part	Description
AG716976	Engine Oil Filter (1)
AG718573	Filter, Hydraulic Oil
509248D1	Fuel Filter, Secondary
509247D1	Fuel Filter, Primary
AG610114	Filter, Transmission
AG718569	Air Filter, Primary and Secondary
509247D1	Fuel Filter, Primary
509248D1	Fuel Filter, Secondary

1803/1844 JD6081H Filters

Note: *( ) = Quantities needed.*

Part	Description
71367687	Fuel Filter (1)
AG716975	Water Separator Filter (1)
AG716976	Engine Oil Filter (1)
AG610114	Filter, Transmission
AG700266	Hydraulic Oil Filter (Simonsen) (1)
1070229M1	Air Filter, Primary (1)
31-2772607	Air Filter, Secondary (1)

1803/1804/1844-6 CTA Filters

Note: *( ) = Quantities needed.*

Part	Description
AG710195	Coolant (Water) Filter (1)
1070229M1	Air Filter, Primary (1)
31-2772607	Air Filter, Secondary (1)
AG700266	Hydraulic Oil Filter (Simonsen) (1)
30-3436861	Engine Oil Filter (Short 8") (1)
72501533	Engine Oil Filter (Long 11-1/2") (1)
70277540	Fuel Filter, Secondary (1)
72501531	Fuel, Water Primary (1)
3789819M1	Fuel Filter In-Line (1)
AG711135	Automatic Transmission Filter (Internal)
AG725826	Automatic Transmission Filter (1) Aus. Transmission Spin On
AG709559	Filter, Air Gov. Automatic Transmission (1)
AG712106	Transmission Filter Kit (Torque Boost) (1)

1603T/1664T/1803/1844-Cat (Turbo) Filters

Note: *( ) = Quantities needed.*

Part	Description
1070229M1	Air Filter, Primary (1)
31-2772607	Air Filter, Secondary (1)
AG700266	Hydraulic Oil Filter (Simonsen) (1)
AG711135	Automatic Transmission Filter (Internal)
AG725826	Automatic Transmission Filter (1) Aus. Transmission Spin On
30-3498425	Engine Oil Filter (2)
30-3498387	Fuel Filter (1)
AG606509	Water Separator Filter (1)
AG709559	Filter, Air Gov. Automatic Transmission (1)
AG334160	Automatic Transmission Oil Filter (World) (1)
AG712106	Transmission Filter Kit (Torque Boost) (1)

1603-VT555 V-8 Filters

Note: *( ) = Quantities needed.*

Part	Description
1055916M2	Water Filter (1)
AG607071	Engine Oil Bypass, Spin On (1)
1055914M3	Filter Engine Oil, Spin On (1)
AG725826	Automatic Transmission Filter (1) Aus. Transmission Spin On

1603-555 V-8 Filters

Notes: *( ) = Quantities needed. * AG700266 is also the oil filter for Simonsen.*

Part	Description
1055916M2	Water Filter (1)
AG700266	Hydraulic Oil Filter (Simonsen) (1) *
1070229M1	Air Filter, Primary (1)
31-2772607	Air Filter, Secondary (1)
AG711135	Automatic Transmission Filter (Internal)
AG602728	O-ring Engine Oil Filter (1)
AG704136	Hydraulic Oil Filter (1)
AG725826	Automatic Transmission Filter (1) Aus. Transmission Spin On

1603-3208 V-8 Filters

Notes: *( ) = Quantities needed. * Serial numbers 90N38769 through 90N39454 and up. ** = For 1603-3208 V-8, you will need a quantity of two. AG700266 is also the hydraulic oil filter for Simonsen.*

Part	Description
AG700266	Hydraulic Oil Filter (Simonsen) (1)
1070229M1	Air Filter, Primary (1)
31-2772607	Air Filter, Secondary (1)
30-3119475	*Engine Oil Filter (2)
30-3498387	Fuel Filter ** (1)
AG704136	Hydraulic Oil Filter (1)
AG606509	Water Separator Filter (1)
30-3498409	*Engine Oil Filter ** (1)

1664-VT 555 Filters

Notes: *( ) = Quantities needed.*

Part	Description
1070229M1	Air Filter, Primary (1)
31-2772607	Air Filter, Secondary (1)
AG700266	Hydraulic Oil Filter (Simonsen) (1)
AG711135	Automatic Transmission Filter (Internal)
AG704136	Hydraulic Oil Filter (1)
1055916M2	Water Filter (1)
AG607071	Engine Oil Bypass, Spin On (1)
1055914M3	Filter Engine Oil, Spin On (1)

1903/2505-3176B Filters

Note: *( ) = Quantities needed.*

Part	Description
AG700282	Air Filter, Primary (1)
AG700274	Air Filter, Secondary (1)
AG700266	Hydraulic Oil Filter (Simonsen) (1)
AG715065	Engine Oil Filter (1)
AG607071	Engine Oil Bypass, Spin On (1)
AG715132	Fuel Filter Secondary (1)

6203/8203/8204/8244 C9 Tier III 2007-2010 Filters

Part	Description
504594D1	Filter, Engine Oil
539363D1	Filter, Fuel Primary
AG121852	Filter, Fuel Secondary
AG122230	Filter, Air Primary
AG122231	Filter, Air Secondary
AG718573	Filter, Hydraulic Oil
AG524540	Filter, In-Line Fuel
AG610114	Filter, Transmission

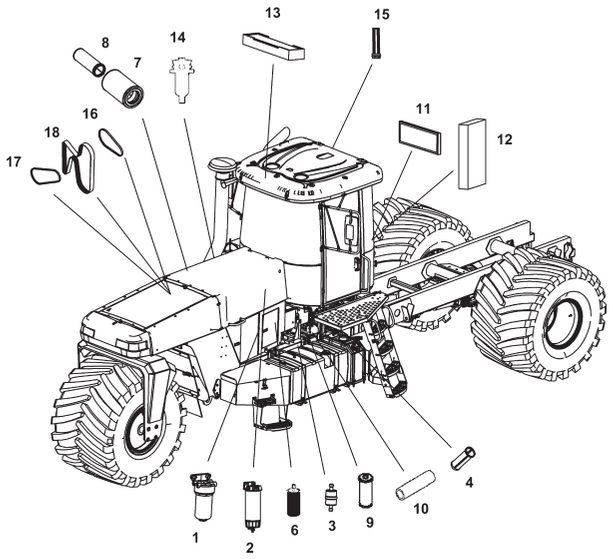


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6303/8303 SISU Engine Tier 3 2011

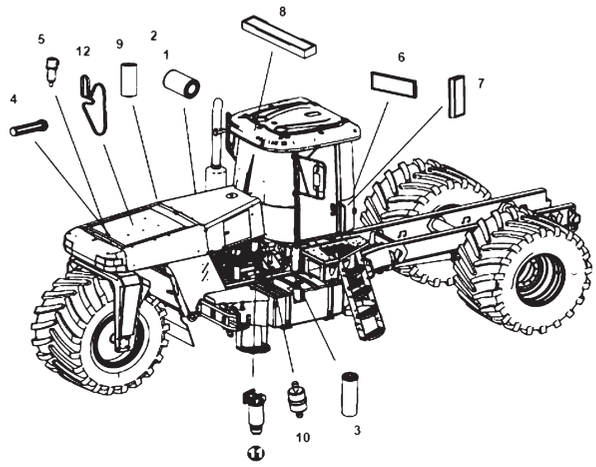
Part	Description
V837074523	Oil Filter
V836867830	Main Fuel Filter Assembly
V836867595	Main Fuel Filter Element
V837073630	Pre-Fuel Filter Assembly
V836867591	Pre-Fuel Filter Element
V836862051	Fuel/Water Separator
700722667	In-Line Fuel Filter
532430D1	Hydraulic Return Filter Element
AG122230	Primary Air Filter
AG122231	Secondary Air Filter
V836359603	Centrifugal Filter (Complete Assembly)
V836362228	Element Only for Centrifugal Filter
72649371	Transmission Suction Filter
72312070	Element Only for Suction Filter
72659254	Main Transmission Filter Element

2012-2014 TG7300/TG8300 Filters



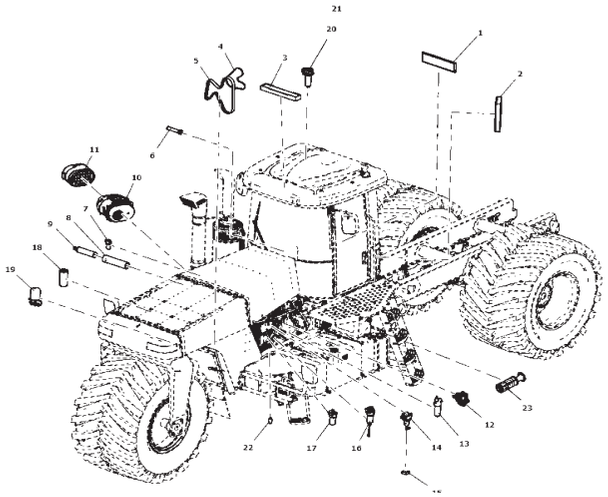
Ref	Part	Description
1-2	V837091436	Fuel Filter Kit
3	AG524540	Fuel Filter, In-Line
4	ACP0594170	Urea Filter
6	V837074523	Engine Oil Filter
7	AG122230	Air Filter, Primary
8	AG122231	Air Filter, Secondary
9	72311028	Transmission High-Pressure Filter
10	72312070	Detoxification Filter
11	556653D1	Cab Air Filter, Recirculating
12	556654D1K	Cab Air Filter, Dust
13	AG718281	Cab Air Filter, Particle
14	532430D1	Hydraulic Filter, Aux. Return
15	AG520617	Hydraulic Filter, Suction
16	V685040855	Coolant Pump Belt
17	6801631	A/C Compressor Belt
18	V685122255	Alternator Belt

2015-2018 TG7300B/TG8300B Filters



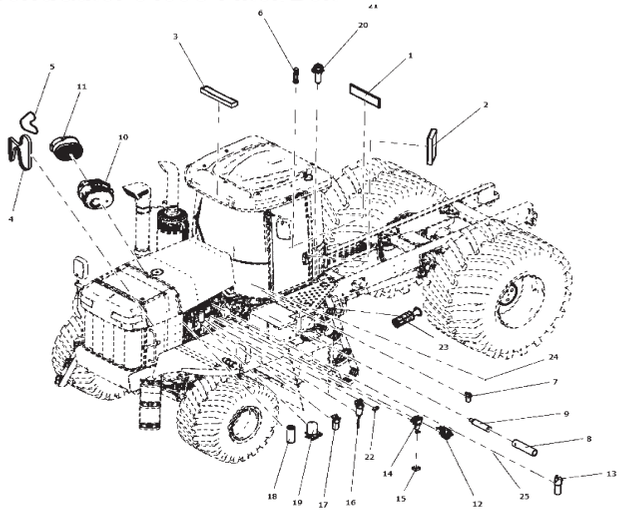
Ref	Part	Description
1	568310D1	Air Filter, Primary
2	568311D1	Air Filter, Secondary
3	72659254	Transmission High-Pressure Filter
3	72312070	Transmission Suction Filter
4	AG520617	Hydraulic Filter, Suction
5	532430D1	Hydraulic Filter, Return
6	556653D1	Cab Air Filter, Recirculating
7	556654D1K	Cab Air Filter, Dust
Not pictured	AG718281	Cab Air Filter, Particle
8	556654D1K	Cab Air Filter, Dust
9	V837074523	Engine Oil Filter
10	AG524540	Fuel Filter, In-Line
11	V837091436	Fuel Filter Kit
11	3905873M91	Fuel/Water Separator
12	567109D1	Belt, Air Compressor
12	V685122255	Fan Belt

TerraGator 7300C/8300C Filter/Belt



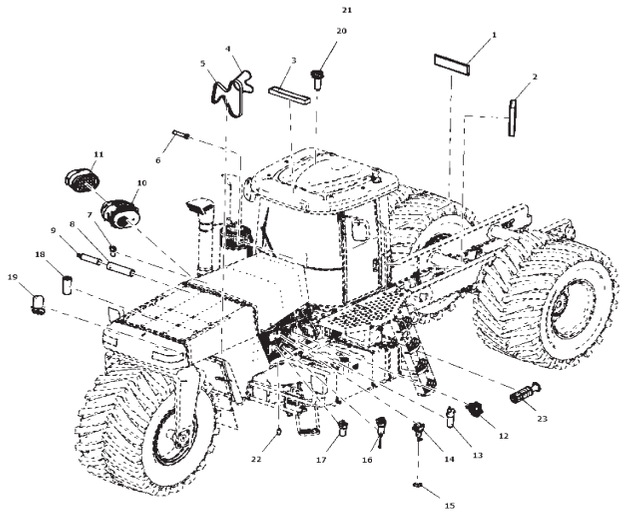
Ref	Part	Description
1	556653D1	Cab Filter
2	556654D1K	Carbon Filter Element
3	AG718281	Particle Air Filter Element
4	ACW4074860	Belt
5	V685122255	Multi-Ribbed Belt
6	580842D1	Suction Strainer
7	AG513640	In-Line Strainer
8	72649371	Suction Filter
9	72312070	Oil Filter Element
10	566067D1	Air Filter Assembly
11	568310D1	Primary Air Filter Element
	568311D1	Safety Air Filter Element
12	V837073734	CCV Filter
13	72662807	Lube Filter Assembly
	72659254	Lube Filter Element
14	556926D1	Fuel Filter Assembly
15	557871D1	Fuel Filter Element
16	V837086172	Fuel Prefilter
17	V837086099	Main Fuel Filter
	V837091436	Fuel Filter Kit
18	V837074523	Engine Oil Filter
19	AG330202	Air Dryer - Filter
20	ACW9211870	Hydraulic Filter Assembly
21	587603D1	Hydraulic Filter Element
22	AG524540	In-Line Strainer
23	V837079423	DEF Filter
24	72421732	Screen Filter
25	4347206M3	Fuel Filter Assembly

TerraGator 8400C Filter/Belt



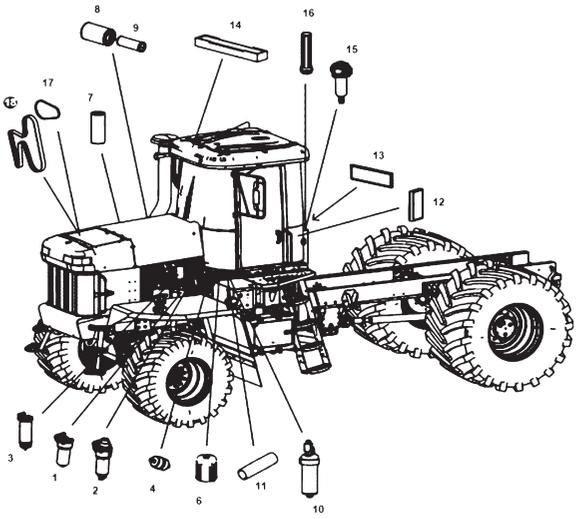
Ref	Part	Description
1	556653D1	Cab Filter
2	556654D1K	Carbon Filter Element
3	AG718281	Particle Air Filter Element
4	V685122255	Multi-Ribbed Belt
5	ACW4074860	Belt
6	580843D1	Suction Strainer
7	AG513640	In-Line Strainer
8	72649371	Suction Filter
9	72312070	Oil Filter Element
10	566067D1	Air Filter Assembly
11	568310D1	Primary Air Filter Element
	568311D1	Safety Air Filter Element
12	V837073734	CCV Filter
13	72662807	Lube Filter Assembly
	72659254	Lube Filter Element
14	556926D1	Fuel Filter Assembly
15	557871D1	Fuel Filter Element
16	V837086172	Fuel Prefilter
17	V837086099	Main Fuel Filter
	V837091436	Fuel Filter Kit
18	V837074523	Engine Oil Filter
19	AG330202	Air Dryer - Filter
20	ACW9211870	Hydraulic Filter Assembly
21	587603D1	Hydraulic Filter Element
22	AG524540	In-Line Strainer
23	V837079423	DEF Filter
24	72421732	Screen Filter
25	4347206M3	Fuel Filter Assembly

TerraGator 9300C Filter/Belt



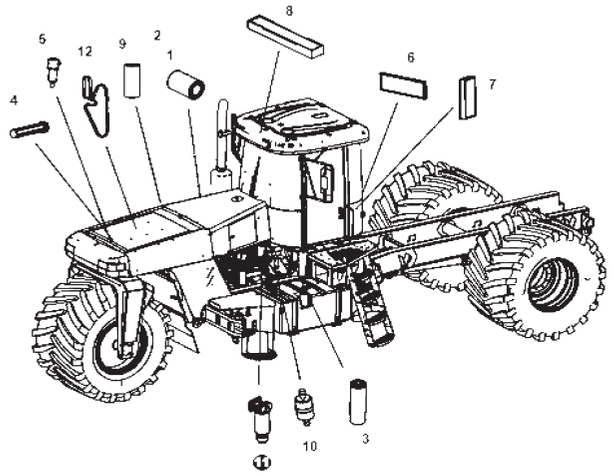
Ref	Part	Description
1	556653D1	Cab Filter
2	556654D1K	Carbon Filter Element
3	AG718281	Particle Air Filter Element
4	604687D1	Air Conditioner Compressor Belt
5	580911D1	Belt Fan
6	580843D1	Suction Strainer
7	AG513640	In-Line Strainer
8	72649371	Suction Filter
9	72312070	Oil Filter Element
10	566067D1	Air Filter Assembly
11	568310D1	Primary Air Filter Element
	568311D1	Safety Air Filter Element
12	V837073734	CCV Filter
13	72662807	Lube Filter Assembly
	72659254	Lube Filter Element
14	556926D1	Fuel Filter Assembly
15	557871D1	Fuel Filter Element
16	V837086172	Fuel Prefilter
17	V837091436	Fuel Filter Kit
	V837086099	Main Fuel Filter
18	V837074523	Engine Oil Filter
19	AG330202	Air Dryer - Filter
20	ACW9211870	Hydraulic Filter Assembly
21	587603D1	Hydraulic Filter Element
22	AG524540	In-Line Strainer
23	V837079423	DEF Filter
24	72421732	Screen Filter

2015-2018 TG8400B Filters



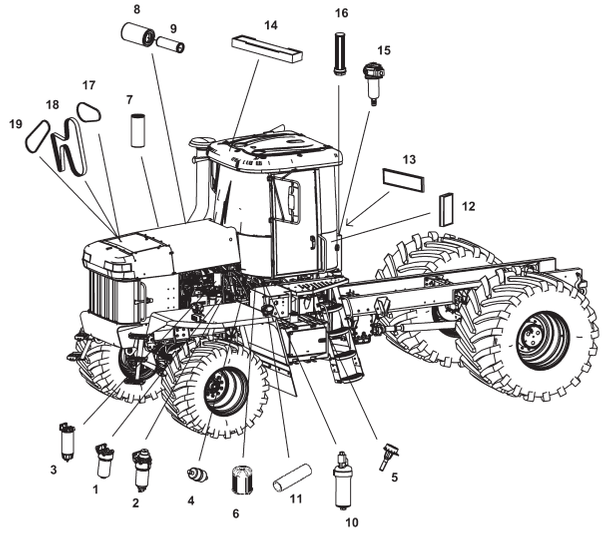
Ref	Part	Description
1-2	V837091436	Fuel Filter Kit
3	3905873M91	Fuel/Water Separator
4	AG524540	Fuel Filter, In-Line
Not pictured	ACP0594170	DEF Filter
6	AG330202	Air Dryer
7	V837074523	Engine Oil Filter
8	568310D1	Air Filter, Primary
9	568311D1	Air Filter, Secondary
10	72659254	Transmission High-Pressure Filter
11	72312070	Transmission Suction Filter
12	556654D1K	Cab Air Filter, Dust
13	556653D1	Cab Air Filter, Recirculating
14	AG718281	Cab Air Filter, Particle
15	532430D1	Hydraulic Filter, Return
16	AG520617	Hydraulic Filter, Suction
17	567109D1	Belt, Air Compressor
18	V685122255	Fan Belt

2015-2018 TG 9300B Filters



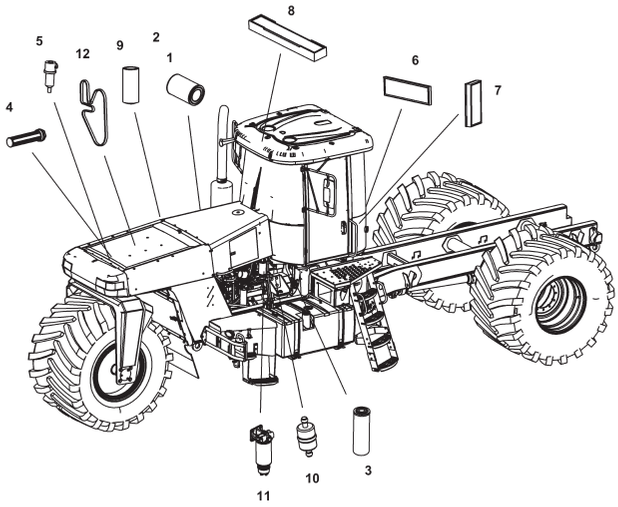
Ref	Part	Description
1	568310D1	Air Filter, Primary
2	568311D1	Air Filter, Secondary
3	72659254	Transmission Filter
3	72312070	Transmission Suction Filter
4	519938D1	Hydraulic Filter, Suction
5	532430D1	Hydraulic Filter, Return
6	556653D1	Cab Filter, Recirculation
7	AG718281	Cab Filter, Dust
8	556654D1K	Cab Filter, Particle
9	V837074523	Engine Oil Filter
9	ACP0594170	DEF Filter
9	AG330202	Air Dryer
10	AG524540	Fuel Filter, In-Line
11	3905873M91	Fuel Filter Element
11	V837091436	Fuel Filter Kit
12	567109D1	Belt, Air Compressor
12	604687D1	Belt, Water Pump
12	580911D1	Engine Belt

2012-2014 TG8400 Filters



Ref	Part	Description
1-2	V837091436	Fuel Filter Kit
3	V836867591	Fuel/Water Separator (Optional)
4	AG524540	Fuel Filter, In-Line
5	4289104M91	Urea Filter
6	V836362228	Rotor
7	V837074523	Engine Oil Filter
8	AG122230	Air Filter, Primary
9	AG122231	Air Filter, Secondary
10	72659254	Transmission High-Pressure Filter
11	72312070	Transmission Suction Filter
12	556654D1K	Cab Air Filter, Dust
13	556653D1	Cab Air Filter, Recirculating
14	AG718281	Cab Air Filter, Particle
15	532430D1	Hydraulic Filter, Return
16	AG520617	Hydraulic Filter, Suction
17	V685040855	Coolant Pump Belt
18	6801631	A/C Compressor Belt
19	V685122255	Alternator Belt

2012-2014 TG9300 Filters CAT C13



Ref	Part	Description
1	504421D1	Air Filter, Primary
2	504422D1	Air Filter, Secondary
3	534039D1	Transmission Filter
4	AG520617	Hydraulic Filter, Suction
5	AG718573	Hydraulic Filter, Return
6	556653D1	Cab Air Filter, Recirculating
7	556654D1K	Cab Air Filter, Dust
8	AG718281	Cab Air Filter, Particle
9	504594D1	Engine Oil Filter
10	AG524540	Fuel Filter, In-Line
11	539269D1	Fuel Filter, Water Separator
11	539270D1	Fuel Filter
12	517395D1	Engine Drive Belt

9203 C12 Engine Filters 2005

Part	Description
504594D1	Engine Oil Filter
AG715132	Fuel Filter, Secondary (1)
539269D1	Filter, Fuel/Water Separator
504421D1	Element, Primary
504422D1	Element, Secondary
AG133017	Filter, Oil Bypass
AG718573	Filter, Hydraulic Oil
534039D1	Transmission Filter

9203/9205 C13 2006-2010 Filters

Part	Description
504594D1	Engine Oil Filter
539363D1	Primary Fuel Filter
539270D1	Secondary Fuel Filter
504421D1	Element, Primary
504422D1	Element, Secondary
AG133017	Filter Oil Bypass
AG718573	Filter, Hydraulic Oil
534039D1	Transmission Filter

9103-Cat 3176 Filters

Notes: *( ) = Quantities needed.*
AG700266 is the steering hydraulic filter for the 9103.

Part	Description
AG700282	Air Filter, Primary (1)
AG700274	Air Filter, Secondary (1)
AG700266	Hydraulic Oil Filter (Simonsen) (1)
AG715132	Fuel Filter, Secondary (1)
504594D1	Engine Oil Filter
539269D1	Fuel/Water Separator Filter
AG607071	Engine Oil Bypass, Spin On (1)

9105 - Cat 3176C Filters

Note: *( ) = Quantities needed.*

Part	Description
AG700282	Air Filter, Primary (1)
AG700274	Air Filter, Secondary (1)
AG715132	Fuel Filter, Secondary (1)
539269D1	Fuel/Water Separator Filter
504594D1	Engine Oil Filter
AG718573	Filter, Hydraulic Oil
AG609327	Air Filter, Transmission

3104 Filters

Note: *( ) = Quantities needed.*

Part	Description
AG718569	Air Filter, Primary and Secondary
AG718570	Air Filter, Secondary
71367687	Fuel Filter (1)
AG716975	Water Separator Filter (1)
AG716976	Engine Oil Filter (1)
AG610114	Filter, Transmission
AG718573	Filter, Hydraulic Oil

6103 Filters 1998-2002

Note: *( ) = Quantities needed.*

Part	Description
AG716976	Engine Oil Filter (1)
AG718569	Air Filter, Primary and Secondary
AG718570	Air Filter, Secondary
AG718573	Filter, Hydraulic Oil
AG716975	Water Separator Filter (1)
AG610114	Filter, Transmission

1903-LTA10-A Filters

Notes: *( ) = Quantities needed. ** = For 1903-LTA10-A, you will need a quantity of two.*

Part	Description
AG700282	Air Filter, Primary (1)
AG700274	Air Filter, Secondary (1)
1076751M1	Coolant (Water) Filter (1)
72501533	Engine Oil Filter (Long 11-1/2") ** (1)
AG700266	Hydraulic Oil Filter (Simonsen) (1)
AG712106	Transmission Filter Kit (Torque Boost) (1)

2505-L10 Filters

Note: *( ) = Quantities needed. ** = For 1903-LTA10-A, you will need a quantity of two.*

Part	Description
AG700282	Air Filter, Primary (1)
AG700274	Air Filter, Secondary (1)
1076751M1	Coolant (Water) Filter (1)
72501533	Engine Oil Filter (Long 11-1/2") ** (1)
AG700266	Hydraulic Oil Filter (Simonsen) (1)

2505 VT903 V-8 Filters

Notes: *( ) = Quantities needed. Cartridge-type filter and O-ring through serial number 250199 only.*

Part	Description
1055916M2	Water Filter (1)
AG700266	Hydraulic Oil Filter (Simonsen) (1)
AG602728	O-ring Engine Oil Filter (1)
AG700274	Air Filter, Secondary (1)
AG700282	Air Filter, Primary (1)
1055914M3	Filter Engine Oil, Spin On (1)

1703-6 CTA Filters

Notes: *( ) = Quantities needed. ** = For 1703-6 CTA, you will need a quantity of two.*

Part	Description
1070229M1	Air Filter, Primary (1)
31-2772607	Air Filter, Secondary (1)
AG700266	Hydraulic Oil Filter (Simonsen) (1)
30-3436861	Engine Oil Filter (Short 8") (1)
72501533	Engine Oil Filter (Long 11-1/2") ** (1)
70277540	Fuel Filter, Secondary (1)
72501531	Fuel, Water Primary (1)
3789819M1	Fuel Filter, In-Line (1)
AG711135	Automatic Transmission Filter (Internal)
AG725826	Automatic Transmission Filter (1) Aus. Transmission Spin On
AG709559	Filter, Air Gov. Automatic Transmission (1)

004-6 CTA Filters

Notes: *( ) = Quantities needed. ** = For 004-6 CTA, you will need a quantity of two.*

Part	Description
30-3436861	Engine Oil Filter (Short 8") (1)
72501533	Engine Oil Filter (Long 11-1/2") ** (1)
70277540	Fuel Filter, Secondary (1)
72501531	Fuel, Water Primary (1)
3789819M1	Fuel Filter, In-Line (1)
AG710195	Coolant (Water) Filter (1)
1070229M1	Air Filter, Primary (1)
31-2772607	Air Filter, Secondary (1)

1004-504 V-8 Filters

Note: *( ) = Quantities needed.*

Part	Description
1055916M2	Water Filter (1)
AG700266	Hydraulic Oil Filter (Simonsen) (1)
1070229M1	Air Filter, Primary (1)
31-2772607	Air Filter, Secondary (1)
1055914M3	Filter Engine Oil, Spin On (1)

1004-378 V-6 Filters

Note: *( ) = Quantities needed.*

Part	Description
20-7002172	Air Filter (S/N 1002267 and Up) (1)
1055916M2	Water Filter (1)
AG700266	Hydraulic Oil Filter (Simonsen) (1)

1253-3208 V-8 Filters

Notes: *( ) = Quantities needed. * Serial numbers 90N38769 and up. ** = For 1253-3208 V-8, you may need a quantity of two.*

Part	Description
AG609375	Air Filter (Through S/N 1256667) (1)
1070229M1	Air Filter, Primary (1)
31-2772607	Air Filter, Secondary (1)
30-3119475	*Engine Oil Filter (2)
30-3498387	Fuel Filter ** (1)
AG704136	Hydraulic Oil Filter (1)
AG700266	Hydraulic Oil Filter (Simonsen) (1)
30-3498409	*Engine Oil Filter** (1)

1253-555 V-8 Filters

Notes: *( ) = Quantities needed. Cartridge-type filter and O-ring through serial number 250199 only. AG700266 filter is also hydraulic oil filter for Simonsen (1).*

Part	Description
1055916M2	Water Filter (1)
AG700266	Hydraulic Oil Filter (Simonsen) (1)
AG609375	Air Filter (Through S/N 1256667) (1)
1070229M1	Air Filter, Primary (1)
31-2772607	Air Filter, Secondary (1)
AG711135	Automatic Transmission Filter (Internal)
AG602728	O-ring Engine Oil Filter (1)
AG704136	Hydraulic Oil Filter (1)

1254 3208 V-8 Filters

Note: *( ) = Quantities needed.*

Part	Description
30-3498409	Engine Oil Filter (1)
30-3498387	Fuel Filter (1)
AG704136	Hydraulic Oil Filter (1)

1554 Int. Filters

Notes: *** Serial numbers 90N38769 through 90N39454. For 1554 Int. you will need a quantity of two.*

Part	Description
AG700266	Hydraulic Oil Filter (Simonsen) (1)
AG704136	Hydraulic Oil Filter (1)
AG705085	Air Filter, Secondary (1)
1055914M3	Filter, Engine Oil, Spin On (1)
30-3498409	Engine Oil Filter ** (1)

1554-3208 Ford Filters

Notes: *( ) = Quantities needed. ** = When used for 1554-3208 Ford, you will need a quantity of two.*

Part	Description
30-3498409	Engine Oil Filter ** (1)
30-3498387	Fuel Filter ** (1)
AG606509	Water Separator Filter (1)
AG711135	Automatic Transmission Filter (Internal)

1604-3208 V-8 Filters

Notes: *( ) = Quantities needed. * Serial numbers 90N38769 through 90N39454. ** = For 1604-3208 V-8, a quantity of two is necessary.*

Part	Description
AG700266	Hydraulic Oil Filter (Simonsen) (1)
AG711135	Automatic Transmission Filter (Internal)
30-3119475	*Engine Oil Filter (2)
30-3498387	Fuel Filter ** (1)
AG704136	Hydraulic Oil Filter (1)
AG705085	Air Filter, Secondary (1) (While Supplies Last)
30-3498409	*Engine Oil Filter ** (1)
AG725826	Automatic Transmission Filter (1) Aus. Transmission Spin On

2004-6 BTA-5.9 Filters

Note: *( ) = Quantities needed.*

Part	Description
72501532	Engine Oil Filter (1)
72501531	Fuel, Water Primary (1)
70277540	Fuel Filter, Secondary (1)
1070229M1	Air Filter, Primary (1)
31-2772607	Air Filter, Secondary (1)
AG700266	Hydraulic Oil Filter (Simonsen) (1)
AG725826	Automatic Transmission Filter (1) Aus. Transmission Spin On
AG711135	Automatic Transmission Filter (Internal)

2004-504 V-8 Filters

Notes: *( ) = Quantities needed. For 2004-504 V-8, you will need a quantity of two.*

Part	Description
1055916M2	Water Filter (1)
AG700266	Hydraulic Oil Filter (Simonsen) (1)
1055914M3	Filter, Engine Oil, Spin On (1)

2004-378 V-6 Filters

Notes: *( ) = Quantities needed.*

Part	Description
20-7002172	Air Filter (S/N 1002267 and up) (1)
1055916M2	Water Filter (1)
AG700266	Hydraulic Oil Filter (Simonsen) (1)

3004-903 V-8 Filters

Note: *( ) = Quantities needed.*

Part	Description
1055916M2	Water Filter (1)
AG700266	Hydraulic Oil Filter (Simonsen) (1)
1070229M1	Air Filter, Primary (1)
31-2772607	Air Filter, Secondary (1)
AG711135	Automatic Transmission Filter (Internal)
1055914M3	Filter, Engine Oil, Spin On (1)

3004-555 V-8 Filters

Note: *( ) = Quantities needed.*

Part	Description
1055916M2	Water Filter (1)
AG700266	Hydraulic Oil Filter (Simonsen) (1)
1070229M1	Air Filter, Primary (1)
31-2772607	Air Filter, Secondary (1)
1055914M3	Filter, Engine Oil, Spin On (1)

A-2800-6 CTA-8.3

Notes: *( ) = Quantities needed. Serial numbers 63019 through 63109 use coolant filter 1076751M1; starting with serial number 63119, use coolant filter AG710195.*

Part	Description
30-3436861	Engine Oil Filter (Short 8") (1)
72501533	Engine Oil Filter (Long 11-1/2") (1)
72501531	Fuel, Water Primary (1)
70277540	Fuel Filter, Secondary (1)
1070229M1	Air Filter, Primary (1)
31-2772607	Air Filter, Secondary (1)
3789819M1	Fuel Filter, In-Line (1)
1076751M1	Coolant (Water) Filter (1)
AG710195	Coolant (Water) Filter (1)
AG725826	Automatic Transmission Filter (1) Aus. Transmission Spin On
AG711135	Automatic Transmission Filter (Internal)

2700 VT555 V-8 Big A Filters

Notes: *( ) = Quantities needed. A-2700 with serial number 61514 and up require two-stage filters 31-2772607, 1070229M1, and AG704136. * AG700266 is a power steering filter.*

Part	Description
1055916M2	Water Filter (1)
30-3436861	Engine Oil Filter (Short 8") (1)
AG602728	O-ring Engine Oil Filter (1)
AG607071	Engine Oil Bypass, Spin On (1)
AG700266	Hydraulic Oil Filter (Simonsen) (1) *
AG711135	Automatic Transmission Filter (Internal)
31-2772607	Air Filter, Secondary (1)
1070229M1	Air Filter, Primary (1)
AG704136	Hydraulic Oil Filter (1)

2700-8.2 Detroit V-8

Note: *( ) = Quantities needed.*

Part	Description
AG711135	Automatic Transmission Filter (Internal)
AG704136	Hydraulic Oil Filter (1)

A-2600 VT555 V-8 Big A Filters

Note: *( ) = Quantities needed.*

Part	Description
AG711135	Automatic Transmission Filter (Internal)
AG607071	Engine Oil Bypass, Spin On (1)
30-3436861	Engine Oil Filter (Short 8") (1)
1055916M2	Water Filter (1)
AG704136	Hydraulic Oil Filter (1)

A-2600 555 V-8 Big A Filters

Notes: *( ) = Quantities needed. * AG700266 is a power steering filter.*

Part	Description
AG711135	Automatic Transmission Filter (Internal)
AG607071	Engine Oil Bypass, Spin On (1)
1055916M2	Water Filter (1)
AG700266	Hydraulic Oil Filter (Simonsen) (1) *
AG704136	Hydraulic Oil Filter (1)

A-2600 8.2 Det. V-8 Big A Filters

Note: *( ) = Quantities needed. * AG700266 filter is a power steering filter.*

Part	Description
AG711135	Automatic Transmission Filter (Internal)
AG700266	Hydraulic Oil Filter (Simonsen) (1) *
AG704136	Hydraulic Oil Filter (1)

A-2500 555 V-8

Note: *( ) = Quantities needed. * AG700266 is a power steering filter.*

Part	Description
AG711135	Automatic Transmission Filter (Internal)
1055916M2	Water Filter (1)
AG700266	Hydraulic Oil Filter (Simonsen) (1) *

A-2500-504 V-8

Notes: *( ) = Quantities needed. * AG700266 is a power steering filter.*

Part	Description
1055916M2	Water Filter (1)
AG700266	Hydraulic Oil Filter (Simonsen) (1) *

A-3000 6V53T

Notes: *( ) = Quantities needed. * AG700266 is a power steering filter.*

Part	Description
AG700266	Hydraulic Oil Filter (Simonsen) (1) *
AG704136	Hydraulic Oil Filter (1)

A-3500 555 V-8

Note: *( ) = Quantities needed.*

Part	Description
AG711135	Automatic Transmission Filter (Internal)
30-3436861	Engine Oil Filter (Short 8") (1)
1055916M2	Water Filter (1)
AG704136	Hydraulic Oil Filter (1)

A-3500 VT-555 V-8

Note: *( ) = Quantities needed.*

Part	Description
AG711135	Automatic Transmission Filter (Internal)
30-3436861	Engine Oil Filter (Short 8") (1)
1055916M2	Water Filter (1)
AG700266	Hydraulic Oil Filter (Simonsen) (1)
AG704136	Hydraulic Oil Filter (1)

A-4500 VT555 V-8

Notes: *( ) = Quantities needed. * AG700266 is a power steering filter.*

Part	Description
AG711135	Automatic Transmission Filter (Internal)
1055916M2	Water Filter (1)
AG700266	Hydraulic Oil Filter (Simonsen) (1) *
AG704136	Hydraulic Oil Filter (1)

A-4500 VT903 V-8

Notes: *( ) = Quantities needed. * AG700266 is a power steering filter.*

Part	Description
AG725826	Automatic Transmission Filter (1) Aus. Transmission Spin On
1055914M3	Filter Engine Oil, Spin On (1)
AG700266	Hydraulic Oil Filter (Simonsen) (1) *
AG704136	Hydraulic Oil Filter (1)

RoGator Filters

RoGator 544 Filters

Note: *( ) = Quantities needed.*

Part	Description
72501532	Engine Oil Filter (1)
70277540	Fuel Filter, Secondary (1)
72271398	Engine Air Filter, Primary (1)
70257029	Engine Air Filter, Secondary (1)
AG700266	Hydraulic Oil Filter (Simonsen) (1)
AG609934	Hydraulic Filter Return (1)
509278D1	Hydraulic Filter Charge Pump (1)
72501531	Fuel/Water Primary (1)

RoGator 554 Filters

Notes: *( ) = Quantities needed. * AG700266 filter—case drain filter.*

Part	Description
70277540	Fuel Filter, Secondary (1)
72501531	Fuel/Water, Primary (1)
3789819M1	Fuel Filter, In-Line (1)
72501532	Engine Oil Filter (1)
AG609934	Hydraulic Filter Return (1)
AG700266	Hydraulic Oil Filter (Simonsen) (1) *
509278D1	Hydraulic Filter Charge Pump (1)
AG610138	Air Filter, Primary (1)
AG610139	Air Filter, Secondary (1)

RoGator 663 and 664 Filters

Notes: *( ) = Quantities needed. * = 1993 RoGator 664, uses two AG700266 filters and 1994 models use one AG700266 filter and one AG609666 filter.*

Part	Description
AG609375	Air Filter, Primary (1)
AG609374	Air Filter, Secondary (1)
AG609431	Hydraulic Oil Filter Suction (1)
AG710202	Hydraulic Oil Filter Return (1)
72501532	Engine Oil Filter (1)
70277540	Fuel Filter, Secondary (1)
72501531	Fuel, Water, Primary (1)
3789819M1	Fuel Filter, In-Line (1)
AG609666	Hydraulic Oil Filter *
AG700266	Hydraulic Oil Filter (Simonsen) (1)

RoGator 844 and 854 Filters (1995-1996 Models)

Notes: *( ) = Quantities needed. * 1996 854 uses ACP0347170.*

Part	Description
72501532	Engine Oil Filter (1)
70277540	Fuel Filter, Secondary (1)
72501531	Fuel, Water Primary (1)
3789819M1	Fuel Filter, In-Line (1)
AG609375	Air Filter, Primary (1)
AG609374	Air Filter, Secondary (1)
509278D1	Hydraulic Filter Charge Pump (1) *
AG710202	Hydraulic Oil Filter Return (1)
AG609666	Hydraulic Oil Filter *
AG700266	Hydraulic Oil Filter (Simonsen) (1)
ACP0347170	Filter, Hydraulic Return (2 Used), Case Drain (1 Used)

RoGator 854 Filters (1997-1998 Models)

Note: *( ) = Quantities needed.*

Part	Description
70277540	Fuel Filter, Secondary (1)
72501531	Fuel, Water, Primary (1)
3789819M1	Fuel Filter, In-Line (1)
72501532	Engine Oil Filter (1)
AG609934	Hydraulic Filter Return (1)
ACP0347170	Filter, Hydraulic Return (2 Used), Case Drain (1 Used)
509278D1	Hydraulic Filter Charge Pump (1)
AG609375	Air Filter, Primary (1)
AG609374	Air Filter, Secondary (1)

RoGator 854 Filters (1999-2002 Models)

Note: *( ) = Quantities needed.*

Part	Description
72501532	Engine Oil Filter (1)
70277540	Fuel Filter, Secondary (1)
72501531	Fuel, Water, Primary (1)
3789819M1	Fuel Filter, In-Line (1)
AG610418	Engine Air Filter, Primary (1)
AG610419	Engine Air Filter, Secondary (1)
509278D1	Hydraulic Filter Charge Pump (1)
AG609934	Hydraulic Filter Return (1)
ACP0347170	Filter, Hydraulic Return (2 Used), Case Drain (1 Used)

RoGator 2000-2001 1254 Filters

Notes: *( ) = Quantities needed. * This filter used on 2000 models only. ** This filter used on 2001-2002 models only + serial number 1250902 and up.*

Part	Description
71400403	Fuel Filter
3789819M1	Fuel Filter, In-Line (1)
AG524540	Filter, In-Line Fuel
AG722986	Sensor on Fuel Filter
509249D1	Engine Oil Filter
AG718569	Air Filter, Primary and Secondary
AG718570	Air Filter, Secondary
509278D1	Hydraulic Filter Charge Pump (1) *
AG129868	Hydraulic Filter Charge Pump **
AG610748	O-rings only for Charge Filter **
AG609934	Hydraulic Filter Return (1)
ACP0347170	Filter, Hydraulic Return (2 Used), Case Drain (1 Used)
AG725896	Hydraulic Charge Filter Kit (Filter with O-rings)

2002 1254 RoGator Filters

Applications: 2002 1254 RoGator filters.

Notes: *( ) = Quantities needed. * Machines with serial number 125059902 and below use filter number 3789819M1, which has 3/8" ports. Machines with a serial number above 125059902 use filter number AG524540, which has 1/2" ports.*

Part	Description
AG524540	Filter, In-Line Fuel
3789819M1	Fuel Filter, In-Line (1)
71400403	Fuel Filter
509249D1	Engine Oil Filter
AG609934	Hydraulic Filter Return (1)
AG718569	Air Filter, Primary and Secondary
AG718570	Air Filter, Secondary
ACP0347170	Filter, Hydraulic Return (2 Used), Case Drain (1 Used)
AG129868	Hydraulic Filter Charge Pump *
AG725896	Hydraulic Charge Filter Kit (Filter with O-rings)
AG610748	O-rings Only for Charge Filter *

2003-05 8/1064 Filters

Applications: 2003-05 8/1064 filters. ACP0347170

Note: *** three required.*

Part	Description
AG122230	Filter, Air Primary
AG122231	Filter, Air Secondary
AG121853	Filter, Engine Oil
AG121852	Filter, Fuel Primary
539269D1	Fuel Filter Water Separator
AG129868	Hydraulic Filter Charge Pump **
ACP0347170	Filter, Hydraulic Return (2 Used), Case Drain (1 Used)
AG517937	Recirculating Filter, RoGator 854, 864, 1064
AG121778	Filter, Hydraulic Tank Breather

2005-06 874/1074 Filters

Applications: 2005-2006 874/1074 RoGator filters.

Part	Description
AG122230	Filter, Air Primary
AG122231	Filter, Air Secondary
AG121853	Filter, Engine Oil
539269D1	Fuel Filter Water Separator
AG133231	Filter, Hydraulic Charge/Hydrostat
ACP0347170	Filter, Hydraulic Return (2 Used), Case Drain (1 Used)
AG517937	Recirculating Filter, RoGator 854, 864, 1064
AG121778	Filter, Hydraulic Tank Breather

2006 1074C Filters

Application: 2006 1074C RoGator.

Part	Description
AG122230	Filter, Air Primary
AG122231	Filter, Air Secondary
AG121853	Filter, Engine Oil
539269D1	Filter, Fuel/Water Separator
AG121778	Filter, Hydraulic Tank Breather
AG129868	Hydraulic Filter Charge Pump
ACP0347170	Filter, Hydraulic Return (2 Used), Case Drain (1 Used)
AG121835	Filter Kit, 50 Hour

2003-2007 1264/1274C Filters

Applications:

- 2003-2005 1265 RoGator.
- 2005-2007 1274C RoGator.

Note: *ACP0347170, three required*

Part	Description
AG122230	Filter, Air Primary
AG122231	Filter, Air Secondary
504594D1	Oil Filter, Engine
AG121852	Filter, Fuel Primary
ACP0347170	Fuel Filter Water Separator
AG129868	Hydraulic Filter Charge Pump *
ACP0347170	Filter, Hydraulic Return (2 Used), Case Drain (1 Used)
AG718281	Filter, Cab Particle (Front Cab Roof)
556653D1	Filter, Cab Recirculation, Carbon (Behind Seat)
556654D1K	Filter, Cab Carbon (Cab Corner)
AG121778	Filter, Hydraulic Tank Breather

2003-05 864/1064 RoGator 3126B Cat

Part	Description
AG122230	Filter, Air Primary
AG122231	Filter, Air Secondary
AG121853	Filter, Engine Oil
AG121852	Filter, Fuel Primary
539269D1	Fuel Filter Water Separator
AG129868	Hydraulic Filter Charge Pump
ACP0347170	Filter, Hydraulic Return (2 Used), Case Drain (1 Used)
AG517804	Filter, for RoGator 854
AG517937	Recirculating Filter, RoGator 854, 864, 1064
AG121891	Belt, Serpentine, Engine

2007 874SS/1074SS RoGator Filters

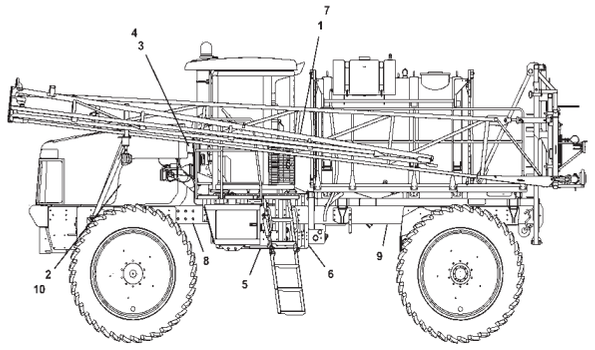
Part	Description
AG121853	Filter, Engine Oil
AG121852	Filter, Fuel Primary
539269D1	Fuel Filter Water Separator
AG524540	Filter, In-Line Fuel
AG122230	Filter, Air Primary
AG122231	Filter, Air Secondary
AG121778	Filter, Hydraulic Tank Breather
AG133231	Filter, Hydraulic Charge/Hydrostat
ACP0347170	Filter, Hydraulic Return (2 Used), Case Drain (1 Used)
512558D1	Medium-Pressure Hydraulic Filter Element - 2008 and Up

2003-05 1264/1274 Filters C9 Cat

Note: *ACP0347170 three required.*

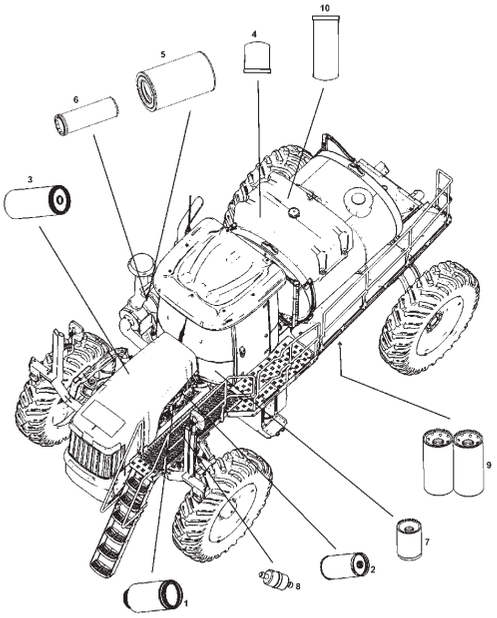
Part	Description
AG122230	Filter, Air Primary
AG122231	Filter, Air Secondary
504594D1	Oil Filter, Engine
AG121852	Filter, Fuel Primary
539269D1	Fuel Filter Water Separator
AG129868	Hydraulic Filter Charge Pump
ACP0347170	Filter, Hydraulic Return (2 Used), Case Drain (1 Used)*
AG718281	Filter, Cab Particle (Front Cab Roof)
556653D1	Filter, Cab Recirculation, Carbon (Behind Seat)
556654D1K	Filter, Cab Carbon (Cab Corner)
AG121778	Filter, Hydraulic Tank Breather

2007-2009 RoGator 1286C Filters



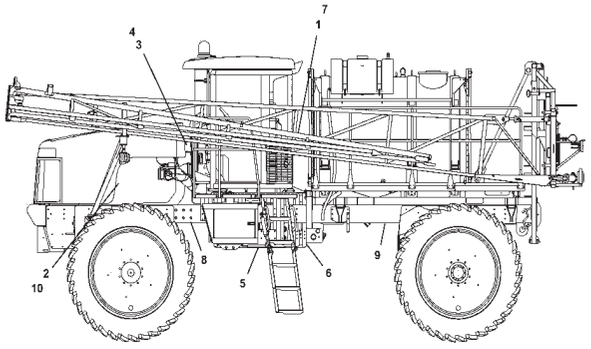
Ref	Part	Description
1	AG121778	Hydraulic Breather Filter (on Hydraulic Tank)
2	AG121852	Fuel Filter, Primary
3	AG122230	Primary Engine Air Filter
4	AG122231	Secondary Engine Air Filter
5	AG133231	Hydrostatic Charge Filter (2 Used) (on Transmission)
6	AG524540	Fuel Filter, In-Line
7	ACP0347170	Hydraulic Return Filter (2 Used) (Mounted Side-by-Side on Manifold)
8	504594D1	Engine Oil Filter (High Efficiency)
9	512558D1	Hydraulic Case Drain Filter (1,000 PSI) (Next to Hydraulic Tank)
10	539363D1	Fuel Filter FWS (Fuel/Water Separator)
	AG718281	Cab Filter Particle (Front Cab Roof)
	556653D1	Cab Filter (Carbon) Recirculation (Operator's Seat)
	556654D1K	Cab Filter (Carbon) Secondary (Cab Corner)
	512557D1	Filter Kit, 500 Hour

2009 RoGator 884/1084/SS/SSC and 2010 RoGator 984/1184/H Filters



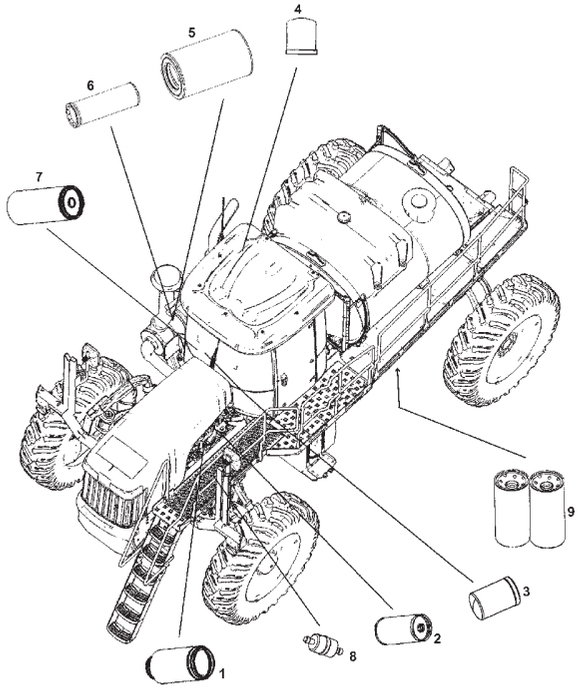
Ref	Part	Description
1	539362D1	Filter, Fuel
2	AG121852	Filter, Fuel Primary
	539362D1	Filter, Fuel/Water Separator
3	AG121853	Filter, Engine Oil
4	AG121778	Hydraulic Breather Filter
5	AG122230	Filter, Air Primary
6	AG122231	Filter, Air Secondary
7	528755D1	Filter, Hydraulic Charge (2 Used)
8	AG524540	Filter, Fuel In-Line
9	ACP0347170	Filter, Hydraulic Return
10	512558D1	Filter, Case Drain
	519454D1	Filter Kit, 50 Hour
	519455D1	Filter Kit, 500 Hour

2010 RoGator 1386 Filters



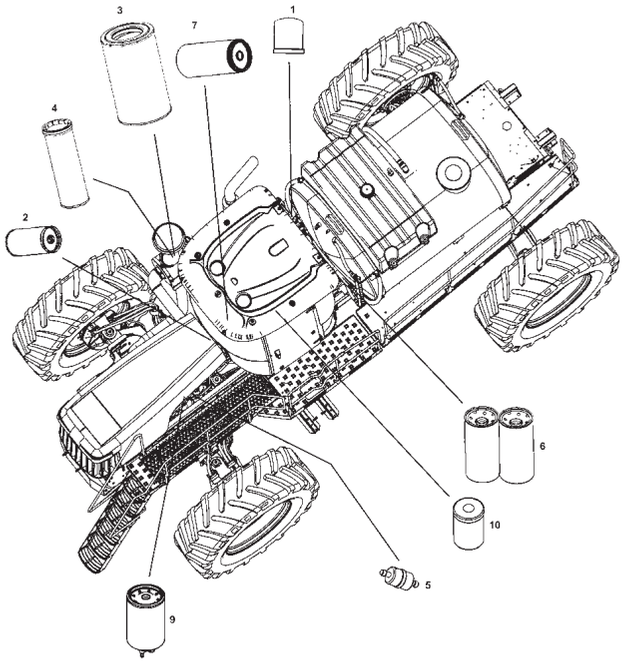
Ref	Part	Description
1	AG121778	Hydraulic Breather Filter (on Hydraulic Tank)
2	AG121852	Fuel Filter, Primary
3	AG122230	Primary Engine Air Filter
4	AG122231	Secondary Engine Air Filter
5	AG133231	Hydrostatic Charge Filter (2 Used) (on Transmission)
6	AG524540	Fuel Filter, In-Line
7	ACP0347170	Hydraulic Return Filter (2 Used) (Mounted Side-by-Side on Manifold)
8	504594D1	Engine Oil Filter (High Efficiency)
9	512558D1	Hydraulic Case Drain Filter (1,000 PSI) (Next to Hydraulic Tank)
10	539363D1	Fuel Filter FWS (Fuel/Water Separator)
	AG718281	Cab Filter Particle (Front Cab Roof)
	556653D1	Cab Filter (Carbon) Recirculation (Operator's Seat)
	556654D1K	Cab Filter (Carbon) Secondary (Cab Corner)
	512557D1	Filter Kit, 500 Hour

2011 RoGator 994/1194/H Filters



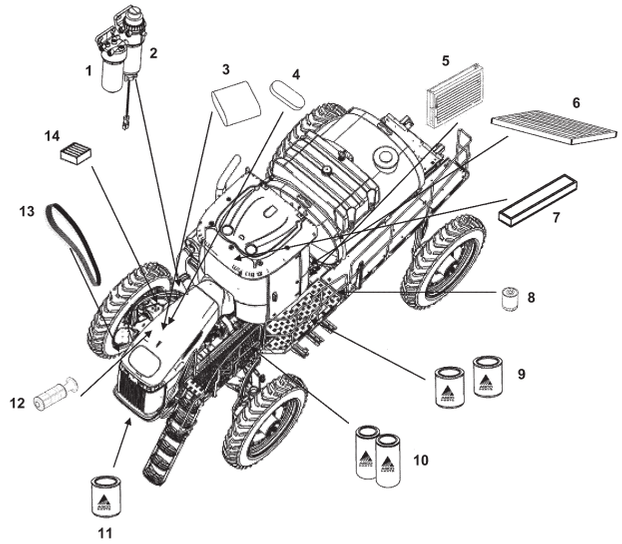
Ref	Part	Description
1	539362D1	Filter, Fuel
2	AG121852	Filter, Fuel Primary
3	AG121853	Filter, Engine Oil
4	AG121778	Filter, Hydraulic Tank Breather
5	AG122230	Filter, Primary Air 15"
6	AG122231	Filter, Safety Air 15"
7	532370D1	Filter, Oil, Sauer Pump (2 Per)
8	AG524540	Strainer, In-Line 0.50 100 Mesh
9	ACP0347170	Filter, Hydraulic Oil (2 Per)
	548757D1	Filter Kit, 50 Hour
	548758D1	Filter Kit, 500 Hour

2011 RoGator 1396 Filters



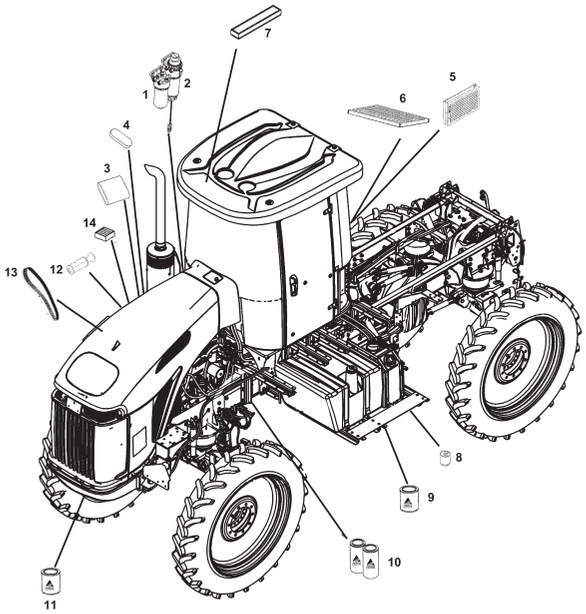
Ref	Part	Description
1	AG121778	Filter, Hydraulic Tank Breather
2	AG121852	Filter, Fuel Primary
3	AG122230	Filter, Primary Air 15"
4	AG122231	Filter, Safety Air 15"
5	AG524540	Strainer, In-Line 0.50 100 Mesh
6	ACP0347170	Filter, Hydraulic Oil (2 Per)
7	504594D1	Filter, Engine Oil
9	539363D1	Filter, Fuel
10	544340D1	Filter, Charge (2 Per)
	548759D1	Filter Kit, 50 Hour
	548760D1	Filter Kit, 500 Hour

2012-2014 RG 900/1100/1300 Filters



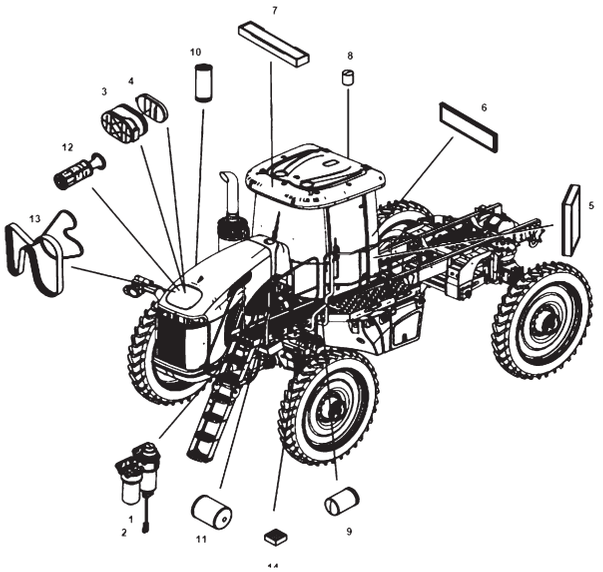
Ref	Part	Description
1-2	V837091436	Fuel Filter Kit
3	72608872	Air Filter, Primary
4	72437627	Air Filter, Secondary
5	556654D1K	Cab Filter, Charcoal
6	556653D1	Cab Filter, Recirculation
7	AG718281	Cab Filter, Fresh Air
8	AG121778	Hydraulic Filter
9	544340D1	Hydraulic Charge Filter, RG1300 (2 Used)
9	532370D1	Hydraulic Charge Filter, RG900/RG1100 (2 Used)
10	ACP0347170	Hydraulic Return Filter (2 Used)
11	V836862582	Engine Oil Filter
12	ACP0594170	DEF Filter
13	4348738M1	Belt, Fan and Alternator
13	547040D1	Belt, A/C and Water Pump
14	557871D1	Strainer, Fuel Filter

2014-2017 RG 700/700B Filters



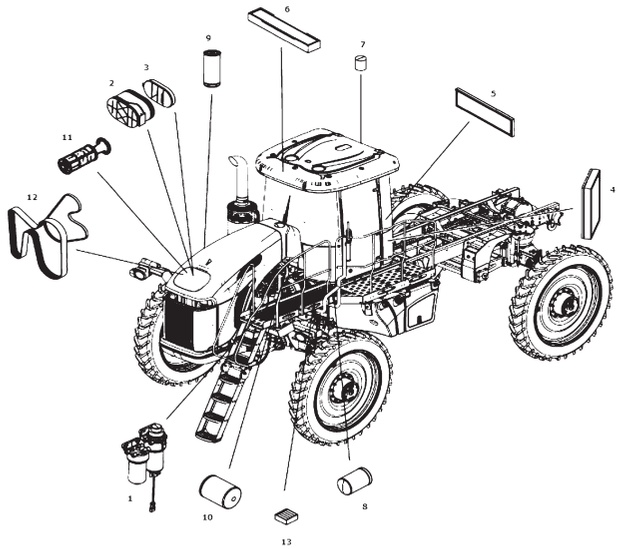
Ref	Part	Description
1-2	V837091436	Fuel Filter Kit
3	567588D1	Air Filter, Primary
4	72437627	Air Filter, Secondary
5	556654D1K	Cab Filter, Charcoal
6	556653D1	Cab Filter, Recirculation
7	WR130711	Cab Filter, Fresh Air
8	AG121778	Hydraulic Filter
9	528755D1	Hydraulic Charge Filter
10	ACP0347170	Hydraulic Return Filter (2 Used)
11	V836679586	Engine Oil Filter
12	ACP0594170	DEF Filter
13	568457D1	Belt, Fan and Alternator
13	558698D1	Belt, Fan and Alternator, 2014-15
13	569990D1	Belt, Fan and Alternator, 2016
14	557871D1	Strainer, Fuel Filter

2015-2017 RG 900B/1100B/1300B Filters



Ref	Part	Description
1-2	V837091436	Fuel Filter Kit
3	567588D1	Air Filter, Primary
4	72437627	Air Filter, Secondary
5	556654D1K	Cab Filter, Charcoal
6	556653D1	Cab Filter, Recirculation
7	AG718281	Cab Filter, Fresh Air
8	AG121778	Hydraulic Filter
9	532370D1	900/1100B Hydraulic Charge Filter Kit (2 Used)
9	544340D1	1300B Hydraulic Charge Filter Kit (2 Used)
10	ACP0347170	Hydraulic Return Filter (2 Used)
11	V836679586	900B Engine Oil Filter
11	V837074523	1100/1300B Engine Oil Filter
12	ACP0594170	DEF Filter
13	588347D1	Belt, Fan and Alternator
13	564691D1	Belt, A/C and Water Pump
14	557871D1	Strainer, Fuel Filter

2018-2020 RG 900/1100/1300C Filters



Ref	Part	Description
1	V837091436	Fuel Filter Kit
2	567588D1	Primary Air Filter Element
3	72437627	Secondary Air Filter Element
4	556654D1K	Carbon Filter Element
5	556653D1	Cab Filter
6	AG718281	Particle Air Filter Element
7	AG121778	Hydraulic Tank Filter Breather
8	AG133231	Hydraulic Pump Oil Filter
9	563588D1	Hydraulic Manifold Return Oil Filter Element
10	V836679586	Oil Filter (RG900C)
10	V837074523	Oil Filter (RG1100C/RG1300C)
11	ACP0594170	DEF Filter
12	588347D1	Serpentine Belt - Severe Duty Fan and Alternator
	564691D1	Belt - A/C and Water Pump
13	557871D1	Fuel Water Separator Filter Element

TerraGator Belts

JD 6081H

Note: *The engine belt for the 6103 TerraGator is part number AG610609.*

Part	Description
AG725518	Belt Fan

1803/1804/1844-6CTA Cummins

Note: *( ) = Quantities needed.*

Part	Description
AG709934	Engine Belt, Ribbed (1)
AG515805	Air Conditioner Belt 36" (While Supplies Last)
AG517971	Air Conditioner Belt 41-1/2" (1994 Model) (1)

1603T/1664T/1803/1844 Cat (Turbo) Belts

Notes: *( ) = Quantities needed. * Order two sets if replacing both fan belt and product pump belt. Each requires two.*

Part	Description
AG516154	Alt./AC Comp. Belt, 275 HP (Set of 2)
3633190M3	Water Pump Belt (Set of 2) ALL
AG602299	Fan Belt/Product Pump Belt (Set of 2) *
AG516322	Air Conditioner Belt (1)
AG520491	Air Conditioner Belt, 300 HP (1)
AG518297	Fan Belt/Product Pump Belt (Set of 2) * 300 HP

1603-555 V-8

Note: *( ) = Quantities needed.*

Part	Description
AG602299	Fan Belt/Product Pump Belt (Set of 2)
AG704052	Timing, New Leader, L-2020 and L-3020 (1)

1603-3208 V-8

Notes: *( ) = Quantities needed. * Order two sets if replacing both fan belt and product pump belt. Each requires two.*

Part	Description
AG602299	Fan Belt/Product Pump Belt (Set of 2) *
AG704052	Timing, New Leader, L-2020 and L-3020 (1)
AG516322	Air Conditioner Belt (1)

1664 VT555 V-8

Notes: *( ) = Quantities needed. * AG602299 is the Simonsen hydraulic pump belt.*

Part	Description
AG704052	Timing, New Leader, L-2020 and L-3020 (1)
AG602299	Fan Belt/Product Pump Belt (Set of 2) *

3104 Engine Belt

1999-2006.

Part	Description
AG610270	3104 Engine Belt

2007 Belts

Part	Description
516499D1	8204, 8244 Engine Belt
509011D1	6203, 8203 Engine Belt

2008-2010 Engine Belts

Part	Description
518671D1	6203, 8203 Engine Belt
518670D1	8204, 8244 Engine Belt

2505 VT903 V-8

Notes: *( ) = Quantities needed. Hydraulic pump belt for pressure vacuum system. Order two sets if replacing both belts.*

Part	Description
AG704052	Timing, New Leader, L-2020 and L-3020 (1)

9103/9105 Cat 3176 Belts

Note: *( ) = Quantities needed.*

Part	Description
AG723663	Engine Belt
AG518057	Air Conditioner Belt (1)

9203 C-12 Belt

Application: 2005 9203 C-12.

Note: *( ) = Quantities needed.*

Part	Description
514548D1	Engine Belt C-12
AG518057	Air Conditioner Belt (1)

9203/9205 C-13 Engine Belt

Applications: 9203/9205 C-13, 2006-2010.

Part	Description
517395D1	Engine Belt C-13

004-6CTA

Note: *( ) = Quantities needed.*

Part	Description
AG709934	Engine Belt, Ribbed (1)
AG515805	Air Conditioner Belt 36" (While Supplies Last)

1004-504 V-8

Note: *( ) = Quantities needed.*

Part	Description
AG602299	Fan Belt/Product Pump Belt (Set of 2)

1004-378 V-6

Notes: *( ) = Quantities needed. * Order two sets if replacing both fan belt and product pump belt. Each requires two.*

Part	Description
AG602299	Fan Belt/Product Pump Belt (Set of 2) *

1253-3208 V-8

Notes: *( ) = Quantities needed. * Order two sets if replacing both fan belt and product pump belt. Each requires two.*

Part	Description
AG602299	Fan Belt/Product Pump Belt (Set of 2) *

1253-555 V-8

Part	Description
AG602299	Fan Belt/Product Pump Belt (Set of 2) *

1254 3208 V-8

Note: *( ) = Quantities needed.*

Part	Description
AG516322	Air Conditioner Belt (1)

1554-International

Note: ( ) = Quantities needed.

Part	Description
AG704052	Timing, New Leader, L-2020 and L-3020 (1)

1604-3208 V-8

*Notes: ( ) = Quantities needed. * Order two sets if replacing both fan belt and product pump belt. Each requires two.*

Part	Description
AG602299	Fan Belt/Product Pump Belt (Set of 2) *
AG704052	Timing, New Leader, L-2020 and L-3020 (1)
AG701211	Water Pump Belt (1)

1703-6 CTA

Note: ( ) = Quantities needed.

Part	Description
AG709934	Engine Belt, Ribbed (1)
AG515805	Air Conditioner Belt 36" (While Supplies Last)

2004-6 BTA-5.9

Part	Description
AG607111	Air Conditioner Belt, 844

2004-504 V8

Note: ( ) = Quantities needed.

Part	Description
AG602299	Fan Belt/Product Pump Belt (Set of 2)

3004-903 V-8

*Notes: ( ) = Quantities needed. * Order two sets if replacing both fan belt and product pump belt. Each requires two.*

Part	Description
AG602299	Fan Belt/Product Pump Belt (Set of 2) *

3004-555 V-8

*Notes: ( ) = Quantities needed. * Order two sets if replacing both fan belt and product pump belt. Each requires two.*

Part	Description
AG602299	Fan Belt/Product Pump Belt (Set of 2) *

A-2800-6 CTA-8.3

Notes: ( ) = Quantities needed. AG516154 is a product pump belt.

Part	Description
AG709934	Engine Belt, Ribbed (1)
AG516154	Alt./AC Comp. Belt, 275 HP (Set of 2)
AG704052	Timing, New Leader, L-2020 and L-3020 (1)
AG517971	Air Conditioner Belt 41-1/2" (1994 Model) (1)

A-2700

Note: ( ) = Quantities needed.

Part	Description
AG704052	Timing, New Leader, L-2020 and L-3020 (1)

A-2500 504 V-8

Note: ( ) = Quantities needed.

Part	Description
AG007971	Product Pump Belt (Scot) (2)

A-3000 6V53T

Note: ( ) = Quantities needed.

Part	Description
AG007971	Product Pump Belt (Scot) (2)

6303/8303 Belts—2011 SISU Engine Tier 3

Part	Description
6801631	A/C Belt
V685121765	Engine Belt

2012-2014 TG7300/TG8300/TG8400 Belts

Part	Description
6801631	A/C Compressor Belt
V685122255	Alternator Belt
V685040855	Coolant Pump Belt

2012-2014 TG9300 Belts

Part	Description
517395D1	Engine Drive Belt CAT C13

RoGator Belts

RoGator 663 and 664

Note: ( ) = Quantities needed.

Part	Description
AG609854	Engine Belt, 844, 854 (1)
AG607111	Air Conditioner Belt, 844

RoGator 544, 554, 844, 854

*Notes: ( ) = Quantities needed. *AG701211 is also an 854 air conditioner belt.*

Part	Description
AG609854	Engine Belt, 844, 854 (1)
AG607111	Air Conditioner Belt, 844
AG701211	Water Pump Belt (1)*
A3288689	Engine Belt, 554 (1)
AG516323	Air Conditioner Belt, 554 (1)

2000-2002 1254 Belts

Applications: 2000-2002 1254 belts.

Note: 2001-2002 1254s use part number AG610580, which is a 74" belt.

Part	Description
AG522449	Air Conditioning Belt
AG610580	Engine Fan Belt (2001 1254 and Up)

2003-2007 864/1064/874/1074 Engine Belts

Applications:

- 2003-2005 864/1064 RoGators.
- 2005-2006 874/1074 RoGators.
- 2007 874/1074SS RoGators.

Part	Description
AG121891	Belt, Serpentine, Engine
AG060698	Belt, V-type, Water Pump

2003-2005 1264 Engine Belts

Applications: 2003-2005 1264 RoGator.

Part	Description
206-6497	Belt, Serpentine (Engine S/N 126023304 and Up)
AG130419	Belt, Serpentine (Engine S/N 126023204 and Below)

2005-2007 1274C Engine Belts

Applications: 2005-2007 1274C RoGator.

Part	Description
206-6497	Belt, Serpentine

2007-2008 1286C Engine Belts

Applications: 2007-2008 1286C RoGator.

Part	Description
206-6497	Belt, Serpentine

2009 884/1084 Engine Belts

Applications: 2009 884/1084 RoGator.

Part	Description
522483D1	Belt, Serpentine (160-Amp Alternator)
522484D1	Belt, Serpentine (200-Amp Alternator)

2010 984/984H/1184/1184H Engine Belts

Applications: 2010 984/984H/1184/1184H RoGator.

Part	Description
522483D1	Belt, Serpentine (160-Amp Alternator)
517411D1	Belt, Serpentine (200-Amp Alternator)

2011 994/994H/1194/1194H Engine Belts

Applications: 2011 994/994H/1194/1194H RoGator.

Part	Description
522483D1	Belt, Serpentine (160-Amp Alternator)
517411D1	Belt, Serpentine (200-Amp Alternator)

2010-2011 1386/1396 Engine Belts

Applications: 2010 1386 RoGator, 2011 1396 RoGator.

Part	Description
518671D1	Belt, Serpentine (160-Amp Alternator)
517411D1	Belt, Serpentine (200-Amp Alternator)

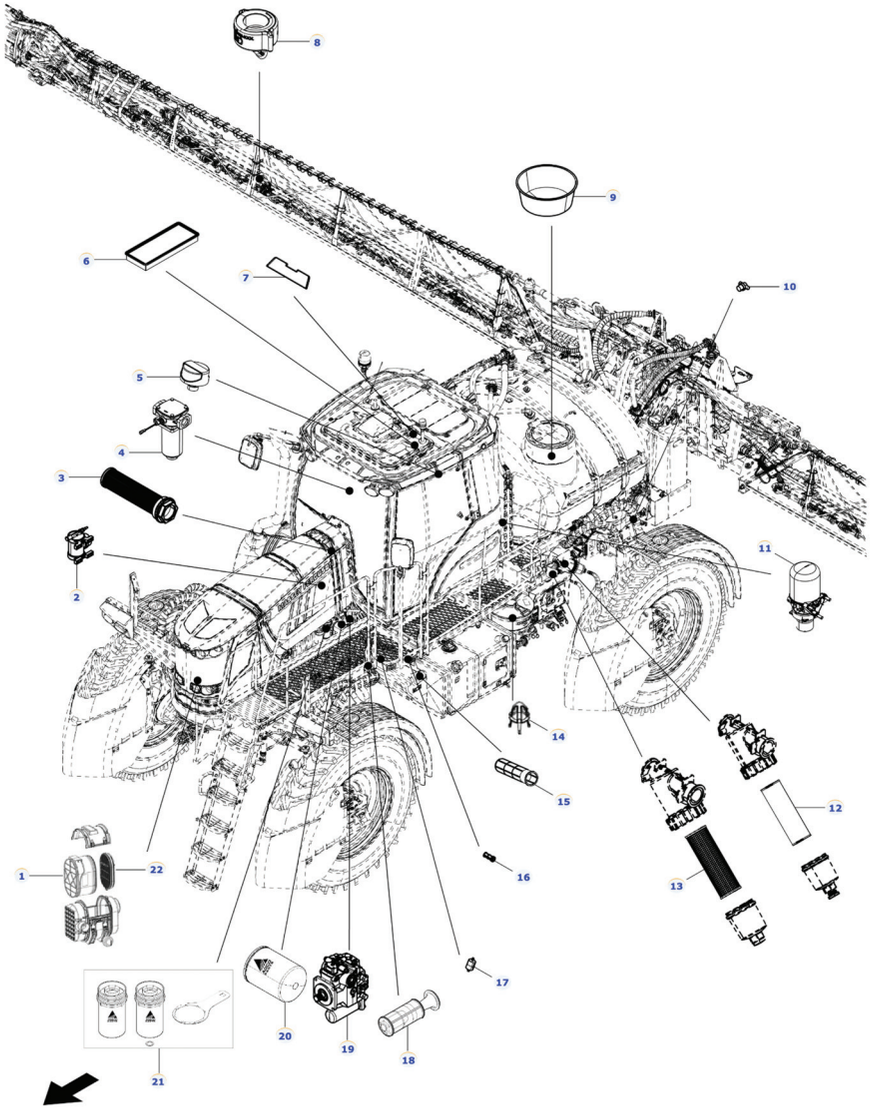
2012-2014 RG900/RG1100/RG1300 Engine Belts

Applications: 2012-2013 900/1100/1300 RoGator.

Part	Description
4348738M1	Belt, Fan and Alternator
547040D1	Belt, A/C and Water Pump

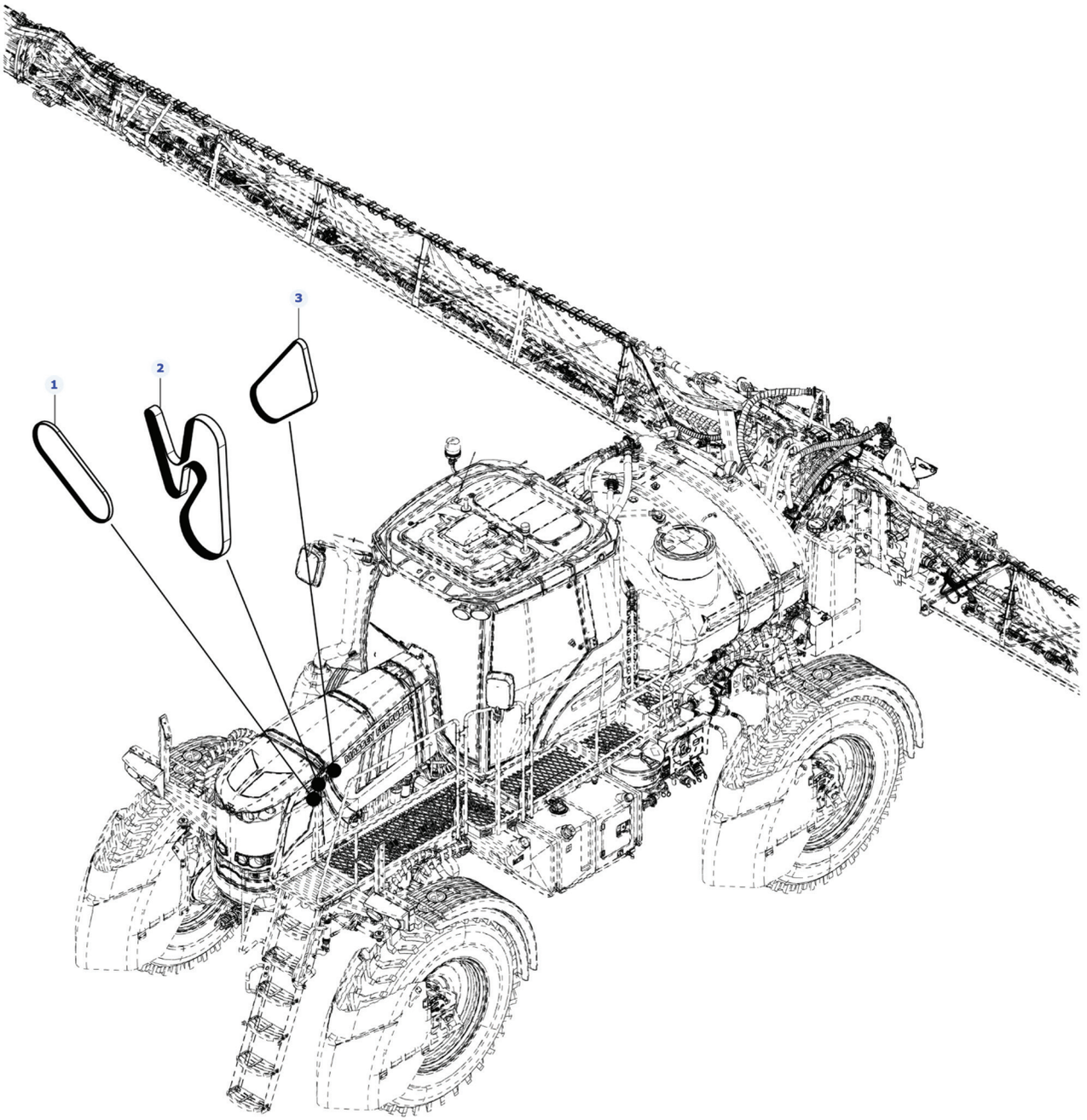
Filters Guide

Line	Part	Qty.	Part Description	Additional Tech Spec
1	4286473M2	1	Primary Air Filter Element	
2	ACW1728940	1	CCV Filter	
3	ACW4892670	1	Suction Filter	
4	ACW5310400	1	Hydraulic Return Filter Element	
5	V84876100	1	Breather Filter	0.6Bar
6	ACX2903010	1	Carbon Filter Element	
7	ACX245368A	1	Filter	
8	ACW3130330	1	Filter	100 Mesh
8	ACW3130330	1	Filter	100 Mesh
9	6265682M1	1	In-Tank Filter	
10	ACX3071290	1	Strainer	1/2"
11	ACW9087350	1	Filter Element	
11	ACW9087350	1	Filter Element	
12	ACW0813520	1	Line Filter	80 Mesh
13	AG052351	1	Mesh	30
14	ACM4100218	1	Filter	
15	6209575M1	1	Fuel Strainer	
16	6283613M91	1	Fuel Filter	Fuel Tank
17	ACV0773380	1	Filter	
18	ACP0594170	1	DEF Filter	
19	6285223M1	1	Pump Inlet Filter	
20	V836679586	1	Oil Filter	
21	V837091436	1	Fuel Filter Kit	
22	4286474M1	1	Secondary Air Filter Element	



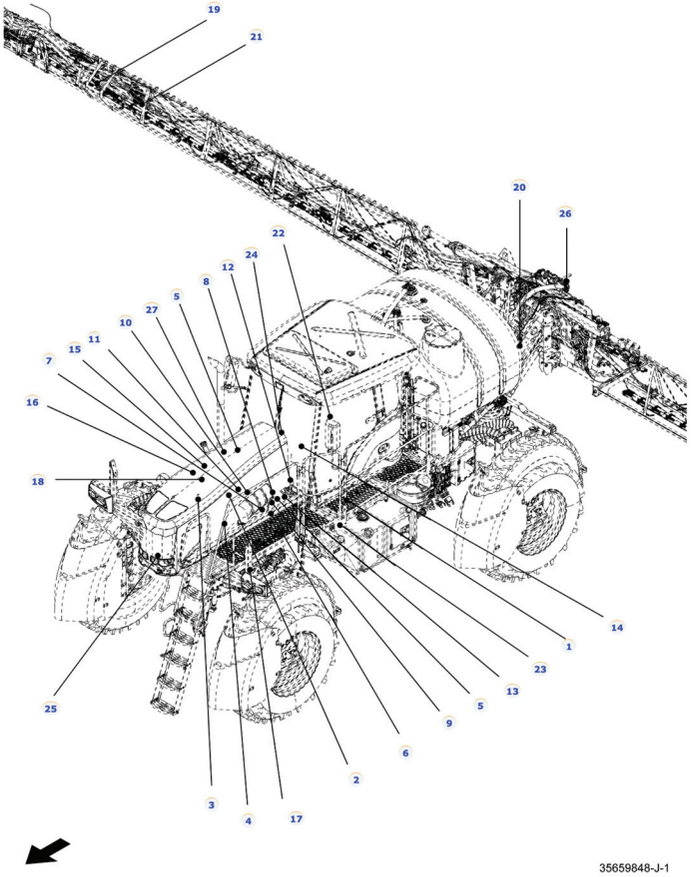
Belts Guide

Line	Part	Qty.	Part Description	Additional Tech Spec
1	ACW0825120	1	Belt	L=1020MM
2	ACW0569260	1	Air Conditioner Compressor Belt	L=2294MM
3	ACX3617650	1	Belt	L=1080MM



Sensors Guide

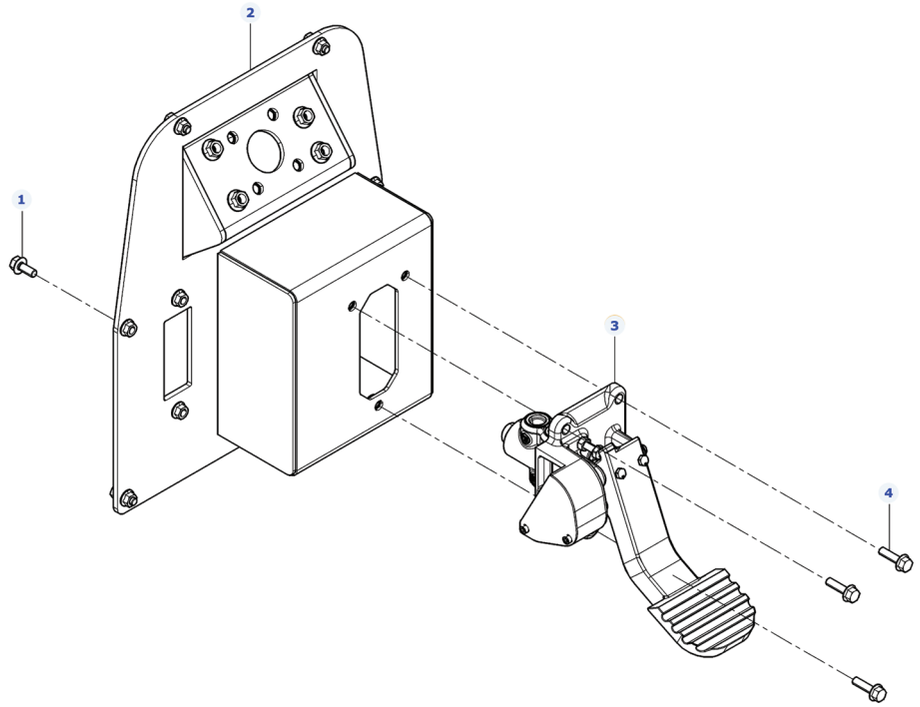
Line	Part	Qty.	Part Description	Additional Tech Spec
1	ACW4031390	1	Fuel Level Sensor	
2	3712526M1	1	Pressure Sensor	L=247.50MM
3	ACW0143640	1	Valvometer	40MBAR
4	V837079833	1	Fuel Pressure Sensor	
5	ACW2167060	1	Temperature Sensor	
6	V836667732	1	Temperature Sensor	
7	ACW2011720	1	Sensor	
8	V837084326	1	Boost Pressure Sensor	
9	ACW0830170	1	Crankshaft Speed Sensor	
10	V837070189	1	Speed Sensor	
11	V837070209	1	Pressure Sensor	
12	579543D1	1	Pressure Sensor	7500PSI / 4-20MA
13	579543D1	1	Pressure Sensor	7500PSI / 4-20MA
14	579575D1	1	Temperature Sensor	
15	ACW2167060	1	Temperature Sensor	
16	ACX248097A	1	NOX Sensor	12V
17	603021D1	1	Position Sensor	4-20MA
18	ACW1805880	1	Pressure Sensor	
19	ACX3146070	1	Proximity Sensor	
19	ACX3146070	1	Proximity Sensor	
19	ACX3146070	1	Proximity Sensor	
20	ACW9106440	1	Radar Sensor	
20	ACW9106440	1	Radar Sensor	
20	ACW9106440	1	Radar Sensor	
21	ACX3861280	1	Rotary Position Sensor	
21	ACX3861280	1	Rotary Position Sensor	
21	ACX3861280	1	Rotary Position Sensor	
22	3905883M91	1	Sensor	
23	ACW288799A	1	DEF Sensor	
24	ACZ0001550	1	Sensor	9-32V
25	V836667732	1	Temperature Sensor	
26	599650D1	1	Sensor	
27	ACX248097A	1	NOX Sensor	12V



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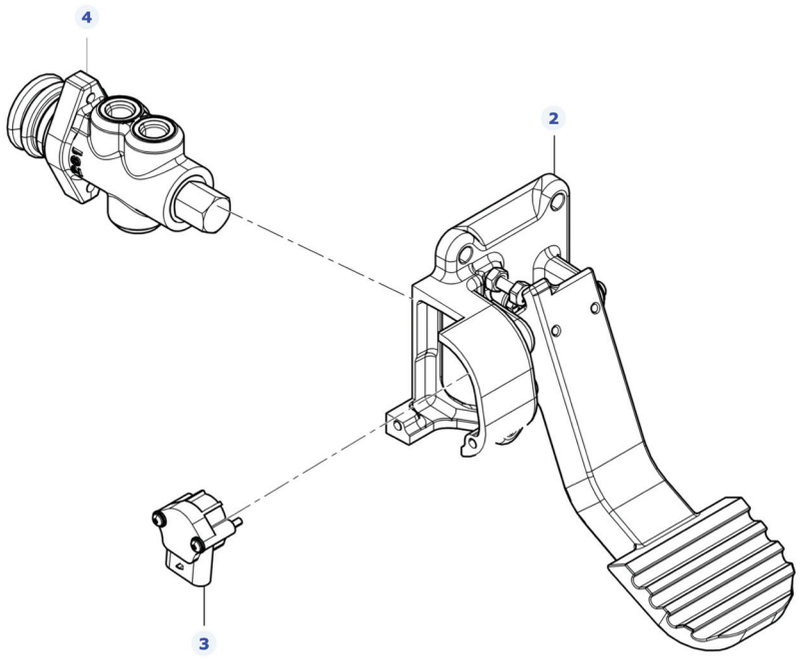
Brake Pedal

Line	Part	Qty.	Part Description	Additional Tech Spec
1	ACW1041210	6	Hexagon Flange Bolt	DIN6921 M8X1.25X20-8 FLZN1
2	ACW6028820	1	Pedal Bracket	
3	ACX2175200	1	Brake Valve	
4	ACW0775850	3	Hexagon Flange Bolt	EN1665 M8X1.25X30-8 VDA30



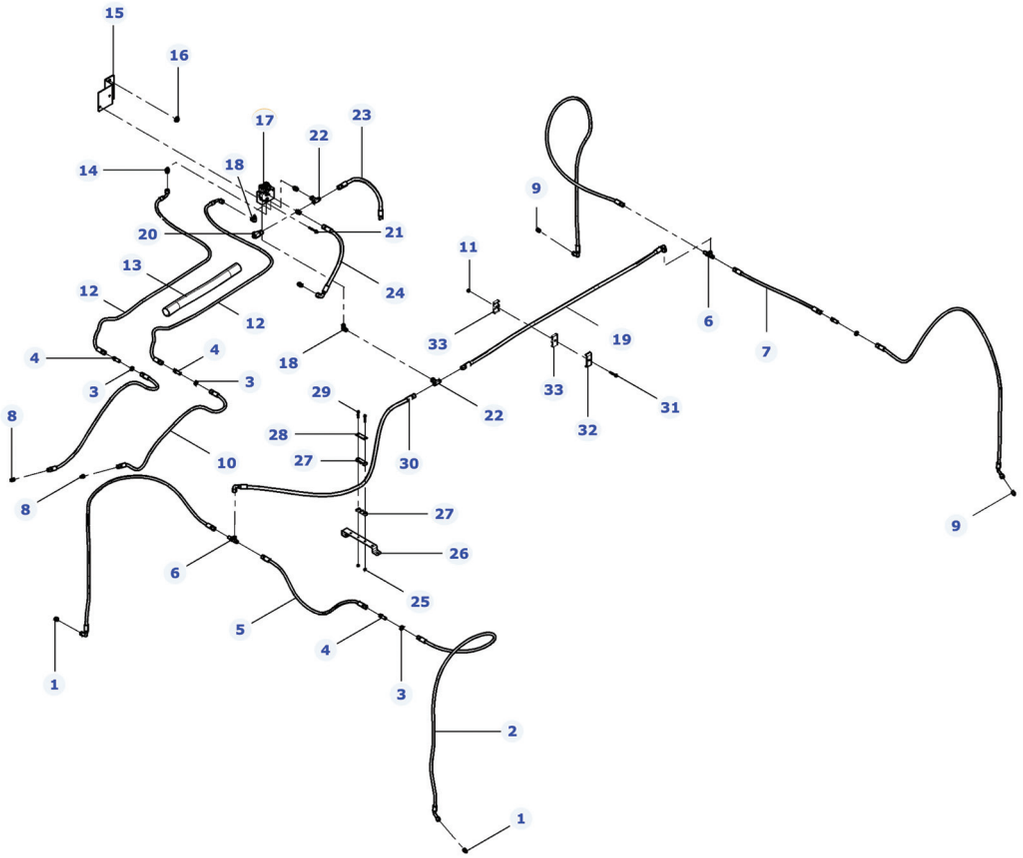
Brake Pedal Brake Valve

Line	Part	Qty.	Part Description
1	ACX2175200	1	Brake Valve
1	539810D1	1	Repair Kit
2	567704D1	1	Brake Pedal
3	569283D1	1	Sensor Kit
4	ACX2179180	1	Brake Valve



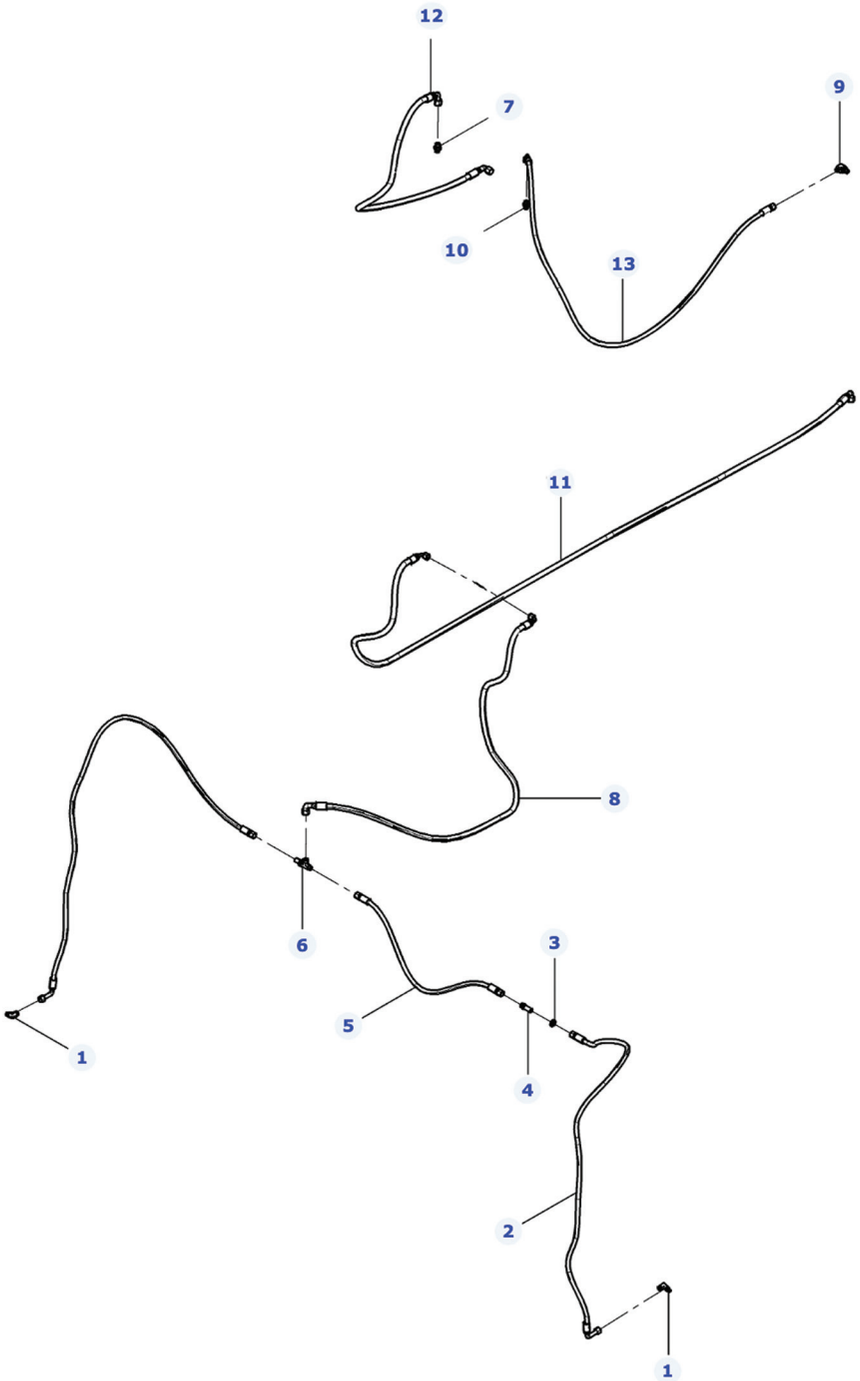
Brake Lines 1

Line	Part	Qty.	Part Description	Additional Tech Spec
1	6215497M1	2	Elbow Fitting	M12X1.5 / 90°
2	6271037M91	4	Hose	L=2450MM
3	6239138M1	4	Nut	11/16"-16
4	6216159M1	4	Connection	16-Nov
5	6271033M91	1	Pressure Hose	L=1050MM
6	6271036M1	2	Tee Fitting	11/16"X13/16" ORFS
7	6271038M91	1	Pressure Hose	L=760MM
8	4361238M1	2	Fitting	
9	6271057M1	2	Fitting	M12X1.5
10	ACW1091010	2	Hydraulic Hose	L=1750MM
11	3019124X1	2	Hex Flange Nut	M8X1.25 10-ZN
12	6271031M91	2	Hose	L=2500MM
13	040368P1	1	Hose Protector	
14	6271058M1	2	Fitting	M14X1.5 / 13/16"-16
15	ACW4388780	1	Manifold Bracket	
16	3019127X1	2	Hex Flange Nut	M16X2.0 10.9-ZN
17	ACW4240260	1	Manifold Block	
18	ACW1955800	1	Elbow Fitting	ISO8434-3 - SDE - 12BXM14
19	ACW4385100	1	Brake Hose	L=2000MM
20	CH148-8444	2	Tee Fitting	8ORFS
21	3012161X1	2	Hexagon Flange Bolt	M8X1.25X65 8.8-ZN
22	6271043M1	2	Tee Fitting	13/16"-16
23	ACW7170220	1	Return Hose	L=580MM
24	ACW3401860	1	Pressure Hose	L=830MM
25	3019123X1	2	Hex Flange Nut	M6X1.0 10-ZN
26	ACW7594180	1	Bracket	
27	4292560M1	2	Half Clamp	
28	4292561M1	1	Plate	
29	3012147X1	2	Hex Flange Capscrew	M6X1.0X45 8.8-ZN
30	6271039M91	1	Hose	L=1900MM
31	3012159X1	2	Hexagon Flange Bolt	M8X1.25X55 8.8-ZN
32	028318P1	2	Cramp	
33	028317P1	4	Rubber Mounting	



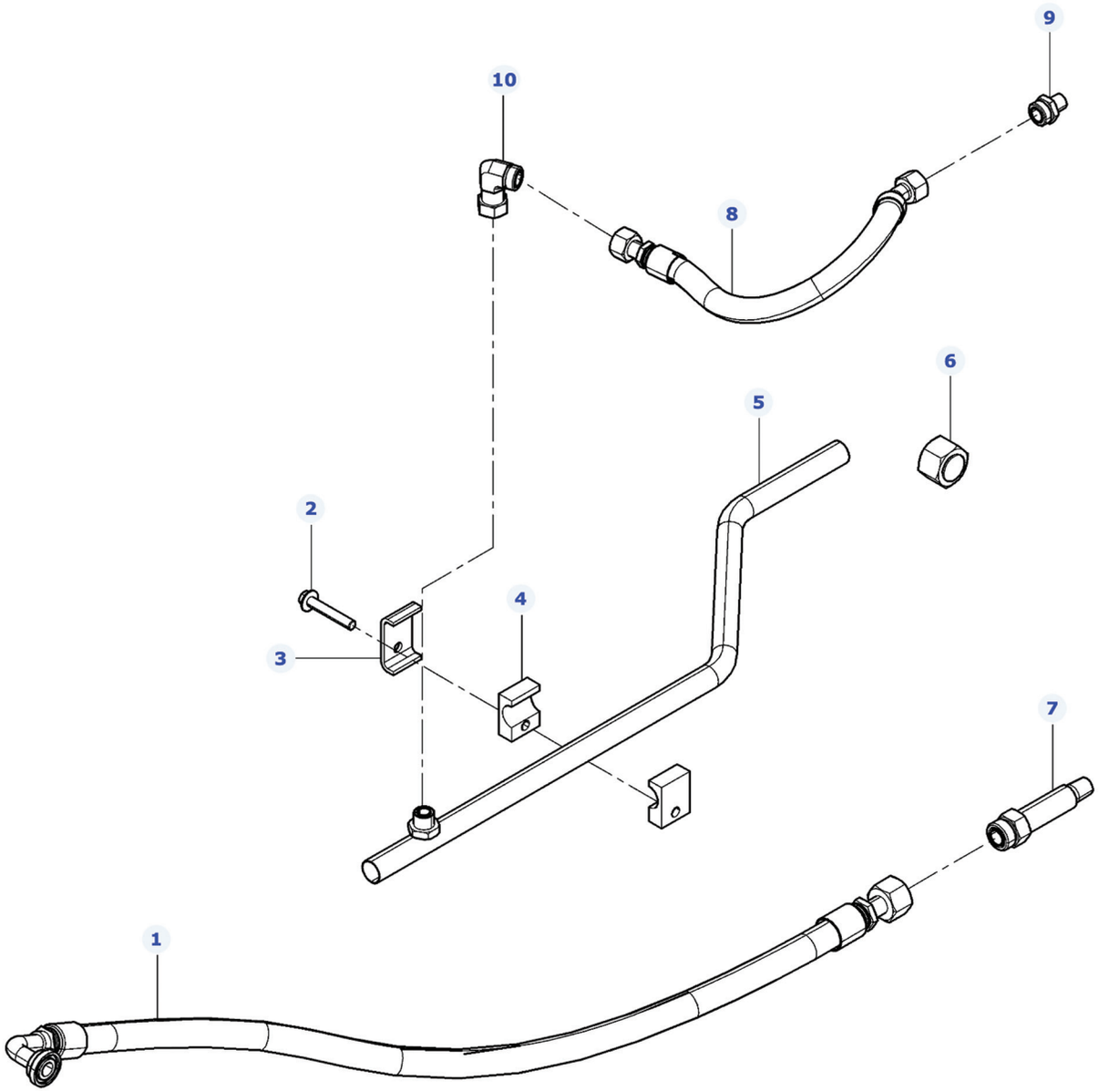
Brake Lines 2

Line	Part	Qty.	Part Description	Additional Tech Spec
1	6271057M1	2	Fitting	M12X1.5
2	6271037M91	2	Hose	L=2450MM
3	6239138M1	1	Nut	11/16"-16
4	6216159M1	1	Connection	16-Nov
5	6271033M91	1	Pressure Hose	L=1050MM
6	6271036M1	1	Tee Fitting	11/16"X13/16" ORFS
7	4379488X91	1	Fitting	M16ORB_13/16FS
8	ACX5253200	1	Brake Hose	L=2300MM
9	4379362X91	2	Elbow Fitting	90° / M16X1.5
10	4379357X91	1	Fitting	M16X1.5
11	ACW4971460	1	Brake Hose	L=3600MM
12	ACW4975440	1	Brake Hose	L=1700MM
13	ACX3683530	1	Hose	L=2100MM



Hydraulic Lines – Spray

Line	Part	Qty.	Part Description	Additional Tech Spec
1	ACW7377410	1	Pressure Hose	L=1380MM
2	3012173X1	2	Hex Flange Capscrew	M10X1.5X60 8.8-ZN
3	6236898M1	2	Reinforcement	
4	064481P1	4	Rubber Mounting	
5	ACW7166440	1	Cooling Tube	L=864.8MM
6	71412513	1	Cap	1" ORFS
7	6261915M1	1	Adjustable T-Threaded Connection	1/2 NPT X 1.3/16 ORFS
8	ACX3852750	1	Hydraulic Hose	L=870MM
9	6273950M1	1	Connection	3/4 NPTF X 1.7/16 ORFS
10	ACW3793480	1	Swivel Elbow Fitting	ISO8434-3-SWE-25BX25-ZJ

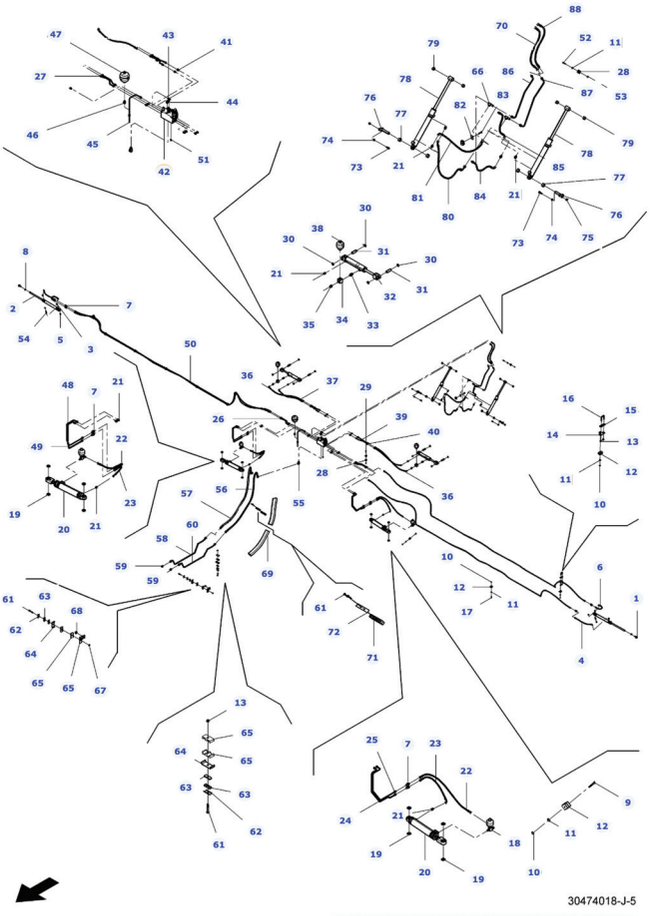


Hydraulic Lines Boom 1

Line	Part	Qty.	Part Description	Additional Tech Spec
1	6306077M91	2	Ball Joint	
2	ACW1760650	2	Cylinder	50X30MM
2	ACW3662620	2	Repair Kit	
3	6271057M1	4	Fitting	M12X1.5
4	6316658M91	2	Hydraulic Hose	L=620MM
5	5000004X1	4	Hex Flange Locknut	M10X1.5 10
6	6316659M91	2	Hydraulic Hose	L=400MM
7	6216159M1	8	Connection	16-Nov
8	339495X1	2	Hex Nut	M16X2.0 4-ZN
9	391244X1	2	Hexagonal Head Bolt	M6X1.0X45 8.8-ZN
10	5000027X1	16	Hex Flange Locknut	M6X1.0 8
11	391038X1	15	Flat Washer	M6 ZN
12	148022M1	15	Double Clamp	5/8"
13	3019124X1	6	Hex Flange Nut	M8X1.25 10-ZN
14	ACW2249390	2	Bracket Plate	
15	6311476M1	2	Bracket Plate	
16	6280251M1	2	U-Bolt	M8X1.25
17	3012147X1	10	Hex Flange Capscrew	M6X1.0X45 8.8-ZN
18	6282201M91	2	Accumulator	
19	6313330M1	8	Spacer Washer	
20	ACX3026320	2	Hydraulic Cylinder	
20	ACX3065130	2	Cylinder Seal Kit	
20	ACX3065370	2	Rod Eye	
20	ACX302632A	2	Hydraulic Cylinder	
20	ACX4034120	2	Repair Kit	
20	ACX4034130	2	Toggle	
20	ACX4034140	2	Bushing	
21	6215496M1	18	Fitting	M14ORB_11/16FS
22	6316406M91	2	Hydraulic Hose	L=1100MM
23	6313272M91	2	Hydraulic Hose	L=750MM
24	ACX2848290	1	Hydraulic Line	L=991MM
25	ACX2848230	1	Hydraulic Line	L=1024.3MM
26	ACW3686580	2	Hydraulic Line	L=394.7MM
27	ACW3686600	2	Hydraulic Line	
28	148021M1	5	Double Clamp	3/8"X3/8"
29	3012149X1	2	Hexagon Flange Bolt	M6X1.0X55 8.8-ZN
30	1440477X1	8	External Retaining Ring	Ø30MM PH
31	6313331M2	4	Cylinder Pin	
32	6311440M91	2	Lift Cylinder	
32	ACW1540740	2	Boom Lift Cylinder Repair Kit	
33	6316481M1	2	Threaded Unions	M22X1.5
34	ACW3145420	2	Hydraulic Block	
35	6316662M1	2	Threaded Unions	M22X1.5 / 11/16"
36	6316660M91	2	Hydraulic Hose	L=1350MM
37	6316701M91	2	Hydraulic Hose	L=1050MM
38	ACW3412390	2	Diaphragm Accumulator	0.5L-90BAR
39	ACW3719970	2	Hydraulic Line	L=396.3MM
40	ACW3719980	2	Hydraulic Line	
41	6216677M1	2	Fitting	M18 ORB X 11/16 ORFS
42	ACW7478120	1	Manifold Block	
43	ACW1971590	1	Tee Fitting	ISO8434-3 - SWBT - 10BX10X10
44	6215505M1	1	Elbow Fitting	M14X1.5 X 11/16" ORFS
45	ACW3688400	1	Hydraulic Line	
46	6316477M1	1	Threaded Unions	M18X1.5 / 1.1/16"
47	6311448M91	1	Hydraulic Accumulator	86BAR
48	ACX2851260	1	Hydraulic Line	L=1035.8MM
49	ACX2851240	1	Hydraulic Line	L=1009.8MM
50	ACW4977100	4	Hydraulic Hose	L=8300MM
51	3009920X1	4	Hexagon Flange Bolt	M8X1.25X16 8.8-ZN FT
52	339229X1	1	Hexagonal Head Bolt	M6X1.0X40 8.8-ZN
53	3019123X1	1	Hex Flange Nut	M6X1.0 10-ZN
54	6316700M1	2	Cylinder Pin	
55	4379387X91	1	Tee Fitting	
56	ACW1764950	1	Pressure Hose	L=2600MM
57	ACW1512920	1	Pressure Hose	L=2600MM
58	ACW7689160	1	Return Tube	

Hydraulic Lines Boom 1 (continued)

Line	Part	Qty.	Part Description	Additional Tech Spec
59	6270408M1	2	Fitting	M18 ORB X 1.3/16 ORF
60	ACW7689190	1	Pressure Outlet Tube	L=1641.9MM
61	3012162X1	4	Hexagon Flange Bolt	M8X1.25X70 8.8-ZN
62	3146897M1	2	Reinforcement	
63	3146896M1	4	Clamp	Ø9.4MM
64	028318P1	2	Clamp	
65	028317P1	4	Rubber Mounting	
66	400618X1	2	Bulkhead Tee Fitting	3X 11/16"-16
67	ACW8575630	1	Tube Bracket	
68	3019127X1	1	Hex Flange Nut	M16X2.0 10.9-ZN
69	3587225M1	2	Protecting Case	
70	ACW2316580	1	Hydraulic Hose	L=1000MM
71	71442802	1	Hose Clamp	
72	71449600	1	Plate	PLT
73	3009208X1	2	Hexagon Flange Bolt	M10X1.5X35 10.9-ZN
74	6266757M1	2	Spacer Bushing	Ø10.5-20X6MM
75	3019125X1	2	Hex Flange Nut	M10X1.5 10-ZN
76	ACX2893060	2	Pin	
77	ACW1428590	4	Bushing	Ø25.6-40X19MM
78	6311439M91	2	Lift Cylinder	
	ACW1541140	2	Boom Lift Cylinder Repair Kit	
79	6308150M1	4	Self-Lubricating Bushing	
80	ACX4501060	1	Hydraulic Hose	L=2000MM
81	ACX4504770	1	Hydraulic Hose	L=2000MM
82	101646M1	1	Cover Plate	Ø7.87X6.35MM
83	3012148X1	1	Hexagon Flange Bolt	M6X1.0X50 8.8-ZN
84	ACW2308230	1	Hydraulic Hose	L=800MM
85	ACW2308730	1	Hydraulic Hose	L=550MM
86	ACW2313240	1	Hydraulic Line	L=652.4MM
87	ACW2313290	1	Hydraulic Line	L=740.5MM
88	ACW2316650	1	Hydraulic Hose	L=985MM

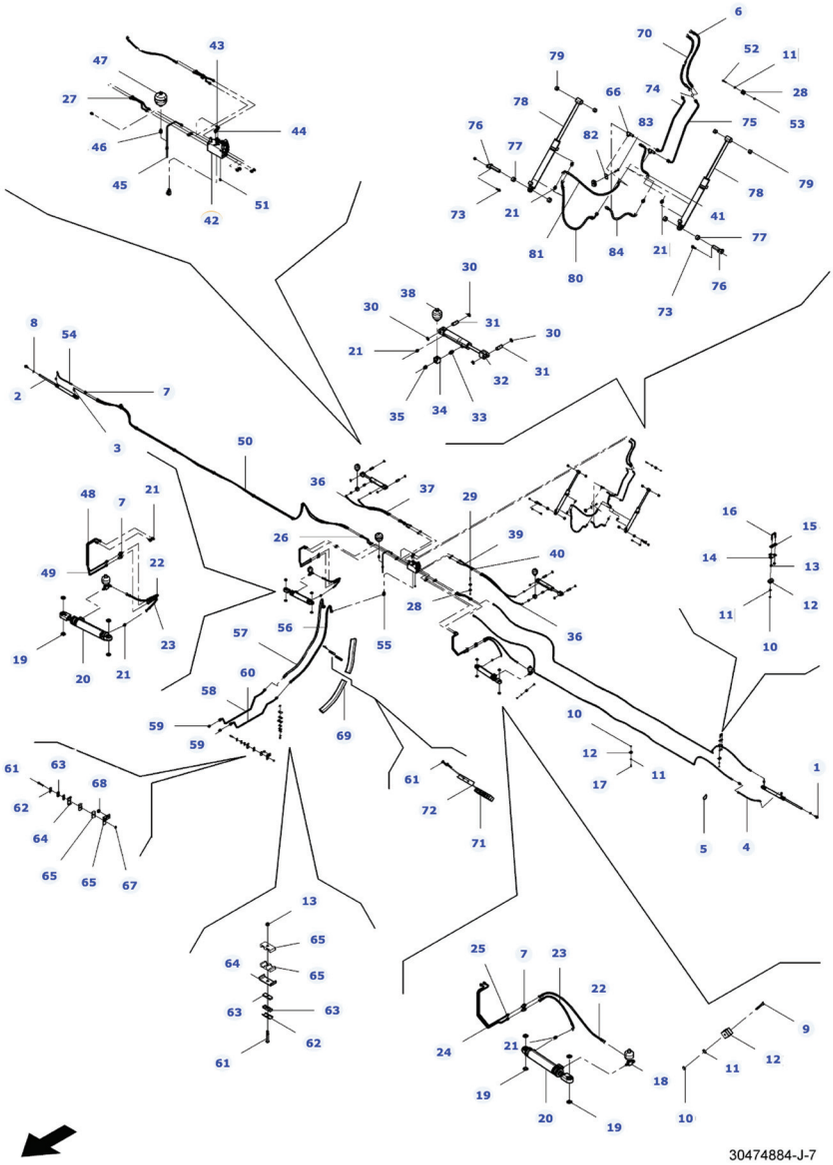


Hydraulic Lines Boom 2

Line	Part	Qty.	Part Description	Additional Tech Spec
1	6306077M91	2	Ball Joint	
2	ACW1760650	2	Cylinder	50X30MM
3	6271057M1	4	Fitting	M12X1.5
4	ACX2669160	2	Hydraulic Hose	L=1650MM
5	1664405M1	2	Cable Tie	146-PLASTIC-PL
6	ACW2316650	1	Hydraulic Hose	L=985MM
7	6216159M1	8	Connection	
8	339495X1	2	Hex Nut	M16X2.0 4-ZN
9	391244X1	2	Hexagonal Head Bolt	M6X1.0X45 8.8-ZN
10	5000027X1	16	Hex Flange Locknut	M6X1.0 8
11	391038X1	19	Flat Washer	M6 ZN
12	148022M1	17	Double Clamp	5/8"
13	3019124X1	10	Hex Flange Nut	M8X1.25 10-ZN
14	ACW2249390	4	Bracket Plate	
15	6311476M1	4	Bracket Plate	
16	6280251M1	4	U-Bolt	M8X1.25
17	3012147X1	10	Hex Flange Capscrew	M6X1.0X45 8.8-ZN
18	6282201M91	2	Accumulator	
19	6313330M1	8	Spacer Washer	
20	ACX302632A	2	Hydraulic Cylinder	
20	ACX4034120	2	Repair Kit	
20	ACX4034130	2	Toggle	
20	ACX4034140	2	Bushing	
21	6215496M1	18	Fitting	M14ORB_11/16FS
22	6316406M91	2	Hydraulic Hose	L=1100MM
23	6313272M91	2	Hydraulic Hose	L=750MM
24	ACX2848290	1	Hydraulic Line	L=991MM
25	ACX2848230	1	Hydraulic Line	L=1024.3MM
26	ACW3686580	2	Hydraulic Line	L=394.7MM
27	ACW3686600	2	Hydraulic Line	
28	148021M1	5	Double Clamp	3/8"X3/8"
29	3010639X1	2	Hexagonal Head Bolt	M6X1.0X70 8.8-ZN
30	1440477X1	8	External Retaining Ring	Ø30MM PH
31	6313331M2	4	Cylinder Pin	
32	6311440M91	2	Lift Cylinder	
33	6316481M1	2	Threaded Unions	M22X1.5
34	ACW3145420	2	Hydraulic Block	
35	6316662M1	2	Threaded Unions	M22X1.5 / 11/16"
36	6316660M91	2	Hydraulic Hose	L=1350MM
37	6316701M91	2	Hydraulic Hose	L=1050MM
38	ACW3412390	2	Diaphragm Accumulator	0.5L-90BAR
39	ACW3719970	2	Hydraulic Line	L=396.3MM
40	ACW3719980	2	Hydraulic Line	
41	ACW2308730	1	Hydraulic Hose	L=550MM
42	ACW7478120	1	Manifold Block	
43	ACW1971590	1	Tee Fitting	ISO8434-3 - SWBT - 10BX10X10
44	6215505M1	1	Elbow Fitting	M14X1.5 X 11/16" ORFS
45	ACW3688400	1	Hydraulic Line	
46	6316477M1	1	Threaded Unions	M18X1.5 / 1.1/16"
47	6311448M91	1	Hydraulic Accumulator	86BAR
48	ACX2851260	1	Hydraulic Line	L=1035.8MM
49	ACX2851240	1	Hydraulic Line	L=1009.8MM
50	ACW4977100	4	Hydraulic Hose	L=8300MM
51	3009920X1	4	Hexagon Flange Bolt	M8X1.25X16 8.8-ZN FT
52	339229X1	1	Hexagonal Head Bolt	M6X1.0X40 8.8-ZN
53	3019123X1	1	Hex Flange Nut	M6X1.0 10-ZN
54	ACX2668870	2	Hydraulic Hose	L=1160MM
55	4379387X91	1	Tee Fitting	
56	ACW1764950	1	Pressure Hose	L=2600MM
57	ACW1512920	1	Pressure Hose	L=2600MM
58	ACW7689160	1	Return Tube	
59	6270408M1	2	Fitting	M18 ORB X 1.3/16 ORF
60	ACW7689190	1	Pressure Outlet Tube	L=1641.9MM
61	3012162X1	4	Hexagon Flange Bolt	M8X1.25X70 8.8-ZN
62	3146897M1	2	Reinforcement	
63	3146896M1	4	Clamp	Ø9.4MM

Hydraulic Lines Boom 2 (continued)

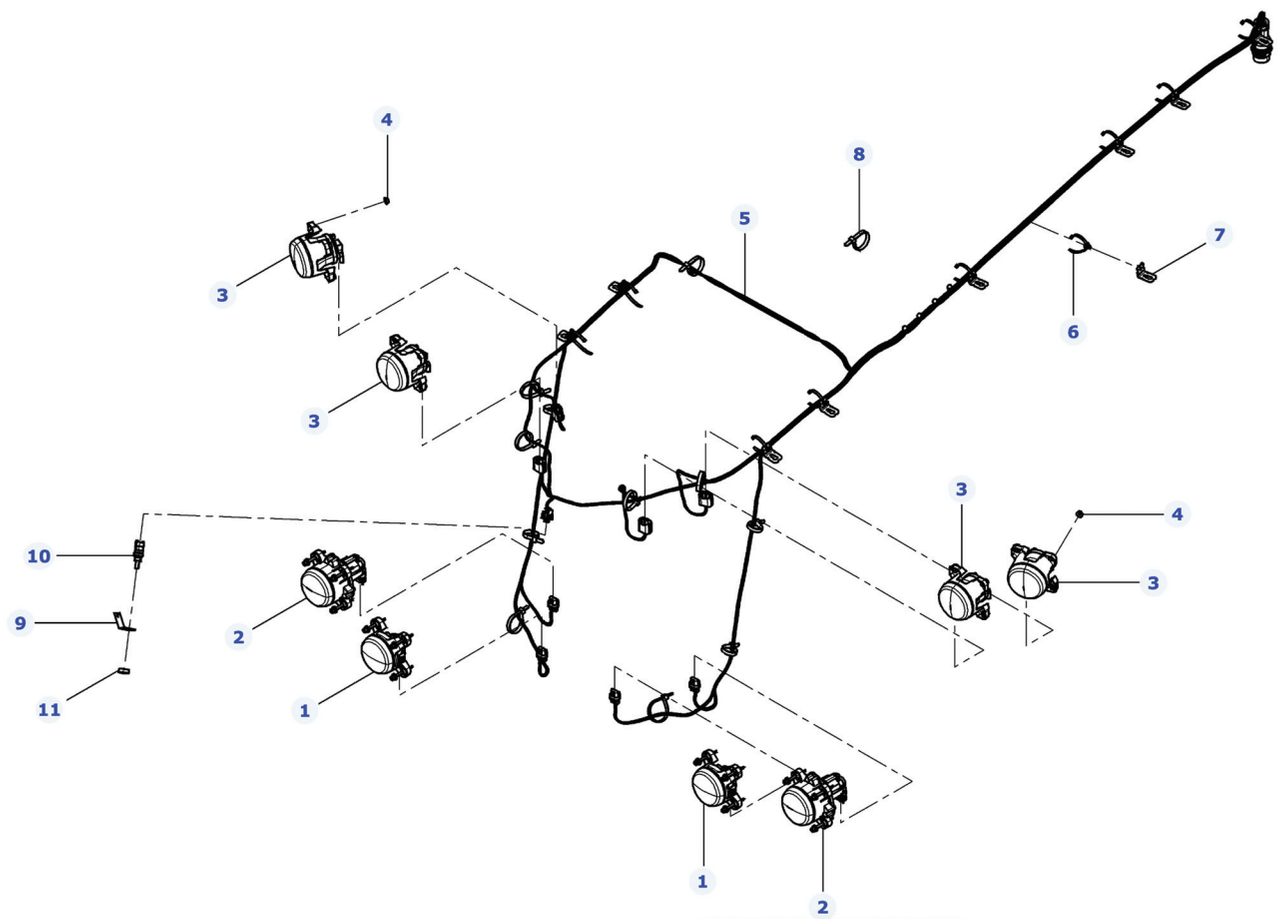
Line	Part	Qty.	Part Description	Additional Tech Spec
64	028318P1	2	Clamp	
65	028317P1	4	Rubber Mounting	
66	400618X1	2	Bulkhead Tee Fitting	3X 11/16"-16
67	ACW8575630	1	Tube Bracket	
68	3019127X1	1	Hex Flange Nut	M16X2.0 10.9-ZN
69	3587225M1	2	Protecting Case	
70	ACW2316580	1	Hydraulic Hose	L=1000MM
71	71442802	1	Hose Clamp	
72	71449600	1	Plate	PLT
73	3009205X1	2	Hex Flange Capscrew	M10X1.5X20 10.9-PH FT
74	ACW2313240	1	Hydraulic Line	L=652.4MM
75	ACW2313290	1	Hydraulic Line	L=740.5MM
76	ACX2893060	2	Pin	
77	ACW1428590	4	Bushing	Ø25.6-40X19MM
78	6311439M91	2	Lift Cylinder	
79	6308150M1	4	Self-Lubricating Bushing	
80	ACX4501060	1	Hydraulic Hose	L=2000MM
81	ACX4504770	1	Hydraulic Hose	L=2000MM
82	101646M1	1	Cover Plate	Ø7.87X6.35MM
83	3012148X1	1	Hexagon Flange Bolt	M6X1.0X50 8.8-ZN
84	ACW2308230	1	Hydraulic Hose	L=800MM



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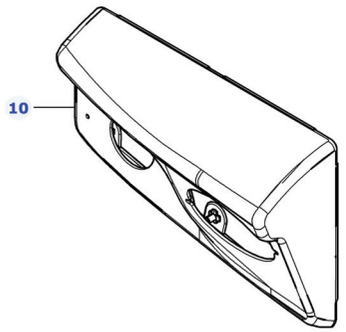
Road Lights

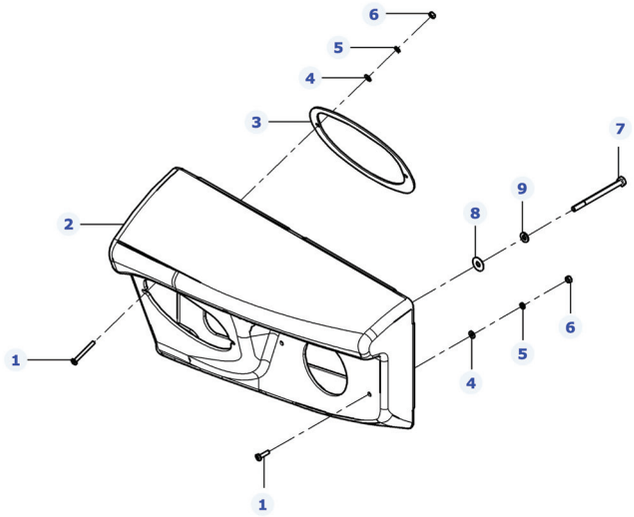
Line	Part	Qty.	Part Description	Additional Tech Spec
1	4352675M3	2	Headlight	
2	4352924M3	2	Headlight	
3	4271840M92	4	Work Light	
4	3019123X1	16	Hex Flange Nut	M6X1.0 10-ZN
5	ACW4823600	1	Light Wiring Harness	
6	6200793M1	9	Clamp	Ø50MM
7	ACW1987590	9	Mounting Bracket	
8	V243020	12	Nylon Tie	L=200MM
9	4383881M2	1	Sensor Bracket	
10	V836667732	1	Temperature Sensor	
11	339070X1	1	Hex Nut	M14X1.5 4-ZN

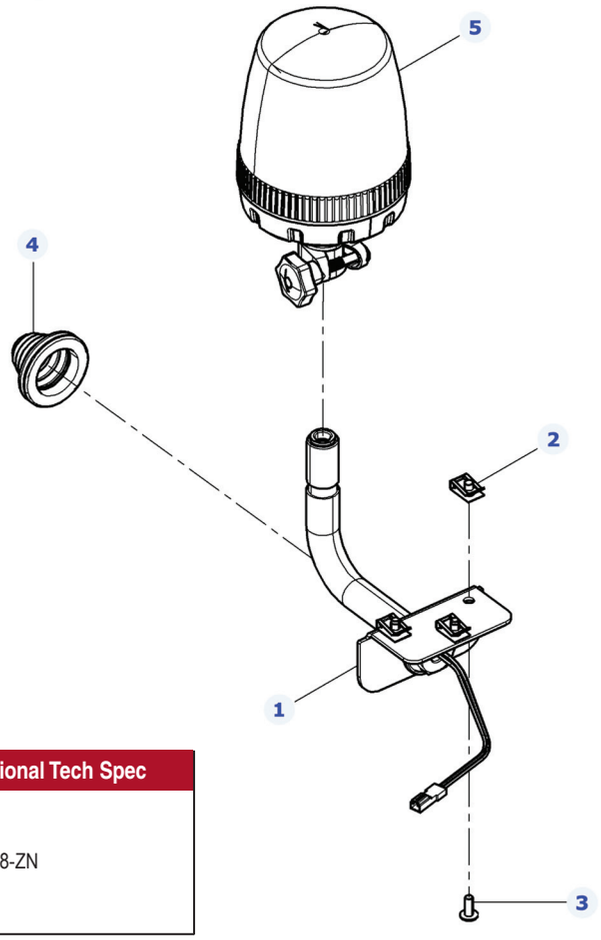


Rear Lights

Line	Part	Qty.	Part Description	Additional Tech Spec
1	3015283X1	4	Pan Head Screw	M4X0.7X35 4.8-ZN
2	ACX4157120	1	Light Garnish, Right Hand	
3	ACX2310940	2	Fastening Plate	
4	ACW1059500	4	Flat Washer	ISO7089 4-200HV VDA30
5	339382X1	4	Lock Washer	M4 ZN
6	ACW1042220	4	Hex Nut	ISO4032 M4X0.7-8 ELZN3
7	3010436X1	12	Hexagonal Head Bolt	M6X1.0X90 8.8-ZN
8	391038X1	12	Flat Washer	M6 ZN
9	339375X1	12	Lock Washer	M6 ZN
10	ACX4157130	1	Light Garnish, Left Hand	







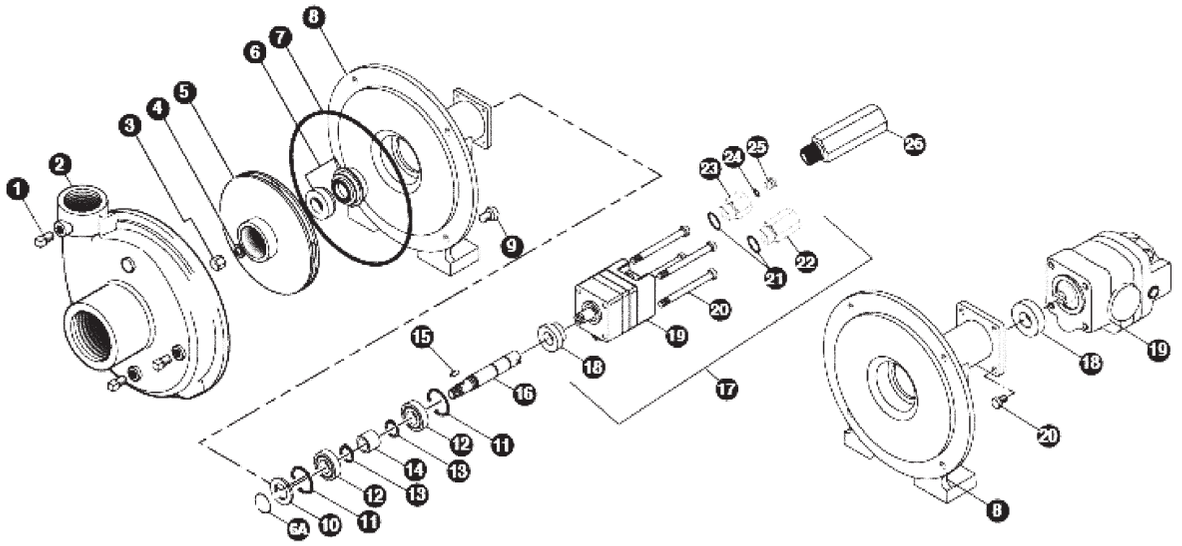
Rotary Beacon

Line	Part	Qty.	Part Description	Additional Tech Spec
1	4353742M93	1	Rotary Beacon Bracket	
2	3014635X1	3	Spring Nut	M6 ZN
3	3012092X1	3	Pan Head Screw	M6X16 8.8-ZN
4	4354888M2	1	Grommet	
5	4298533M95	1	Rotary Beacon	55W

To find your nearest dealer or to order, go to parts.agcocorp.com

ACE FMC-HYD Repair Parts

Repair parts for ACE hydraulic 1-1/4" x 1" pumps. Pump repair kits include: mechanical seal, washer, and volute seal O-ring.

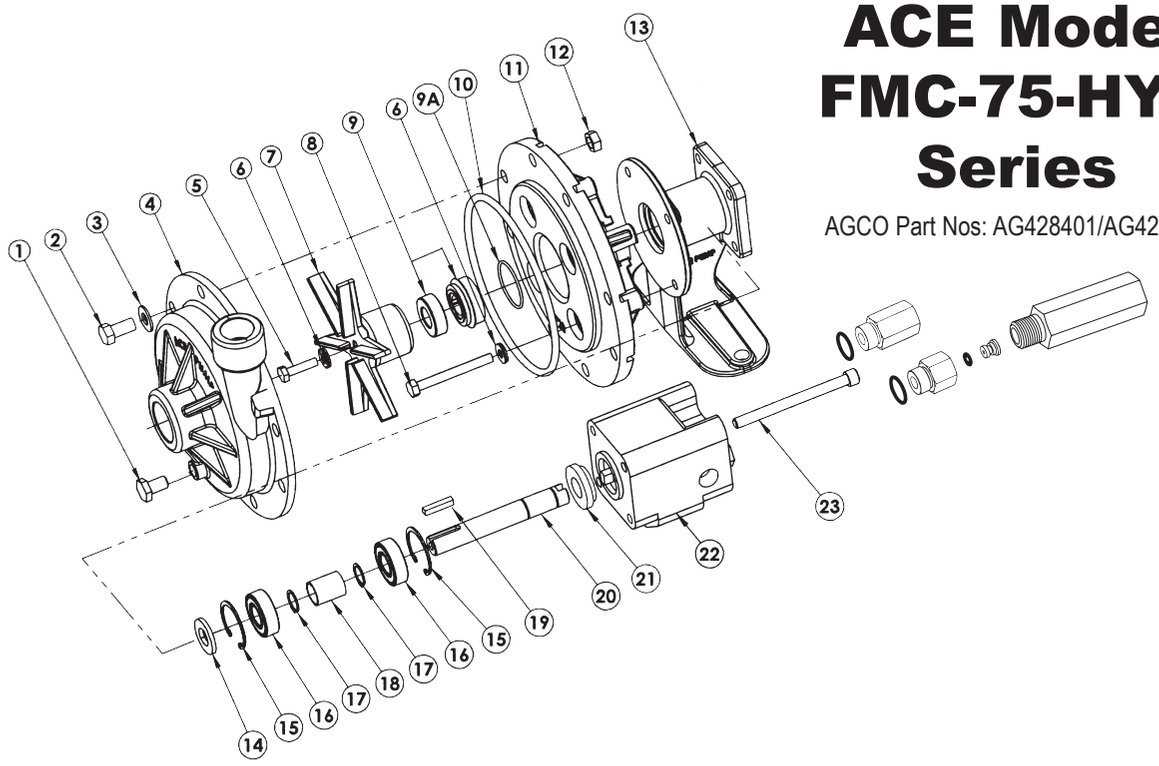


Ref	Part	Description
1	AG000023	Pipe Plug 1/8" - NPT
2	AG000023	Volute 1-1/4 x 1"
3	AG000036	Nut 3/8" Hex Stainless Steel
4	AG058969	Washer Stainless Steel
5	AG008547	Impeller Valox
5	AG000043	Impeller Cast Iron
6	AG000015	Seal Viton® - Standard
6	AG000012	Seal Buna
6	AG009556	Seal Silicone Carbide - Optional
6A	AG000016	O-ring - Shaft
7	AG000003	Gasket 4 Holes (used prior to 1996)
7	AG057210	O-ring Seal (used after 1996)
8	AG000028	204/210 Frame
8	AG007650	310/304 Frame
9	AG000071	Screw 3/8" x 3/4"
10	AG000080	Slinger
11	AG000060	Snap Ring - Internal
12	AG000355	Bearing - 2 Required
13	AG000058	Snap Ring - External
14	AG050603	Spacer
15	AG000041	Key 1/8" x 1/8"
16	AG000008	Shaft
16	AG002738	Shaft Stainless Steel - Optional

Ref	Part	Description
17	AG000087	Model 204 Motor 4 GPM
17	AG000088	Model 210 Motor 10 GPM
18	AG059177	Seal Support Spacer for 200 Series
18	AG060209	Seal Support Spacer for 300 Series
19	AG426719	Model 204 Motor 4 GPM (motor only)
19	AG426721	Model 210 Motor 10 GPM (motor only)
19	AG000184	Model 310 Motor 16 GPM (motor only)
20	AG426722	Cap screw for 204N motor
20	AG426724	Cap screw for 210N motor
21	AG426725	O-ring
22	AG426726	Reverse check valve
23	AG426727	Adapter, Restrictor body
24	AG426728	O-ring
25	AG426729	Orifice, Restrictor 204N
25	AG426730	Orifice, Restrictor 206N/210N
26	AG427089	Flow Limiter LS-204N
26	AG427091	Flow Limiter LS-210N
	AG426624	FMC Pump Repair Kit - Viton®
	AG727012	FMC Pump Repair Kit - Silicon Carbide
	AG058721	Repair Kit for 200-L Series Motor
	AG058720	Repair Kit for 310 Motor
	AG000140	Repair Kit for Old-Style Quad Seals

ACE Model FMC-75-HYD Series

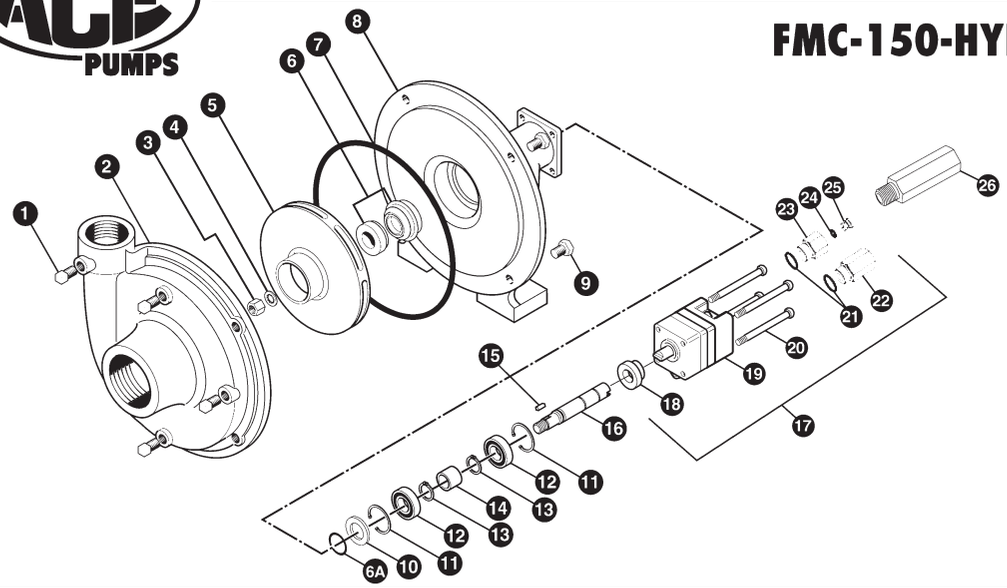
AGCO Part Nos: AG428401/AG428402



REF. #	VPN	AGCO No.	DESCRIPTION	REQ.
1	41109	-	Pipe plug, 1/8" NPT, plastic	1
2	80250	-	Cap screw, 3/8"-16 x 7/8", hex head	8
3	42701	-	Washer, 3/8" flat	8
4	42700	-	Volute, 3/4" x 1", polypropylene	1
5	42240	-	Cap screw, 1/4"-28 x 1", hex, stainless steel	1
6①②	30028	-	Washer, sealing	5
7	42710	-	Impeller, with keyway, polypropylene	1
8	42238	-	Cap screw, 5/16"NF x 2-1/4"	4
9①	42730	-	Seal, 5/8" , Viton®/carbon/ceramic	1
9②	42731	-	Seal, 5/8" , Viton®/silicon carbide (optional)	1
9A①②	40159	-	"O" Ring, seal seat	1
10①②	40017	-	"O" Ring, volute seal	1
11	42720	-	Bracket, polypropylene	1
12	41010	-	Nut, hex, 3/8"	8
13	40293	-	Mounting frame (for BAC-75-HYD-204R, 206R hydraulic motor)	1
14	41130	AG000080	Slinger	1
15	40810	AG000060	Snap ring, internal, BAC-14 mounting frame	2
16	40870	AG000066	Bearing, BAC-6 driven shaft	2
17	40790	AG000058	Snap ring, external, BAC-6 driven shaft	2
18	40795	AG050603	Spacer for BAC-6 shaft	1
19	41082	-	Key, 3/16" x 3/16" x 15/16"	1
20	40048	-	Shaft, 5/8" Driven shaft with tang slot, stainless steel	1
21	40161	AG059177	Seal support spacer for 200 series hydraulic lip seal	1
22	41437	-	Hydraulic motor, 4 GPM	1
22	41438	-	Hydraulic motor, 7 GPM	1
23	41253	AG426722	Cap screw, 5/16" NC x 3 1/2" socket head (for 204 motor)	4
23	41255	AG426723	Cap screw, 5/16" NC x 3 3/4" socket head (for 206 motor)	4
24	41875	AG426725	O-ring, #8 SAE fitting	2
25	41441	AG426726	Reverse check assembly, #8 SAE male x 1/2" NPT female	1
26	41455	AG426727	Body, restrictor orifice, #8 SAE male x 1/2" NPT female	1
27	41448	AG426728	O-ring, orifice insert	1
28	41457	AG426729	Orifice, restrictor insert, .078 (204)	1
28	41456	AG426730	Orifice, restrictor insert, .109 (206)	1
29	41417	AG427089	Flow limiting valve (204), #8 SAE male x 1/2" NPT female	1
29	41418	AG427090	Flow limiting valve (206), #8 SAE male x 1/2" NPT female	1
①	60840	-	Repair kit for FMC-75-HYD series	-
②	60841	-	Repair kit for FMC-75-HYD series with silicon carbide shaft seal	-
*	43174	AG058721	Repair kit for 200 series motor	-

To find your nearest dealer or to order, go to parts.agcocorp.com

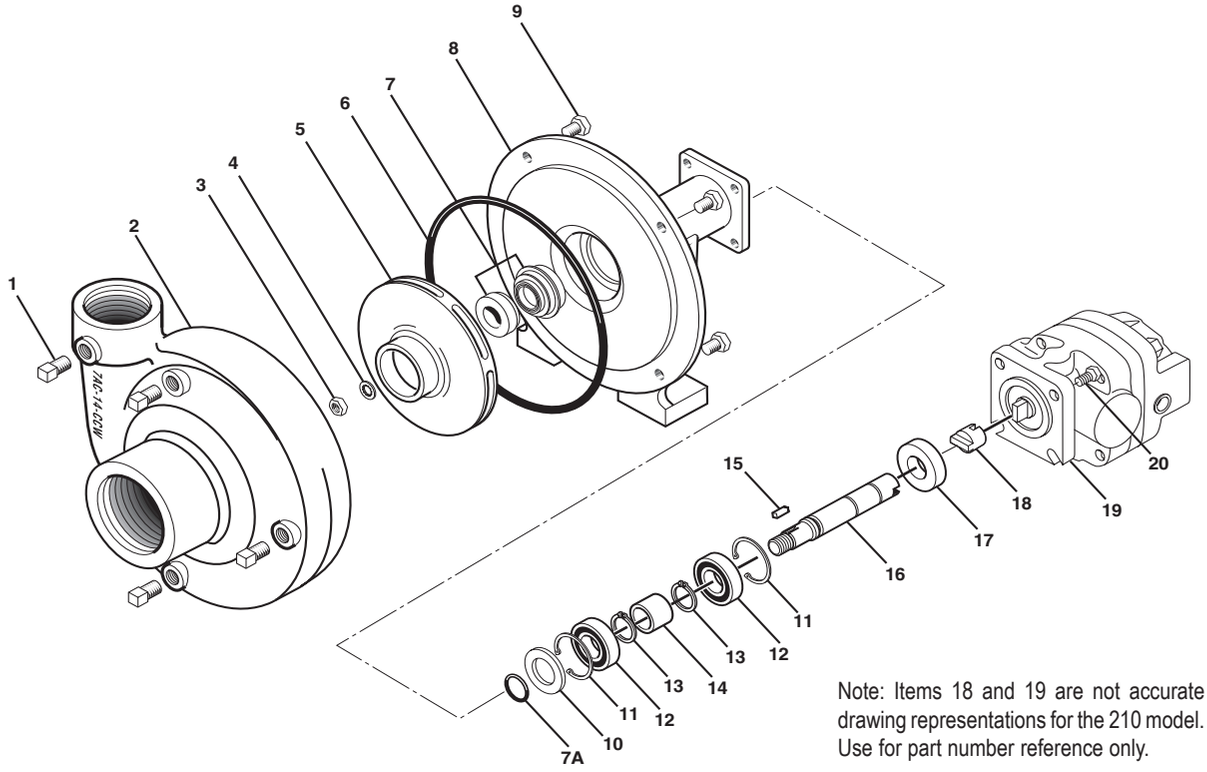
FMC-150-HYD-206



AGCO PART #	REF. #	PART NUMBER	EDP #	DESCRIPTION	REQ.
333071	1	BAC-53	41110	Pipe plug	4
333072	1	41120	41120	Pipe plug, stainless steel (optional)	4
0511449	2	BAC-12-150	40255	Volute, 1-1/2" x 1-1/4"	1
333073	3	BAC-23-A	40391	Nut, 3/8" NF, clad-plated	1
NA	3	BAC-23-A-SS	40392	Nut, 3/8" NF, stainless steel (optional)	1
058969	4①②	BAC-24-HYD-SS	40400	Washer, 3/8" star, stainless steel	1
057116	5	BAC-26-150-P	40446	Impeller, Valox, keyway	1
051596	5	BAC-26-150-CI	40445	Impeller, cast iron, keyway (optional)	1
051306	6①	BAC-7V	40151	Seal, carbon/ceramic/Viton® (includes 40160 O-ring)	1
009556	6②	BAC-7SC	40152	Seal, silicon carbide/Viton® (includes 40160 O-ring) (optional)	1
000016	6A①②	40160	40160	O-ring, shaft seal	1
051592	7①②	BAC-4-150	40015	O-ring, body seal	1
051614	8	BAC-14-150-HYD	40305	Mounting frame (for 200 Series hydraulic motor)	1
333074	9	40950	40950	Cap screw, 3/8" NC x 3/4" hex head	4
000071	9	40930	40930	Cap screw, 3/8" NC x 3/4" hex head, stainless steel (optional)	4
000080	10	BAC-54	41130	Slinger	1
000060	11	BAC-33	40810	Snap ring, internal, BAC-14 mounting frame	2
000066	12	BAC-37	40870	Ball bearing, sealed, BAC-6 shaft	2
000058	13	BAC-32	40790	Snap ring, external, BAC-6 shaft	2
050603	14	BAC-32-S	40795	Spacer for BAC-6 shaft	1
000041	15	BACH-25	40420	Key, 1/8" x 1/8" x 1/2"	1
002738	16	BAC-6-HYD-SS	40061	Shaft, 5/8" diameter, keyway and tang slot, stainless steel	1
051613	17	BAC-75-HYD-206	41372	Hydraulic motor, 7 GPM (includes parts 18 - 25)	1
059177	18	S200	40161	Seal support spacer for 200 Series HYD motor	1
426720	19	BAC-75-HYD-206N	41397	Hydraulic motor, 7 GPM (motor only - no external fittings)	1
426723	20	41255	41255	Cap screw, 5/16" N.C. x 3-3/4" socket head (for 206N motor)	4
426725	21	41875	41875	O-ring, #8 SAE fitting	2
426726	22	BAC-78-8SAE	41441	Reverse check valve, #8 SAE male x 1/2" NPT female	1
426727	23	BAC-80-8SAE	41455	Adapter, restrictor body, #8 SAE male x 1/2" NPT female	1
426728	24	41448	41448	O-ring, orifice insert	1
426730	25	BAC-79-7	41456	Orifice, restrictor insert, .109 (206N)	1
427090	26	LS-206N	41418	Flow limiting valve (206N), #8 SAE male x 1/2" NPT female	1
052459	①	RK-FMC-150	52710	Repair kit for FMC-150 series pump	-
058134	②	RK-FMCSC-150	52711	Repair kit for FMC-150 series with silicon carbide shaft seal	-
058721	#	RK-BAC-75-HYD-L	41374	Repair kit for 200 Series motor with high-pressure lip seal	-

Ace Pumps

Model FMC-200-HYD-210: AGCO Part No. 000161
Model FMC-200-HYD-304: AGCO Part No. 054349
Model FMC-200-HYD-310: AGCO Part No. 000162



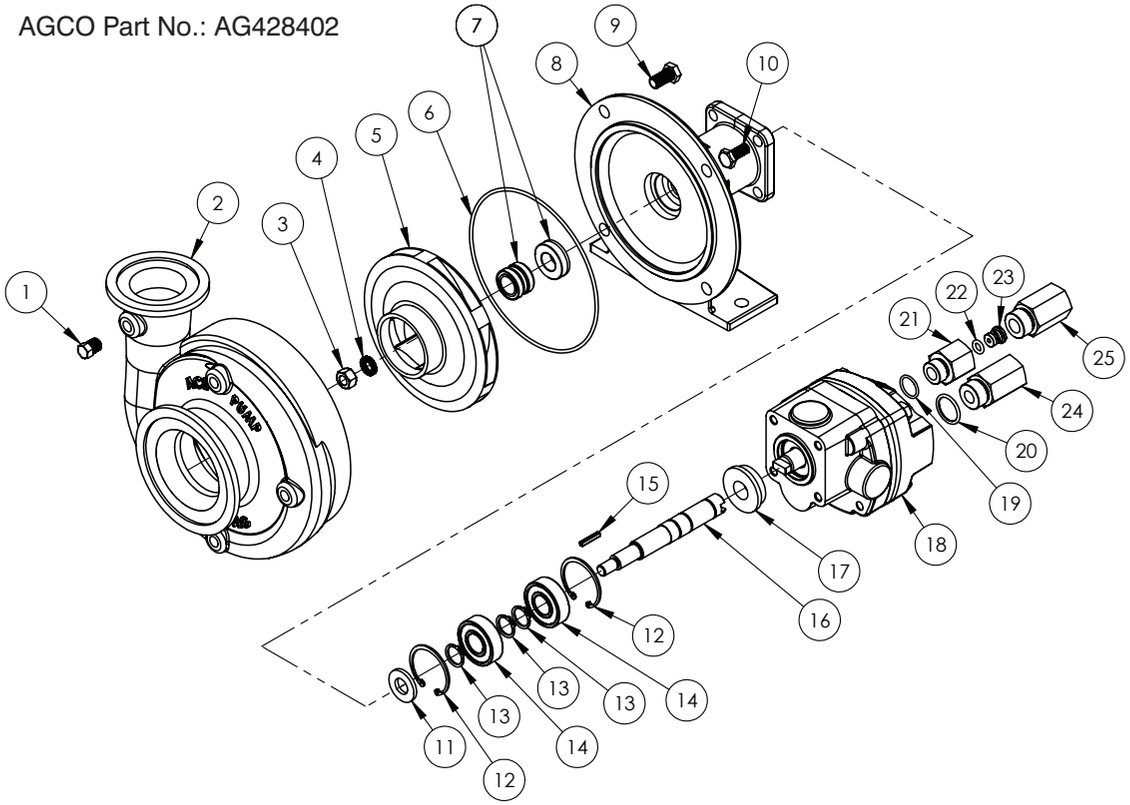
Note: Items 18 and 19 are not accurate drawing representations for the 210 model. Use for part number reference only.

Ref. No.	Qnty Req'd	AGCO No.	Description
1	4	333071	Pipe plug, 1/8" NPT
1	4	333072	Pipe plug, 1/8" NPT, stainless steel (opt)
2	1	000180	Volute, 2"x1-1/2", cast iron
3	1	333073	Nut, 3/8" NF, cad plated locknut
4	1	058969	Washer, 3/8" star, stainless steel
5	1	000097	Impeller, cast iron, with keyway
6	1	057210	O-ring, body seal
7	1	000015	Seal, mechanical, Viton® (inc. 40160 O-ring)
7	1	009556	Seal, mechanical, Silicon Carbide (includes 40160 O-ring) (opt)
8	1	000028	Mounting frame (for 200 series hydraulic motor)
8	1	007650	Mounting frame (for 300 series hydraulic motor)
9	4	333074	Cap screw, 3/8" NC x 3/4" hex head (for 304/310 motors)
9	4	000071	Cap screw, 3/8" NC x 3/4" hex head, stainless steel (opt.)
10	1	000080	Slinger
11	2	000060	Snap ring, internal, BAC-14 mounting frame
12	2	000066	Ball bearing, sealed, BAC-6 shaft

Ref. No.	Qnty Req'd	AGCO No.	Description
13	2	000058	Snap ring, external, BAC-6 shaft
14	1	050603	Spacer for BAC-6 shaft
15	1	000041	Key, 1/8" x 1/8" x 1/2"
16	1	000008	Shaft, 5/8" diameter, keyway and tang
16	1	002738	Shaft, 5/8" diameter, keyway and tang, s.s. (opt)
17	1	060209	Seal support spacer
18	1	000089	Coupling for hydraulic motor
19	1	000088	Hydraulic motor 8GPM
19	1	055358	Hydraulic motor 10GPM
19	1	000184	Hydraulic motor 16GPM
20	4	-	Cap screw for 210 motor
20	4	-	Cap screw for 304/310 motor
#	1	426624	Repair kit for FMC Series
#	1	000139	Repair kit for 210 motor
#	1	055359	Repair kit for 304 motor
	1	000140	Repair kit for 310 motor

FMCSC-205F-HYD-304

AGCO Part No.: AG428402

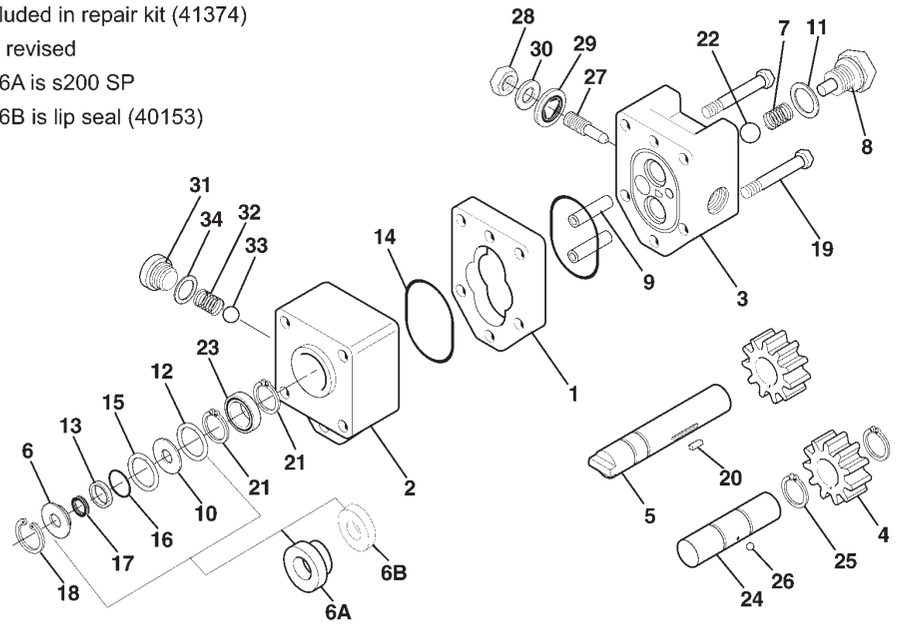


REF. #	VPN	AGCO No.	DESCRIPTION	REQ.
1	41110	AG333071	Pipe plug	4
1	41120	AG333072	Pipe plug, stainless steel (-FS model)	4
2	41530	AG427703	Volute, 300 standard flange x 220 full port flange, cast iron	1
2	41532	-	Volute, 300 flange x 220 flange, 316 stainless steel (-FS model)	1
3	40393	-	Nut, 3/8" NF, stainless steel	1
4	42702	-	Washer, 3/8", stainless steel, self-locking	1
5	40434	AG058875	Impeller, thermoplastic	1
5	40433	AG060174	Impeller, cast iron (optional)	1
5	40436	-	Impeller, 316 stainless steel (-FS model) (optional)	1
6①	40005	AG0527210	O-ring, body seal	1
7①	40149	-	Seal, silicon carbide	1
8	40338	-	Mounting frame for 205 pump	1
8	40346	-	Mounting frame for 205 pump, 316 stainless steel (-FS model)	1
9	40950	AG333074	Cap screw, 3/8" NC x 3/4" hex head	4
9	40930	AG000071	Cap screw, 3/8" NC x 3/4" hex head, stainless steel (-FS model)	4
10	41330	-	Cap screw, 5/16" NC x 3/4" hex head, motor to pump	4
11	41130	AG000080	Slinger	1
12	40820	AG000061	Snap ring, internal, BAC-14-205 mounting frame	2
13	40835	-	Snap ring, external, BAC-6-205 shaft	3
14	40880	AG000067	Ball bearing, sealed, BAC-6-205 shaft	2
15	40068	-	Shaft, extended keyway, tang, stainless steel	1
16	40425	-	Key, 1/8" x 1/8" x 13/16", extended keyway	1
17	40163	-	Seal support spacer for 205 series pump	1
18	41343	-	Hydraulic motor, 11 GPM, effective 5/13	1
18	41348	-	Hydraulic motor, 11 GPM, PWM	1
19	41875	AG426725	O-ring, #8 SAE fitting	1
20	41445	-	O-ring, #10 SAE fitting	1
21	41455	AG426727	Body, restrictor orifice, #8 SAE x 1/2" NPT	1
22	41448	-	O-ring, orifice insert	1
23	41447	-	Orifice insert, restrictor insert, 0.125	1
24	41442	-	Reverse check assembly, #10 SAE x 1/2" NPT	1
24	41467	-	Reverse check assembly, #10 SAE x #10 SAE (PWM)	1
25	41429	-	Flow limiter (optional)	1
①	52705	-	Repair kit for FMC-205 pump with silicon carbide shaft seal	-
#	41362	AG058720	Repair kit for 300 Series hydraulic motor	-

Ace Model BAC-75-HYD-200 Series Motors

Note: Older motors prior to 2006

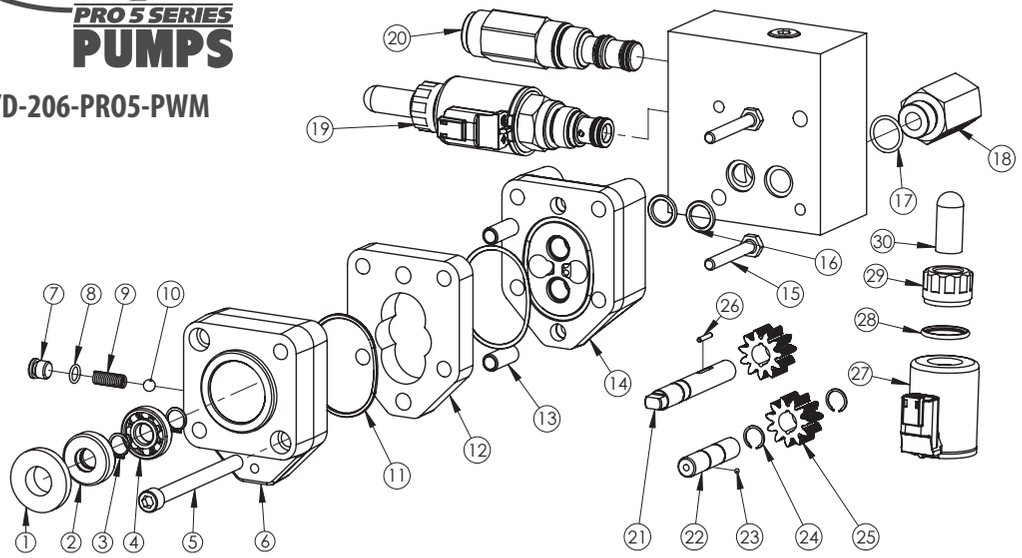
Both included in repair kit (41374)
Drawing revised
059177 6A is s200 SP
058163 6B is lip seal (40153)



Ref.#	Qnty Req'd	Model-204	AGCO NO.	Model-206	AGCO NO.	Model 210	AGCO NO.	Description
1	1	41720	000103	41721	426748	41725	426749	Housing
2	1	41731	841478	41731	841478	41731	841478	Drive plate
3	1	71740	000186	41740	000186	41740	000186	End plate
4	2	41750	000104	41751	-	41755	000105	Gear
5	1	41761	000107	41764	054278	41766	000109	Straight drive shaft
6	1	41770	000164	41770	000164	41770	000164	Steel seal retainer
6A	1	40153	058163	40153	058163	40153	058163	Seal cartridge
7	1	41780	006222	41780	006222	41780	006222	Spring for reverse flow check
8	2	41790	005792	41790	005792	41790	005792	Check valve cap
9	1	41800	005562	41805	426750	41805	005369	Dowel pin for housing
10	1	41810	005369	41810	005369	41810	005791	Steel backup washer
11	1	41820	005791	41820	005791	41820	005218	Nylon washer
12	1	41830	005218	41830	005218	41830	000205	Wire ring bearing spacer
13	2	41840	000205	41840	000205	41840	000205	Quad ring shaft seal collar
14	1	41850	000176	41850	000176	41850	000176	O-ring, housing seal
15	1	41860	000177	41860	000177	41860	000177	O-ring, seal retainer
16	1	41870	000178	41870	000178	41870	000178	O-ring, seal collar
17	1	41880	002733	41880	002733	41880	002733	Quad ring shaft seal
18	2	41890	000165	41890	000165	41890	000165	Shaft seal retaining ring
19	1	41900	426751	41900	426751	41905	426752	1/4" N.C. hex head cap screw
20	2	41920	005073	41921	056172	41925	843373	Dowel pin for drive shaft
21	1	41941	000202	41941	000202	41941	000202	Snap ring
22	1	41950	005790	41950	005790	41950	005790	Ball
23	1	41961	000206	41961	000206	41961	000206	Ball bearing 7/16" I.D.
24	2	41970	000111	41971	426753	41975	051957	Idler shaft
25	1	41980	050036	41980	050036	41980	050036	Retaining ring
26	1	41990	005567	41990	005567	41990	005567	Ball for idler shaft
27	1	42010	000171	42010	000171	42010	000171	Needle valve adjusting screw
28	1	40960	000073	40960	000073	40960	000073	3/8" N.C. thread seal
29	1	42030	000113	42030	000113	42030	000113	#7500 3/8" N.C. thread seal
30	1	42040	000172	42040	000172	42040	000172	Flat steel back up washer
31	1	42041	006773	42041	006773	42041	006773	Seal check cap
32	1	42042	006772	42042	006772	42042	006772	Spring for seal check
33	1	42043	006771	42043	006771	42043	006771	Ball for seal check
34	1	42044	-	42044	-	42044	-	O-ring for seal check cap

ACE PRO 5 SERIES PUMPS

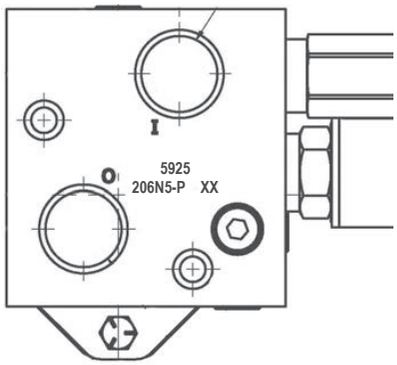
BAC-75-HYD-206-PRO5-PWM



PARTS LIST

REF. #	PART NUMBER	EDP #	AGCO #	DESCRIPTION	REQ.
1	S255	40177	ACP0644420	Seal support spacer	1
2①	BAC-75-200-TLS	40153	AG058163	Seal cartridge	1
3	41941	41941	AG000202	Snap ring, bearing	2
4	41961	41961	AG000206	Ball bearing, 7/16" I.D.	1
5	41256	41256	ACP0644460	Cap screw, 5/16" N.C.x 3.5" socket head	2
6	41736	41736	ACP0644500	Drive plate, 200-PRO5 series motors	1
7	42041	42041	AG006773	Valve cap, coasting check	1
8①	42044	42044	AG060097	O-ring, coasting check	1
9	42042	42042	AG006772	Spring, coasting check	1
10	42043	42043	AG006771	Ball, coasting check	1
11①	41850	41850	AG000176	O-ring, housing seal	2
12	41721	41721	AG426748	Gear housing	1
13	41801	41801	ACP0644540	Dowel pin, housing	2
14	41746	41746	ACP0644510	End plate, 200-PWM series motors	1
15	41900	41900	AG426751	Cap screw	2
16	74209	74209		O-ring, port sealing, manifold to motor	2
17	41875	41875	AG426725	O-ring, #8 SAE male fitting	2
18	BAC-78-10X8 SAE	41462		Reverse check, #8 SAE male x #10 SEA female	1
19	PWM-18-PRO-6	74222		Valve assembly, 12V proportional	1
20	PWM-18-PRV-11	74210		Valve assembly, pressure reducing	1
21	41764	41764	AG054278	Drive shaft	1
22	41971	41971	AG426753	Idler shaft	1
23	41990	41990	AG005567	Ball, idler shaft	1
24	41980	41980	AG050036	Retaining ring, idler gear	2
25	41751	41751	AG058088	Gear	2
26	41921	41921	AG056172	Dowel pin, drive shaft	1
27	74225	74225	ACP0644560	Coil, 12V for PWM-18-PRO-6 and -11	1
28	41445	41445	ACP0644480	O-ring, coil nut	1
29	74230	74230	ACP0644570	Nut, coil retainer for PWM-18-PRO-6 -11	1
30	74235	74235	ACP0644580	Protector, manual override, PWM-18-PRO-6 -11	1
*	BAC-75-HYD-206-PRO5-P	41219		Motor less manifold, 206-PRO5-PWM, includes 1-15 & 21-26	-
*	PWM-1-206	74201	ACP0644550	Manifold assembly, 206-PWM, includes 16 - 20	-
①	RK-BAC-75-HYD-L	41374	AG058721	Motor repair kit	-

MOTOR IDENTIFICATION



PWM HYDRAULIC INFO

There are three general types of hydraulic systems:
1) Load Sensing (LS), also known as Pressure-Flow Compensating (PFC) Closed Center
2) Pressure Compensating Closed Center (PC)
3) Open Center (OPEN)

This product is designed to operate on both Closed Center Hydraulic Systems. It should not be used with Open Center systems. Please consult the Tractor Hydraulic System Pump Selection Guide(HSG), Internet Hydraulic Selection Guide (IHSG) at www.AcePumps.com, or your tractor dealer to determine your tractor's hydraulic system.

The two valve design limits the maximum oil flow to the motor and prevents overspeeding. The Restrictor Orifice and Flow Limiter are not needed with this product.

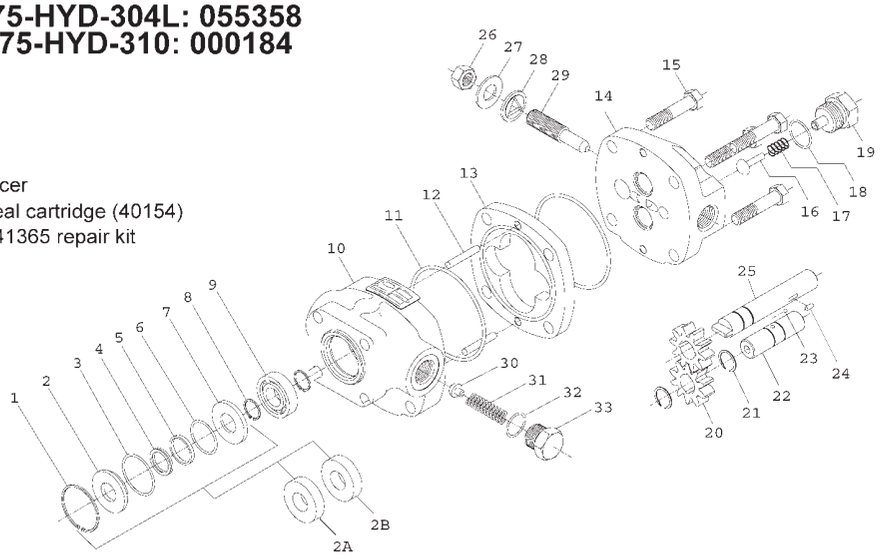
All PWM controllers are slightly different in the terminology used and setup procedures. Please consult your controller documentation or their technical service department for additional assistance with your specific application and implement in use.

Ace Form # HYD-200-PRO5 SERIES
9/20

Ace Model BAC-75-HYD-300 Series Motors

BAC-75HYD-304: 055358
BAC-75-HYD-304L: 055358
BAC-75-HYD-310: 000184

Drawing Revised
060209 2A is spacer
058162 2B Lip seal cartridge (40154)
Both included in 41365 repair kit

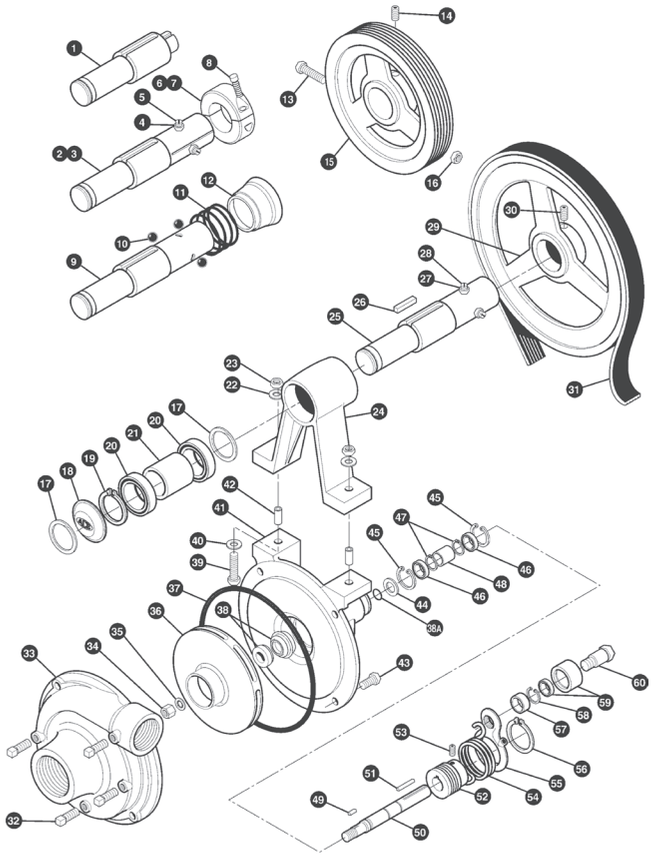


REF#	Qty Req'd	VPN 304/304L	AGCO No.	VPN 310	AGCO No.	Description
1	1	43175	-	43170	051289	Retaining ring, shaft seal
2	1	43051	-	43050	051288	Steel seal retainer
3A (2)	1	40154	058162	-	-	Hydraulic seal cartridge for -304L (replaces REF# 2-7)
3 (1)	1	43141	-	43140	000169	O-ring, seal retainer
4 (1)	1	43161	-	43160	000179	Quad ring shaft seal
5	1	43125	-	43120	843893	Collar, quad ring shaft seal
6 (1)	1	43151	-	43150	000170	O-ring, seal collar
7	1	43095	-	43090	000209	Backup washer
8	2	43205	-	43200	005523	Retaining ring, bearing
9	1	43225	-	43220	009527	Ball bearing
10	1	43015	-	43010	055477	Drive plate
11 (1)(2)	2	43130	000168	43130	000168	O-ring, housing seal
12	2	43085	-	43080	-	Dowel pin, housing
13	1	43005	-	43000	-	Gear housing
14	1	43020	-	43020	-	End plate
15	4	43185	-	43180	-	Cap screw, 3/8" N.C. hex head
16	1	43210	058097	43210	058097	Plunger, reverse flow check
17	1	43060	058099	43060	058099	Spring, reverse flow check
18	1	43290	058100	43290	058100	O-ring, reverse flow check
19	1	43070	058101	43070	058101	Valve cap, reverse flow check
20	2	43035	-	43030	-	Gear
21	2	43240	055867	43240	055867	Retaining ring, gear
22	1	43235	-	43230	-	Idler shaft
23	1	43255	-	43250	-	Ball, idler shaft
24	1	43195	-	43190	052728	Dowel pin, drive shaft
25	1	43045	-	43040	005526	Drive shaft
26	1	43270	009128	43270	009128	Hex nut, needle valve
27	1	43292	000204	43292	000204	Flat steel backup washer, needle valve
28 (1)(2)	1	43291	000203	43291	000203	1/2" thread seal, needle valve
29	1	43260	009129	43260	009129	Adjusting screw, needle valve
30	1	43300	-	-	-	Plunger, coasting check
31	1	43305	-	-	-	Spring, coasting check
32 (1)(2)	1	43310	-	-	-	O-ring, coasting check
33	1	43315	-	-	-	Valve cap, coasting check
(1)	-	041361	055359	041379	000140	Motor repair kit, RK-BAC-75-HYD-304 or -310
(2)	-	041365	058165	-	-	Motor repair kit, RK-BAC-75-HYD-300L

High-Performance PTO Belt-Driven Pump Repair Parts

Notes: * = Pumps with green logo on name plate should use bearings AG512540 and spacer AG052334.
Pumps with red name plate must use bearings 832628M1 and spacer AG000069.

PTOC-150



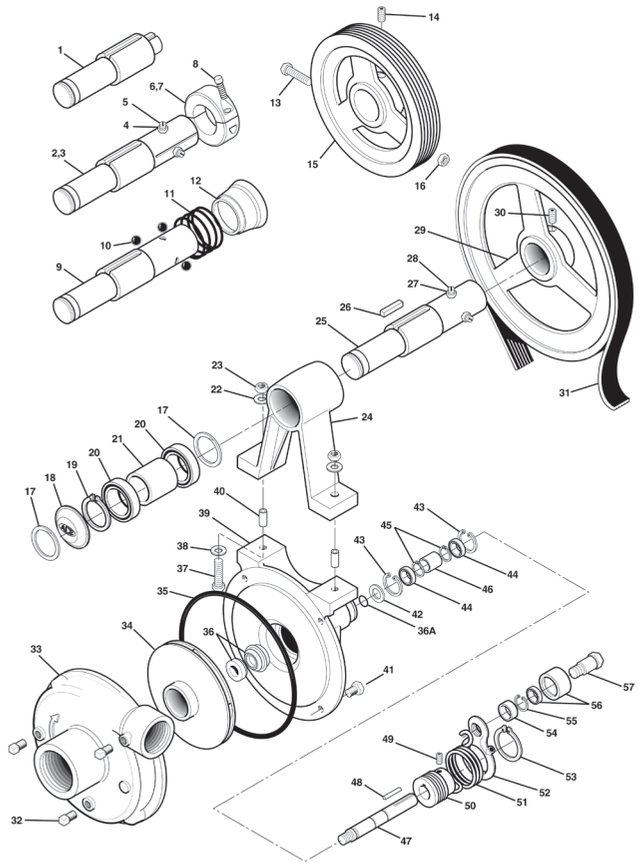
Ref	Part	Description
1	AG000018	Shaft, 1" Stub
2	AG005576	Shaft, 1-3/4", 20 Spline
3	AG000021	Shaft, 1-3/8", 21 Spline
4	AG561659	Jam Nut 204/206/210
5	AG000072	Set Screw
6	AG005228	Split Ring Lock, 21 Spline
8	AG005920	Set Screw
9	AG000020	Shaft, 1-3/8", 6 Spline, QC
10	AG000092	Ball, QC
11	AG000091	Spring, QC
12	AG008548	Sleeve, QC
14, 30	AG000085	Set Screw
15	AG051604	Pulley, 7.94", 1,000 RPM, 1-3/8"
17	AG000062	Snap Ring

Ref	Part	Description
18	AG054461	Name Plate, 1,000 RPM, 21 Spline
18	AG054460	Name Plate, 1,000 RPM, 20 Spline
18	AG051597	Name Plate, 600 RPM
19	AG000063	Snap Ring
20	AG512540	Bearing Pump Side
21	AG052334	Spacer*
24	AG000032	Housing
25	AG000019	Shaft, 1-3/8", 6 Spline
26	AG000078	Key, 3/8"
29	AG051602	Pulley, 11.6", 600 RPM
31	AG051599	Belt 600 RPM, 10 groove
31	AG051600	Belt 1,000 RPM, 10 groove
32	AG551627	Pipe Plug 1/8" - NPT
33	AG051449	Volute - Standard
34	AG000036	Nut 3/8" Hex Stainless Steel
35	AG058969	Washer Stainless Steel
36	AG057116	Impeller, Valox
36	AG051596	Impeller - Cast Iron - Optional
37	AG051592	O-ring
38	AG000015	Seal Viton® - Standard
38	AG009556	Seal Silicone Carbide - Optional
38	AG000012	Seal Buna
38A	AG000016	O-ring - Shaft
41	AG051595	Mounting Frame
42	AG059439	Alignment Pin
43	AG000071	Screw 3/8" x 3/4"
44	AG000080	Slinger
45	AG000060	Snap Ring - Internal
46	6610653	Bearing (2 Required)
47	AG000058	Snap Ring - External
48	AG050603	Spacer
49	AG000041	Key 1/8" x 1/8"
50	AG051593	Shaft, Standard
50	AG051594	Shaft, Stainless Steel, Optional
51	AG000077	Key, 3/16"
52	AG051601	Pulley, 1.35", 600 RPM
52	AG009008	Pulley, 1-1/2"
54	AG055995	Idler Spring
55	AG000025	Idler Arm
56	AG000064	Snap Ring
57	AG000074	Spacer
58	AG000076	Retainer Ring
59	AG000081	Roller Assembly
60	AG000075	Cap Screw, 5/8" x 2-1/8"
	AG055057	Belt Guard Kit
	AG052771	Pump End Only

PTO Belt-Driven Pump Repair Parts

Notes: * = Pumps with green logo on name plate should use bearings no. AG512540 and spacer no. AG052334. Pumps with red name plate must use 832628M1 bearings and AG000069 spacer.

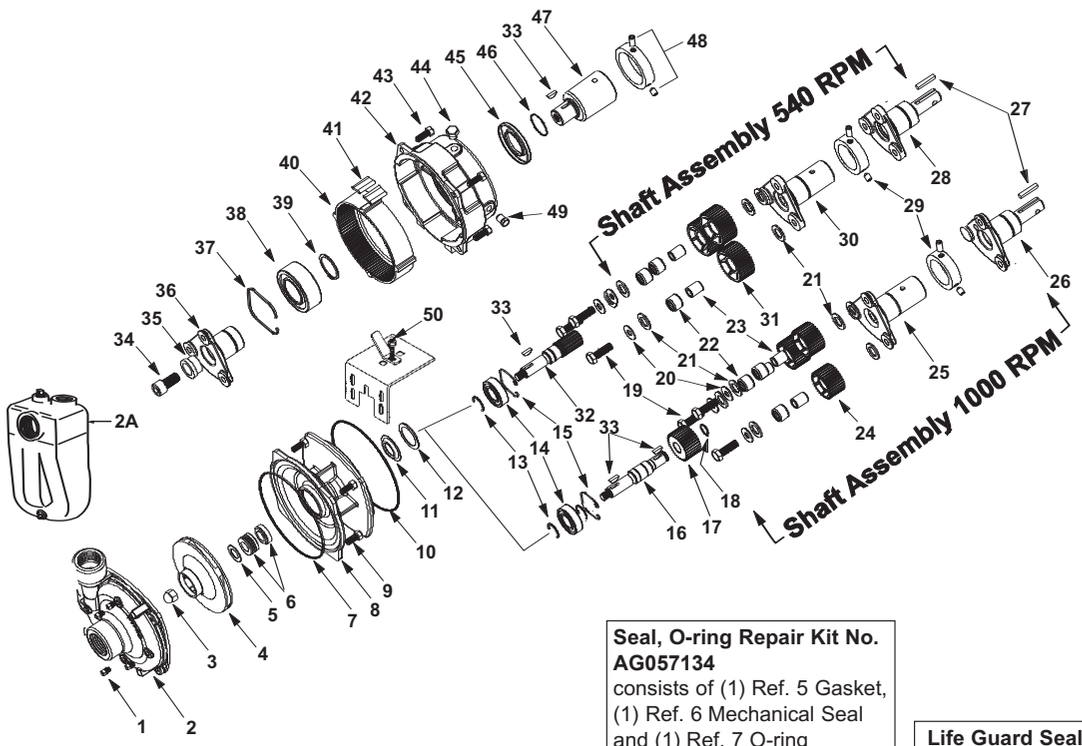
PTOC



Ref	Part	Description
1	AG000018	Shaft, 1" Stub
2	AG005576	Shaft, 1-3/4", 20 Spline
3	AG000021	Shaft, 1-3/8", 21 Spline
5 & 28	AG000072	Set Screw
6	AG005228	Split Ring Lock, 21 Spline
8	AG005920	Set Screw
9	AG000020	Shaft, 1-3/8", 6 Spline, QC
10	AG000092	Ball, QC
11	AG000091	Spring, QC
12	AG008548	Sleeve, QC
15	AG000056	Pulley, 1,000 RPM

Ref	Part	Description
17	AG000062	Snap Ring
18	AG000045	Name Plate
19	AG000063	Snap Ring
20*	AG512540	Bearing Pump Side
21	AG052334	Spacer*
21	AG000069	Spacer*
24	AG000032	Housing
24	AG000035	Housing Base Mount
25	AG000019	Shaft, 1-3/8", 6 Spline
26	AG000078	Key, 3/8"
29	AG000055	Pulley, 540 RPM
31	AG561659	Jam Nut 204/206/210
31	AG000048	Belt, 540, 10-Groove
31	AG000049	Belt, 1,000, 10-Groove
31	AG000046	Belt, 540, 8-Groove (Obsolete)
31	AG000047	Belt, 1,000, 8-Groove (Obsolete)
32	AG551627	Pipe Plug 1/8" - NPT
33	AG000023	Volute 1-1/4" x 1"
34	AG008549	Impeller, Valox, Standard
34	AG000042	Impeller, Cast Iron, Optional
35	AG057210	O-ring Seal (effective 1996)
35	AG000003	Gasket 4 Holes (used prior to 1996)
36	AG000015	Seal Viton® - Standard
36	AG009556	Seal Silicone Carbide - Optional
36A	AG000016	O-ring - Shaft
39	AG000027	Mounting Frame
40	AG059439	Alignment Pin
42	AG000080	Slinger
43	AG000060	Snap Ring - Internal
44	6610653	Bearing (2 Required)
45	AG000058	Snap Ring - External
46	AG050603	Spacer
47	AG000007	Shaft, Standard
47	AG000009	Shaft, Stainless Steel, Optional
48	AG000077	Key, 3/16"
50	AG009008	Pulley, 1-1/2"
51	AG000005	Idler Spring
52	AG000025	Idler Arm
53	AG000064	Snap Ring
54	AG000074	Spacer
55	AG000076	Retainer Ring
56	AG000081	Roller Assembly
57	AG000075	Cap Screw, 5/8" x 2-1/8"
	AG000200	Belt Guard Kit
	AG000207	Pump End Only

All 9000C Series



Seal, O-ring Repair Kit No. AG057134 consists of (1) Ref. 5 Gasket, (1) Ref. 6 Mechanical Seal and (1) Ref. 7 O-ring

Gear Lube Requirement: 6 oz. Phillube SAE 80W90 Oil

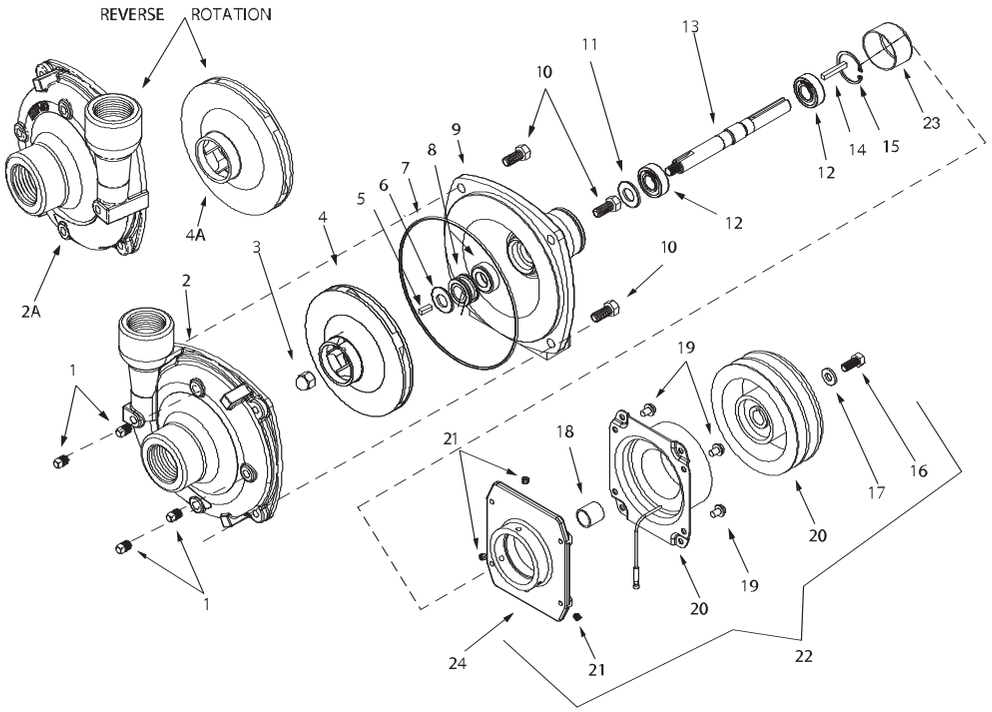
Life Guard Seal Kit No. 3430-0591 consists of Ref. 6 and Ref. 7

Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
1	4	2406-0007	006504	Drain Plug
2	1	0150-9000C	005696	Pump Casing (w / SS wear ring)
2A	1	3430-0480SP	055878	Pump Casing (self-priming units)
3	1	2253-0001	007653	Impeller Nut
4	1	0400-9000P	000267	Impeller (nylon)
5	1	1700-0101	053699	Gasket
6	1	2120-0010	000483	Mechanical Seal (optional Buna-N)
6	1	2120-0011	000484	Mechanical Seal (standard Viton®)
7	1	1720-0083	000338	O-ring
8	1	0752-9000C	051199	Mounting Flange Adapter
9	4	2210-0020	006500	Hex Head Capscrew
10	1	1720-0139	051213	O-ring
11	1	2130-0018	0537 1	Bearing Lip Seal
12	1	1700-0098	051214	Gasket
13	*	1810-0013	000345	Retaining Ring — (1) required for 540 rpm, (2) for 1-3/8" and (3) for 1-3/4" 1,000 rpm
14	1	2008-0001	000366	Ball Bearing
15	1	1820-0025	005898	Retaining Ring
16	1	0500-9002	000271	Impeller Shaft (1,000 rpm)
17	1	3900-0013	000475	Sun Gear (1,000 rpm)
18	1	1810-0011	000344	Retaining Ring (1,000 rpm)
19	3	2210-0046	007652	Hex Head Capscrew
20	3	2270-0003	005480	Washer
21	6	2265-0003	000385	Thrust Washer
22	3	2007-0052	--	Bearing (included with driver gear)
23	3	2007-0022	005695	Bearing Inner Race
24	3	3900-0040	051215	Driver Gear w/Bearing (1,000 rpm) 32 teeth, Dia. 2.13"

Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
25	1	0562-9002D	051202	Driver Hub (Model 9008C-O)
26	1	0501-9018D	051204	Driver Hub (Model 9018C-O)
27	1	1610-0005	--	Key
28	1	0501-9016D	051203	Driver Hub (Model 9016C-O)
29	1	3435-0058	--	Locking Collar Kit (hollow shaft)
30	1	0562-9000D	051201	Driver Hub (Model 9006C-O)
31	3	3900-0039	051200	Driver Gear w/Bearing (540 rpm) 39 teeth, Dia. 2.6"
32	1	3900-0010	000474	Impeller Shaft/Pinion Gear (540 rpm)
33	**	1610-0012	332127	Woodruff Key **(1) req'd for 540 rpm, (2) req'd. for 1,000 rpm models
34	1	2220-0035	--	Capscrew (Model 9028C)
35	1	2403-0012	--	Bushing (Model 9028C)
36	1	0501-9018D1	051205	Driver Hub (Model 9028C)
37	1	1800-0014	051206	Retaining Ring
38	1	2005-0002	000360	Ball Bearing
39	1	1810-0001	000343	Retaining Ring
40	1	3900-0009	000473	Ring Gear
41	8	1450-0004	000318	Cushion Bumper
42	1	0754-9000C	053709	Gear Casing
43	4	2210-0026	--	Hex Head Capscrew
44	1	2404-0193	052965	Breather Vent
45	1	2102-0025	051207	Oil Seal
46	1	1720-0022	053488	O-ring
47	1	0550-1322F4	--	Driver Hub (9028C) 1-3/4" Hub 20 Teeth
48	1	3430-0190	005522	Locking Collar Kit (Model 9028C)
49	4	2406-0019	--	Oil Plug
50	1	1520-0034	--	Mounting Clip

PENTAIR HYPRO

Pentair® Hypro™ Model 9203C
AGCO Part No. AG000213



Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
1	4	2406-0007	006504	Drain Plug
1	4	2406-0016	6661127	Drain Plug (316 SS)
2	1	0150-9000C	005696	Pump Casing (Cast)
2	1	0150-9000S	--	Pump Casing (SS)
2A	1	0152-9000C	055035	Pump Casing (Reverse, Cast)
2A	1	0152-9000S	--	Pump Casing (Reverse, SS)
3	1	2253-0002	005168	Impeller Nut (Cast)
3	1	2253-0006	6661125	Impeller Nut (SS)
4	1	0401-9100P	000268	Impeller (Nylon) Model 9203C
4	1	0402-9100P	006214	Impeller (Poly) Model 9203S
4A	1	0404-9100P	--	Impeller (Nylon) Model 9203C
4A	1	0403-9100P	053195	Impeller (Poly) Model 9203S
5	1	1610-0015	002476	Key (Cast)
5	1	1610-0044	6661126	Key (SS)
6	1	1700-0100	052854	Gasket (Cast)
7	1	1720-0083	000338	O-ring
8	1	2120-0008	000481	Mechanical Seal (Opt. Buna-N)
8	1	2120-0009	000482	Mechanical Seal (Std. Viton®-Cast)
8	1	3430-0589	122578	Mechanical Seal (Stainless) (Silicon Carbide)

Qty. No.	Req'd.	VPN	AGCO#	Description
9	1	0750-9200C3	002465	Mounting Flange (Cast)
9	1	0756-9200S	--	Mounting Flange (SS)
10	4	2210-0020	006500	Bolt (Cast)
10	4	2210-0125	--	Bolt (SS)
11	1	1410-0056	000313	Slinger Ring
12	2	2000-0010	6668162	Ball Bearing
13	1	0505-9200	000274	Pump Shaft
14	1	1610-0004	002471	Key
15	1	1820-0013	000349	Bearing Retainer
16	1	2210-0003	139427	Bolt
17	1	2270-0092	401463X1	Retaining Washer
18	1	1410-0107	--	Spacer
19	4	N/A	--	Bolt (part of clutch assembly) 1/4" x 3/8"
20	1	2526-0012	--	Clutch
21	3	2230-0001	009452	Set Screw
22	1	3430-0592	--	Clutch Kit
23	1	2300-0025	057487	Protective Cover
24	1	0753-9200C	--	Mounting Bracket

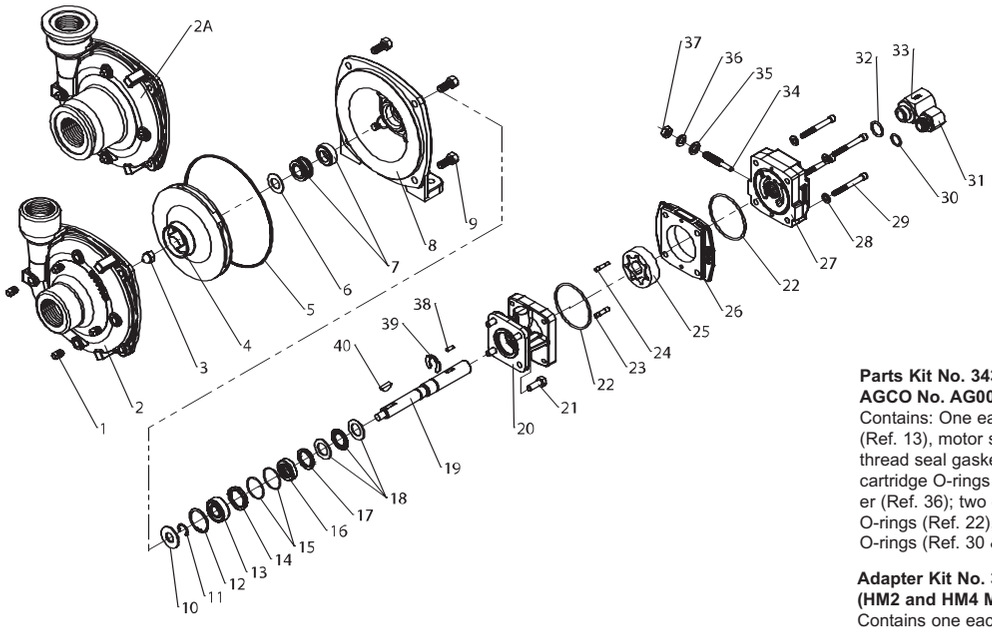
Seal Kit No. 3430-0332 (AGCO No. AG427039) for Cast Iron Series
Consists of: (1) each of Ref. 7 O-ring, Ref. 8 Mechanical Seal, and Ref. 6 Gasket.

Seal Kit No. 3430-0589 (AGCO No. AG122578) for Stainless Series
Consists of: (1) Ref. 7 O-ring and (1) Ref. 8 Mechanical Seal

For full Pump less Clutch assembly, order 6668810.

PENTAIR HYPRO

All 9303C Series



Parts Kit No. 3430-0748
AGCO No. AG006207
Contains: One each ball bearing (Ref. 13), motor shaft seal (Ref. 16), thread seal gasket (Ref. 35), two cartridge O-rings (Ref. 15) and washer (Ref. 36); two each motor housing O-rings (Ref. 22), and port adapter O-rings (Ref. 30 & 32)

Adapter Kit No. 3430-0187
(HM2 and HM4 Models Only):
Contains one each:
No. 3360-0021 Pressure Port Adapter
No. 3373-0020 (Size #1)
No. 3373-0021 (Size #2)
No. 3373-0022 (Size #3).
No. 1720-0108 Adapter O-ring and
No. 1720-0105 Orifice O-ring (Qty 3)

Silicon Seal Kit No. 3430-0589
AGCO No. AG122578
Contains one each:
O-ring (Ref. 5) and one mechanical seal (silicon carbide) (Ref. 7)

Repair Parts Kit No. 3430-0332
AGCO No. AG427039
Contains: One O-ring (Ref. 5), one rubber gasket (Ref. 6), and one mechanical seal (Ref. 7)

Hydraulic Motor Part Nos.
2500-0081C / **AG007656** (HM1C Models)
2500-0082C (HM2C Models)
2500-0083C / **AG007654** (HM3C Models)
2500-0084C (HM4C Models)
2500-0085C / **AG055071** (HM5C Models)

Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
1	4	2406-0007	006504	Drain/Vent Plug (9303C)
1	4	2406-0016	6661127	Drain/Vent Plug (9303S)
2	1	0150-9000C	005696	Pump Casing (Model 9303C)
2	1	0150-9000S	--	Pump Casing (Model 9303S)
2A	1	0153-9000C	WR129670	Pump Casing (Universal Flange Model C-U)
2A	1	0153-9000S	--	Pump Casing (Universal Flange Model S-U)
3	1	2253-0002	005168	Impeller Nut (9303C)
3	1	2253-0006	6661125	Impeller Nut (9303S)
4	1	0401-9100P	000268	Impeller (Nylon Std. 9303C)
4	1	0402-9100P	006214	Impeller (Poly. Opt.) (Std 9303S)
5	1	1720-0083	000338	O-ring
6	1	1700-0100	052854	Gasket
7	1	2120-0009	WR25806	Mech. Seal (Viton®/Ceramic) (Std 9303C)
7	1	3430-0589	122578	Mech. Seal (Silicon Carbide) (Std 9303S)
8	1	0750-9300C	006989	Mounting Flange (9303C)
8	1	0756-9300S	--	Mounting Flange (9303S)
9	4	2210-0020	006500	Hex Head Cap Screw (9303C)
9	4	2210-0125	--	Hex Head Cap Screw (9303S)
10	1	1410-0056	000313	Slinger Ring
11	1	1810-0014	000346	Snap Ring
12	1	1820-0013	6616767	Retaining Ring
13	1	2000-0010	6668162	Ball Bearing
14	1	1410-0131	547934D1	Cartridge, Front
15	2	1720-0268	547935D1	O-ring
16	1	2104-0010	547929D1	Lip Seal
17	1	1410-0130	006991	Seal Spacer
18	1	2029-0014	007170	Thrust Bearing Assembly
19	1	0531-2500	006956	Shaft (HM2C/HM4C)
19	1	0533-2500	547932D1	Shaft (HM1C/HM5C)
19	1	0536-2500	007627	Shaft (HM3C)
20	1	0150-2500C	547930D1	Motor Body (includes needle bearing)
21	4	2210-0005	007657	Hex Head Cap Screw
22	2	1720-0110	006175	O-ring
23	1	1600-0045	6668173	Dowel Pin (HM2C / HM4C)
23	1	1600-0044	007002	Dowel Pin (HM1C/HM5C)

Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
23	1	1600-0052	008900	Dowel Pin (HM3C)
24	1	1600-0042	6668174	Dowel Pin (HM2C/HM4C)
24	1	1600-0037	007004	Dowel Pin (HM1C/HM5C)
24	1	1600-0068	--	Dowel Pin (HM3C)
25	1	3900-0022	007643	Gerotor (HM1C)
25	1	3900-0023	008849	Gerotor (HM2C)
25	1	3900-0024	007648	Gerotor (HM3C)
25	1	3900-0025	007649	Gerotor (HM4C)
25	1	3900-0048	055073	Gerotor (HM5C)
26	1	0701-2500C1	--	Gerotor Housing (HM2C) 1/4" wide
26	1	0700-2500C1	056705	Gerotor Housing (HM1C) 1/2" wide
26	1	0703-2500C1	058972	Gerotor Housing (HM4C) 5/16" wide
26	1	0702-2500C1	058971	Gerotor Housing (HM3C) 1" wide
26	1	0704-2500C1	058979	Gerotor Housing (HM5C) 5/8" wide
27	1	0254-2500C2	547931D1	Motor End Plate (includes needle bearing)
28	4	2270-0039	007009	Washer
29	4	2220-0045	007010	Cap Screw (HM2C/HM4C Models)
29	4	2220-0021	007011	Cap Screw (HM1C Models)
29	4	2220-0044	007647	Cap Screw (HM3C Models)
29	4	2220-0032	055074	Cap Screw (HM5C Models)
30	1	1720-0108	006174	O-ring
31	1	3360-0021A	--	Pressure Port Adapter (includes O-ring)
32	1	1720-0262	--	O-ring
33	1	3320-0051A	--	Tank Port Adapter (includes O-ring)
34	1	3220-0029	006947	Bypass Adjusting Screw
35	1	1700-0047	007006	Gasket
36	1	2270-0027	007007	Washer
37	1	2250-0038	007008	Lock Nut
38	1	1610-0032	006996	Roll Pin (HM2C/HM4C)
38	1	1610-0031	006997	Roll Pin (HM1C/HM5C)
38	1	1610-0055	057961	Roll Pin (HM3C)
39	1	1810-0026	006993	Snap Ring
40	1	1610-0012	332127	Woodruff Key (9303C)
40	1	04432	--	Woodruff Key (9303S)

1995-2004 854/1254 864/1064/1264 Product Pump



Applications:

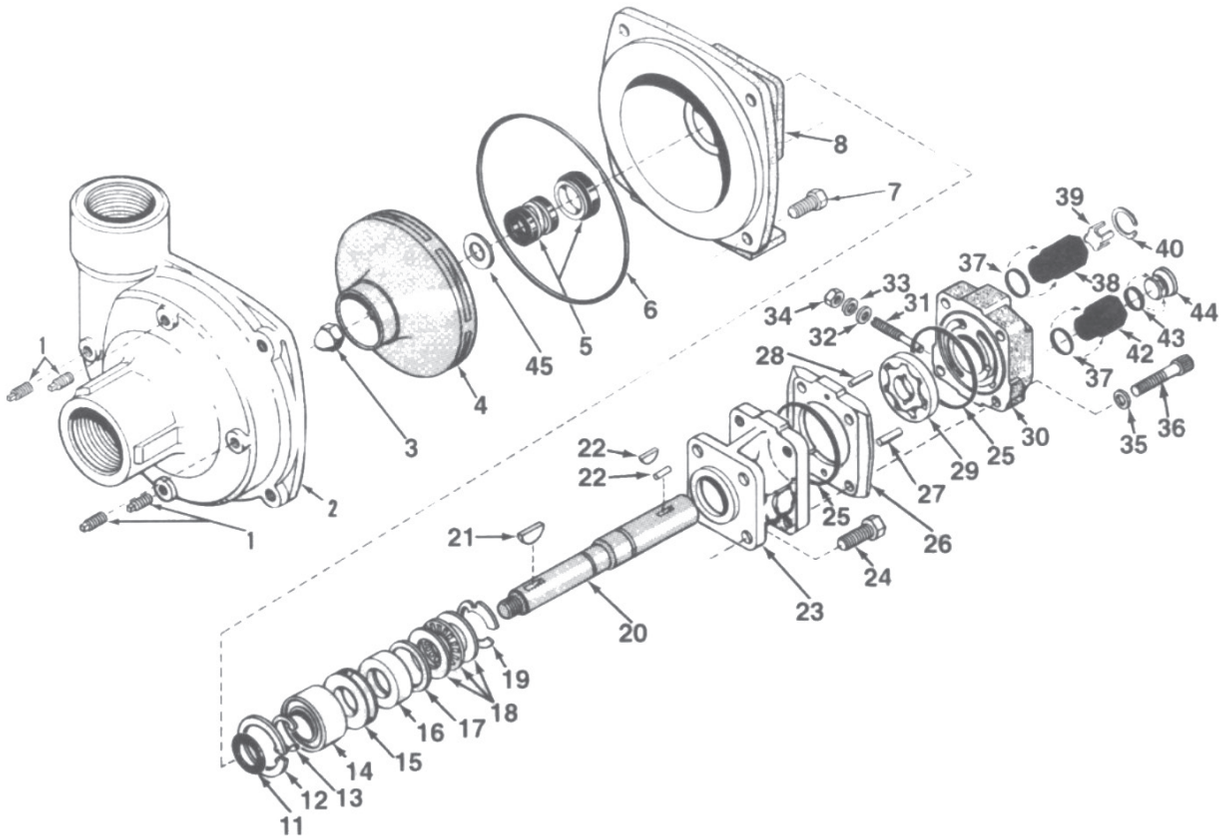
- 1995-2004 854 product pump
- 2003-2004 864/1064/1264 RoGator with standard volume systems

The new pump number for this assembly is AG520320.

Notes: *AG055091 kit contains one mechanical seal Ref #5, one O-ring Ref #6, and one rubber gasket Ref #45. 547936D1 contains one ball bearing Ref #14, motor shaft seal Ref #16, thread seal gasket Ref #32, washer Ref #33, two each motor housing O-rings Ref #25, and port adapter O-rings Ref #37.*

Ref	Part	Description
	AG520320	Pump - 2" x 1-1/2"
	AG055091	Pump Repair Kit, Less Belt (See Note)
	547936D1	Kit Repair Hydraulic Motor (See Note)
	544748D1	HM5 Hydraulic Motor (Not Shown)
1	6661127	Drain Plug Casing
2	AG053845	Casing Pump - Volute
3	AG005168	Nut Impeller
4a	AG053846	Impeller - Cast Iron
4b	AG131494	Impeller - Nyglass
5	AG000482	Seal Viton® - Standard
6	AG000338	O-ring - Volute
7	AG006500	Cap Screw

Ref	Part	Description
8	AG006989	Mounting Flange
11	AG000313	Slinger Ring
12	AG000349	Snap Ring
13	AG000346	Snap Ring
14	6610653	Bearing
17	AG006991	Spacer
18	AG007170	Thrust Bearing
19	AG006993	Snap Ring
20	AG006995	Shaft HM1/HM5 - 7"
21	6300148M1	Key Woodruff
22	AG006997	Pin Roll HM1/HM5
24	AG007657	Cap Screw
25	AG006175	O-ring
26	AG058979	Gerotor Housing HM5, New Style, Cast
27	AG007002	Dowel Pin HM1
28	AG007004	Pin Dowel HM1
29	AG055073	Gerotor HM5
30	547931D1	End Plate and Bearing, New Style, Cast
31	AG006947	Adjusting Screw
32	AG007006	Gasket
33	AG007007	Washer
34	AG007008	Locknut
35	AG007009	Washer
36	AG055074	Cap Screw, HM5
45	AG052854	Gasket, Viton®
46	AG053847	Washer
	AG556742	2" Steel Pipe Nipple
	AG560929	2" Stainless Steel Pipe Nipple



9305C-HM3C High-Volume Pump



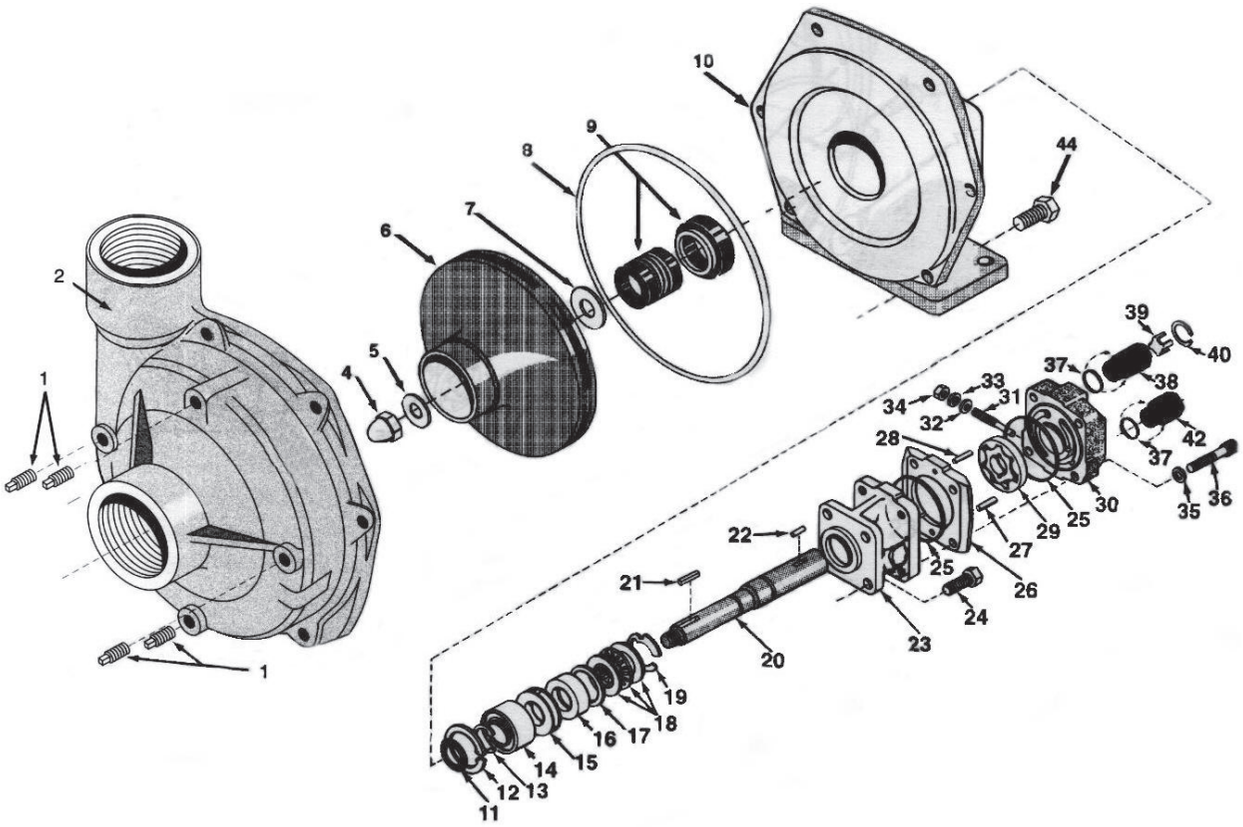
Applications:

- 2000-2003 1254 RoGator with high-volume plumbing
- 2003-2004 864/1064/1264 RoGator with high-volume plumbing options. These parts are for AG522365 RoGator product pump.

Notes: *547936D1 repair kit includes one each of items 14, 16, 32, and 33, and two each of items 25 and 37.*

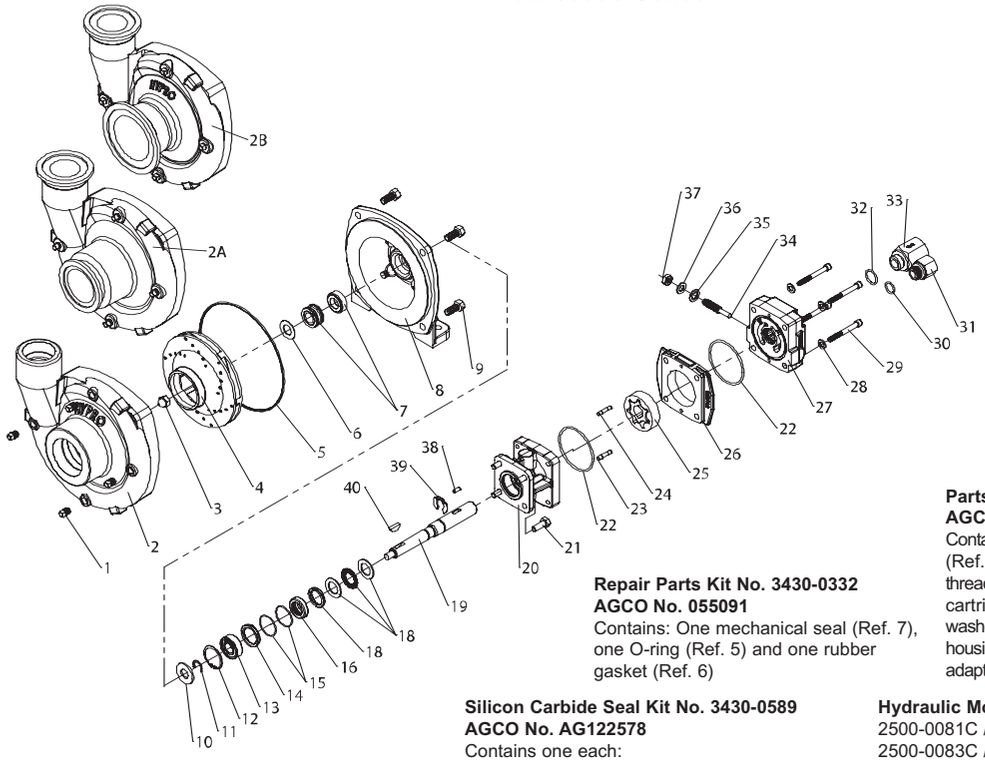
Ref	Part	Description
	AG522365	Pump High-Volume
1	6661127	Drain Plug Casing
2	AG057948	Pump Casing
4	AG005168	Nut Impeller
5	AG053847	Washer
6	AG057950	Impeller, Poly
7	AG052854	Gasket - Viton®
8	AG057955	O-ring Casing
9	AG000482	Seal, Viton®, Standard
11	AG000313	Slinger Ring
12	AG000349	Snap Ring
13	AG000346	Snap Ring

Ref	Part	Description
14	6610653	Bearing
17	AG006991	Spacer
18	AG007170	Thrust Bearing
19	AG006993	Snap Ring
20	ACP0025350	Shaft 1254 Prod Pump
21	AG057956	Key
22	AG057961	Key
24	AG007657	Cap Screw
25	AG006175	O-ring
26	AG058971	Gerotor Housing HM3
30	547931D1	End Plate and Bearing, New Style, Cast
31	AG006947	Adjusting Screw
32	AG007006	Gasket
33	AG007007	Washer
34	AG007008	Locknut
35	AG007009	Washer
37	NLA	O-ring
	AG428344	Motor 9303 HM3 (Not Shown)
	AG057954	Pump Repair Kit (See Note)
	547936D1	Kit Repair Hydraulic Motor (See Note)



PENTAIR HYPRO

All 9306C Series



Repair Parts Kit No. 3430-0332
AGCO No. 055091
Contains: One mechanical seal (Ref. 7), one O-ring (Ref. 5) and one rubber gasket (Ref. 6)

Parts Kit No. 3430-0748
AGCO No. AG006207
Contains: One each ball bearing (Ref. 13), motor shaft seal (Ref. 16, thread seal gasket (Ref. 35), two cartridge O-rings (Ref. 15) and washer (Ref. 36); two each motor housing O-rings (Ref. 22), and port adapter O-rings (Ref. 30 & 32)

Silicon Carbide Seal Kit No. 3430-0589
AGCO No. AG122578
Contains one each:
mechanical seal (Ref. 7) and O-ring (Ref. 5)

Hydraulic Motor Part Nos.
2500-0081C / AG007656 (HM1C Models)
2500-0083C / AG007654 (HM3C Models)
2500-0085C / AG055071 (HM5C Models)

Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
1	4	2406-0007	006504	Drain/Vent Plug (9306C)
1	4	2406-0016	6661127	Drain/Vent Plug (9306S)
2	1	0154-9200C1	131486	Pump Casing (9306C)
2	1	0154-9200S1	726906	Pump Casing (9306S)
2A	1	0157-9200C	--	Pump Casing (Universal Flange 220x200)
2B	1	0158-9200C	--	Pump Casing (Universal Flange 300x220 Cast)
2B	1	0158-9200S	--	Pump Casing (Universal Flange 300x220 S.S.)
3	1	2253-0002	005168	Impeller Nut (9306C)
3	1	2253-0006	6661125	Impeller Nut (9306S)
4	1	0401-9200P2	131494	Impeller (Nylon Std. 9306C)
4	1	0405-9100P2	--	Impeller (Poly Opt.) (Std. 9306S)
4	1	0407-9306P	--	Impeller (GTX Optional)
5	1	1720-0083	000338	O-ring
6	1	1700-0100	052854	Gasket
7	1	2120-0009	000482	Mechanical Seal (Viton®/Ceramic) (Std. 9306C)
7	1	3430-0589	122578	Mechanical Seal (Silicon Carbide) (Std. 9306S)
8	1	0750-9300C2	131487	Mounting Flange (9306C)
8	1	0756-9300S	--	Mounting Flange (9306S)
9	4	2210-0020	006500	Hex Head Cap Screw (9306C)
9	4	2210-0125	--	Hex Head Cap Screw (9306S)
10	1	1410-0056	000313	Slinger Ring
11	1	1810-0014	000346	Snap Ring
12	1	1820-0013	000349	Retaining Ring
13	1	2000-0010	6668162	Ball Bearing
14	1	1410-0131	547934D1	Cartridge, Front
15	2	1720-0268	547935D1	O-ring
16	1	2104-0010	547929D1	Lip Seal
17	1	1410-0130	--	Seal Spacer
18	1	2029-0014	007170	Thrust Bearing Assembly

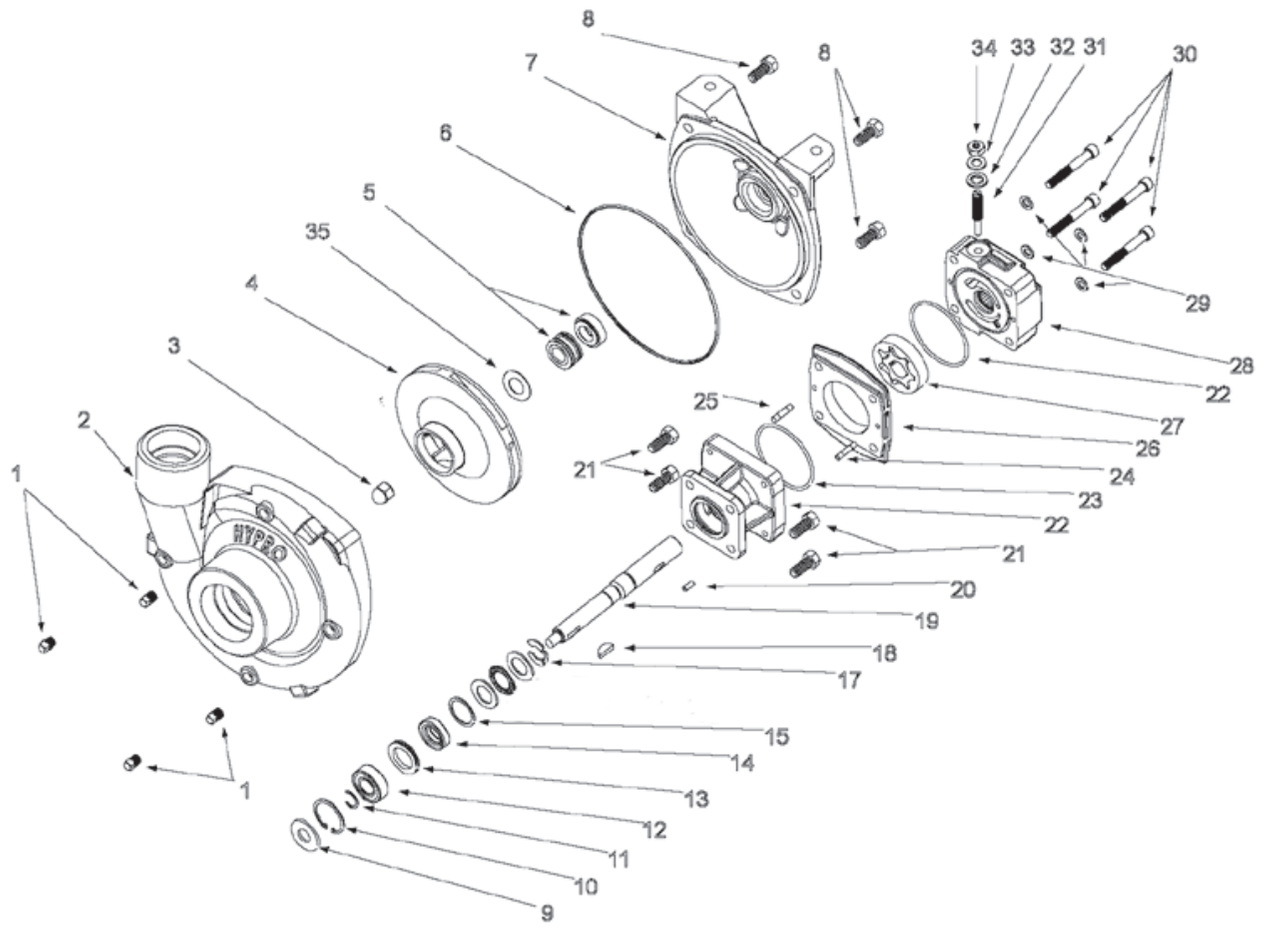
Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
19	1	0533-2500	547932D1	Shaft (HM1C/HM5C)
19	1	0536-2500	007627	Shaft (HM3C)
20	1	0150-2500C	547930D1	Motor Body (includes needle bearing)
21	4	2210-0005	007657	Hex Head Cap Screw
22	2	1720-0110	006175	O-ring
23	1	1600-0044	007002	Dowel Pin (HM1C/HM5C)
23	1	1600-0052	008900	Dowel Pin (HM3C)
24	1	1600-0037	007004	Dowel Pin (HM1C/HM5C)
24	1	1600-0068	--	Dowel Pin (HM3C)
25	1	3900-0022	007643	Gerotor (HM1C)
25	1	3900-0024	007648	Gerotor (HM3C)
25	1	3900-0048	055073	Gerotor (HM5C)
26	1	0700-2500C1	056705	Gerotor Housing (HM1C) 1/2" wide
26	1	0702-2500C1	058971	Gerotor Housing (HM3C) 1" wide
26	1	0704-2500C1	058979	Gerotor Housing (HM5C) 5/8" wide
27	1	0254-2500C2	547931D1	Motor End Plate (includes needle bearing)
28	4	2270-0039	007009	Washer
29	4	2220-0021	007011	Cap Screw (HM1C Models)
29	4	2220-0044	007647	Cap Screw (HM3C Models)
29	4	2220-0032	055074	Cap Screw (HM5C Models)
30	1	1720-0108	006174	O-ring
31	1	3360-0021A	006177	Pressure Port Adapter (includes O-ring)
32	1	1720-0262	--	O-ring
33	1	3320-0051A	--	Tank Port Adapter (includes O-ring)
34	1	3220-0029	006947	Bypass Adjusting Screw
35	1	1700-0047	007006	Gasket
36	1	2270-0027	007007	Washer
37	1	2250-0038	007008	Lock Nut
38	1	1610-0031	006997	Roll Pin (HM1C / HM5C)
38	1	1610-0055	057961	Roll Pin (HM3C)
39	1	1810-0026	006993	Snap Ring
40	1	1610-0012	6300148M1	Woodruff Key (9306C)
40	1	04432	--	Woodruff Key (9306S)

2005-2008 Product Pump 64/74/86 All 9306-HM5C

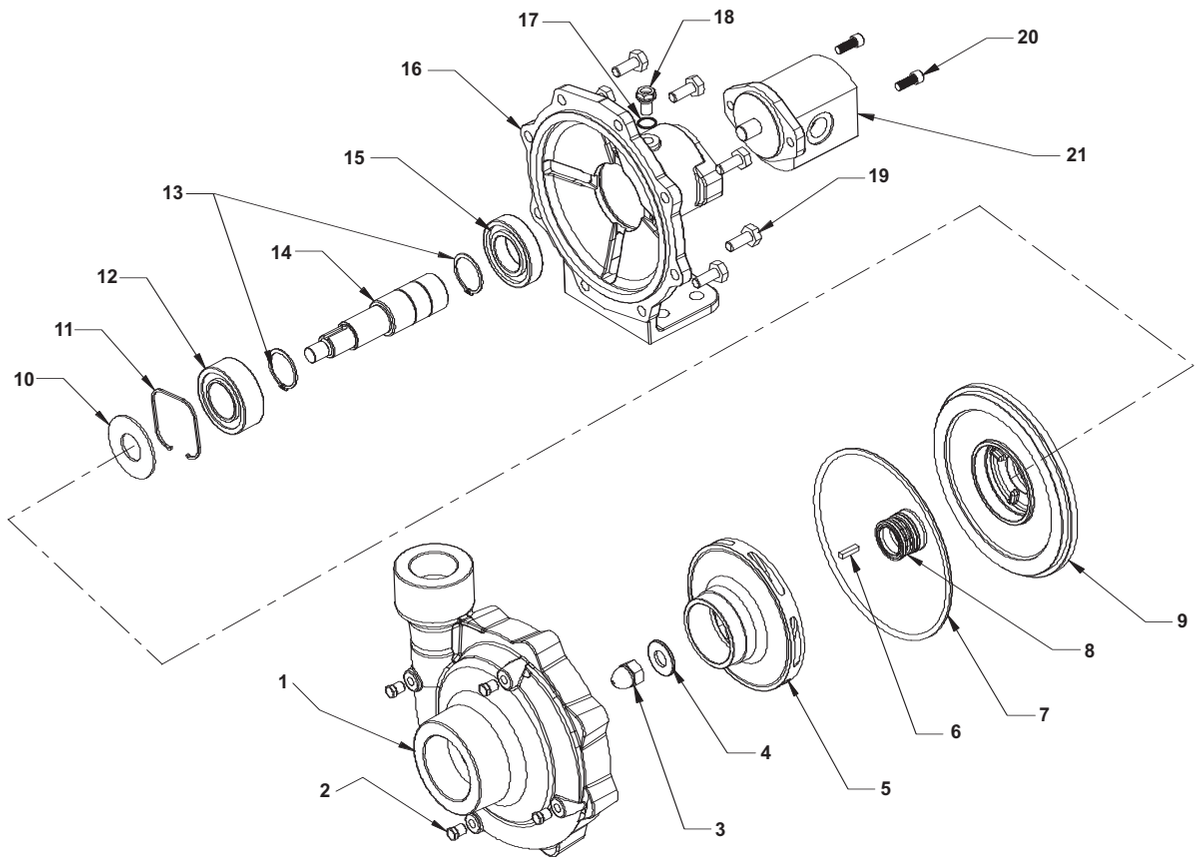
Application:
2005—864/1064/1264
2005-2007—874/1074/1274
2007-2008—1286

Notes: *Pump seal kit AG055091 includes one Ref. #5 mechanical seal, one Ref #35 friction disc, and one Ref #6 O-ring.*

Ref	Part	Description
1	6661127	Drain Plug Casing
2	AG131486	Pump Casing
3	AG005168	Nut Impeller
4	AG131494	Impeller
5	AG000482	Seal, Viton®, Standard
6	AG000338	O-ring, Volute
7	AG131487	Mounting Flange
8	AG006500	Cap Screw
9	AG000313	Slinger Ring
10	AG000349	Snap Ring
12	6610653	Bearing
15	AG006991	Spacer
17	AG006993	Snap Ring
18	6300148M1	Key Woodruff
19	AG006995	Shaft HM1/HM5 - 7"
20	AG006997	Pin Roll HM1/HM5
21	AG007657	Cap Screw
23	AG006175	O-ring
24	AG007002	Dowel Pin HM1/5
25	AG007004	Pin Dowel HM1/5
26	AG058979	Gerotor Housing HM5, New Style, Cast
27	AG055073	Gerotor HM5
28	547931D1	End Plate and Bearing, New Style, Cast
29	AG007009	Washer
30	AG007010	Capscrew HM2 and HM4
31	AG006947	Adjusting Screw
32	AG007006	Gasket
33	AG007007	Washer
34	AG007008	Locknut
35	AG052854	Gasket, Viton®
	AG055091	Pump Repair Kit, Less Belt
	547936D1	Kit Repair Hydraulic Motor
	544748D1	HM5 Hydraulic Motor
	AG128977	Complete Pump



Model 9307C



Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
1*	1	0150-9300C	--	Pump Casing
1**	1	0151-9300C	334705	Pump Casing (Universal Flange)
2	4	2406-0039	334706	Pipe Plug
3	1	2253-0010	334707	Acorn Nut
4	1	2270-0094	334708	Washer
5	1	0400-9300S	334709	Impeller
6	1	1610-0058	334710	Key
7	1	1721-0108	334711	O-ring
8	1	2120-0043	334712	Mechanical Seal
9	1	0755-9300C	334713	Seal Flange
10	1	2270-0093	334714	Slinger

Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
11	1	1820-0040	334715	Retaining Ring
12	1	2005-0006	334716	Double Row Ball Bearing
13	2	1810-0001	000343	Retaining Ring
14	1	0500-9305	334717	Shaft Assembly
15	1	2007-0063	334718	Ball Bearing
16	1	0757-9300C	334719	Mounting Flange
17	1	1720-0209	334720	O-ring
18	1	2300-0040	334721	Plug
19	8	2210-0131	334722	Bolt
20	2	2210-0026	–	Bolt
21	1	2500-0036	–	Hydraulic Motor (GM10)
22	1	2500-0046	334723	Hydraulic Motor (GM12)

*Includes a stainless steel wear ring and four pipe plugs (Ref. No. 2).

**Used in -U “universal flange” models. Includes stainless steal wear ring and four pipe plugs (Ref. No. 2).

Mechanical Seal Kit #3430-0604 (AGCO No. AG427358)
Includes Items 7 & 8

Bearing Kit #3430-0671 (AGCO No. AG334725)
Includes Items 10, 11, 12, 13, & 15

Impeller Hardware Kit #3430-0612 (AGCO No. AG334726)
Includes Items 3, 4, & 6

Hydraulic Motor Seal Replacement #3430-0611
For seal replacement in Motor #2500-0036 (GM10)

Hydraulic Motor Seal Replacement #3430-0616 (AGCO No. AG334724)
For seal replacement in Motor #2500-0046 (AGCO No. AG334723) (GM12)

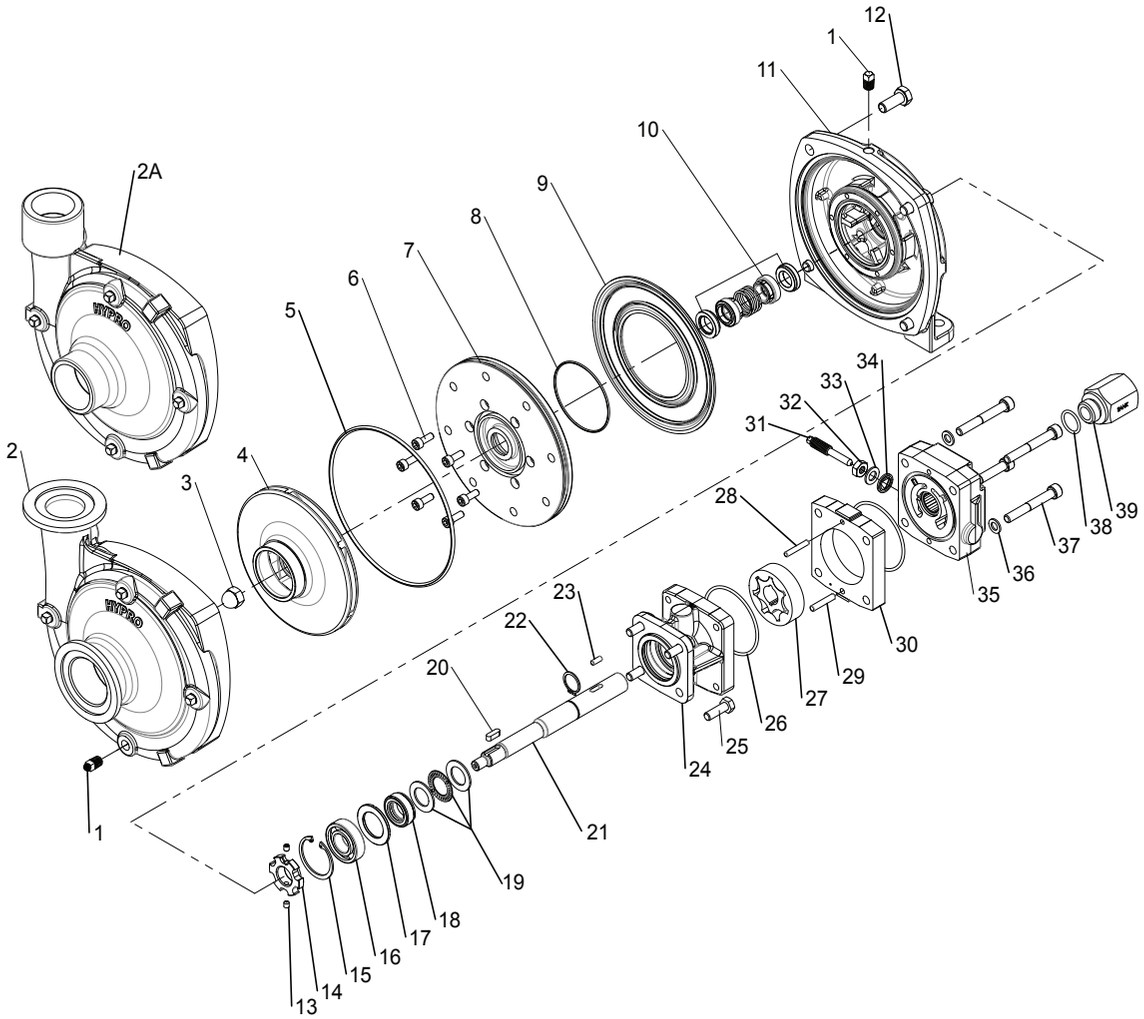
Replacement Parts

The following drawings show the pumps and their replacement parts. **Only genuine replacement parts should be used. Failure to follow this warning can result in damage to property, serious injury or death.** If the pump malfunctions or is defective, it should be sent back to Pentair for service.

Model 9313 Part Illustrations and Repair Kits

Includes Models 9313C(S) -M04, -M05, -M05Y, -M08, -M08Y, M10, -M10Y, and -M16

9313CU(SU) -M04, -M05, -M05Y, -M08, -M08Y, M10, and -M16



Pump Repair Kit No. ACP0301730
Contains: O-rings (Ref. 5 & 8), mechanical seal (Ref. 10), Membrane (Ref. 9), Pump Chamber Fluid, and seal installation tool

Pump Repair Kit No. 3430-0947
Contains: Same as 3430-0948, except installation tool not included.

Parts Kit No. ACP0301720
Contains: One each ball bearing (Ref. 16), motor shaft seal (Ref. 18), thread seal gasket (Ref. 34), washer (Ref. 33), two each motor housing O-rings (Ref. 26), and port adaptor O-ring (Ref. 38)

Metering Orifice Kit #3430-0187
Contains: One motor inlet adaptor, adaptor O-ring, three metering orifices, and orifice O-ring.

NOTE: When ordering parts, give quantity, part number, description and complete model number. Reference numbers are used ONLY to identify parts in the drawing and are NOT to be used as order numbers.

Hydraulic Motor Part Nos.
ACP0301740 (M04 models)
2500-0501C (M05Y models)
2500-0502C (M05 models)
2500-0801C (M08Y models)
2500-0802C (M08 models)
2500-1001C (M10Y models)
ACP0500210 (M10 models)
2500-1602C (M16 models)

Replacement Chamber Fluid (ACP0500190)
Contains: 23 oz of chamber fluid, pre-mixed.

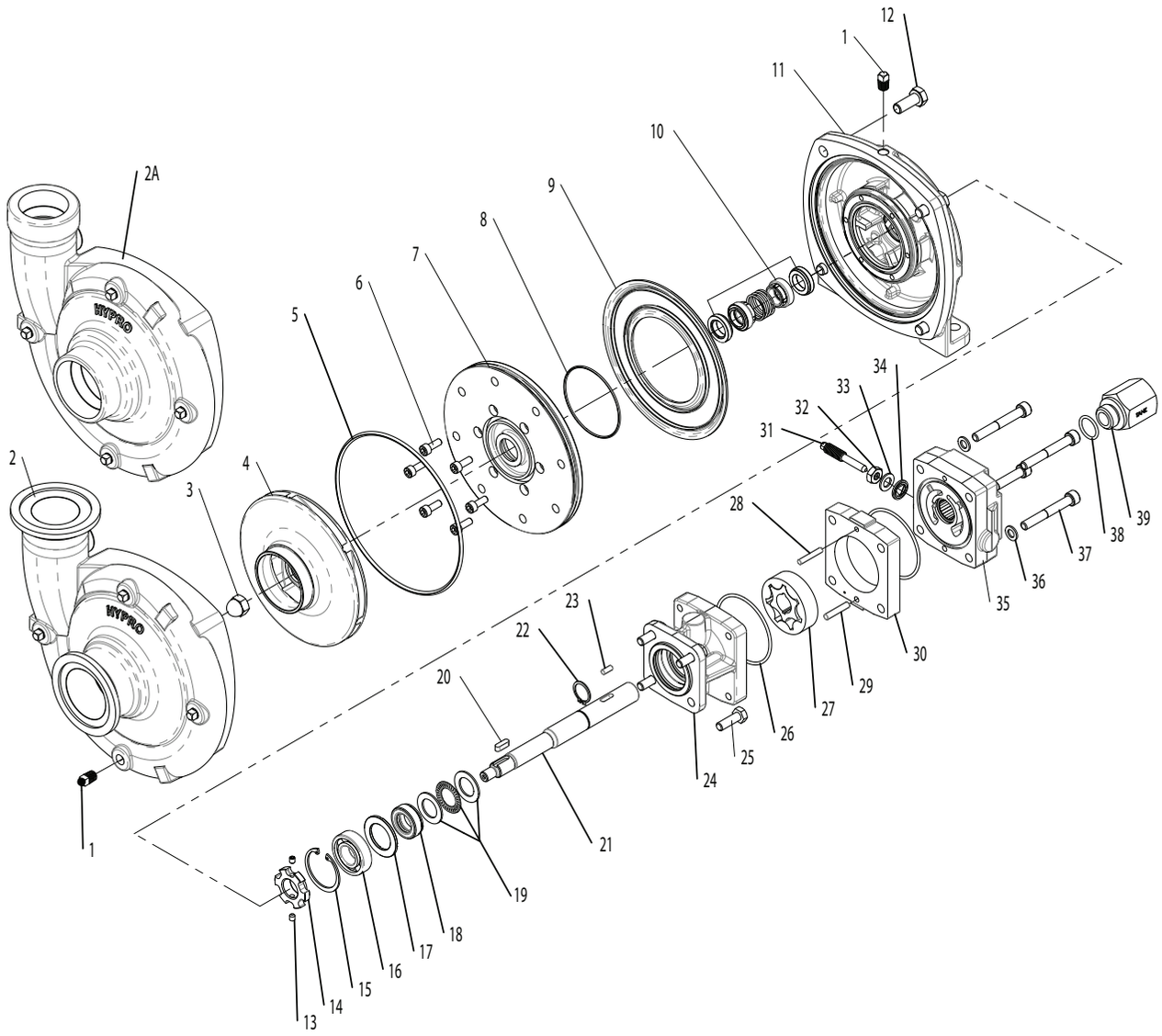
PENTAIR HYPRO

Pentair® Hypro™ Model 9314

Model 9314 Part Illustrations and Repair Kits

Includes Models 9314C(S) -M08, -M08Y, M10, -M10Y, and -M16

9314CU(SU) -M08, -M08Y, M10, -M10Y, and -M16



To find your nearest dealer or to order, go to parts.agcocorp.com

Hydraulic Motor Part Nos.
2500-0801C (M08Y models)
2500-0802C (M08 models)
2500-1001C (M10Y models)
ACP0500210 (M10 models)
ACP0500200 (M10 for RG C-Series) - ACP0500200
2500-1002C (M10 for RG B Series) - ACP0500210
2500-1602C (M16 models)

Replacement Chamber Fluid (ACP0500210)
Contains: 23 oz of chamber fluid, pre-mixed.

Pump Repair Kit No. 3430-0948 (ACP0301730)
Contains: O-rings (Ref. 5 & 8), mechanical seal (Ref. 10), Membrane (Ref. 9), Pump Chamber Fluid, and seal installation tool

Pump Repair Kit No. 3430-0947
Contains: Same as 3430-0948, except installation tool not included.

Parts Kit No. 3430-0949 (ACP0301720)
Contains: One each ball bearing (Ref. 16), motor shaft seal (Ref. 18), thread seal gasket (Ref. 34), washer (Ref. 33) two each motor housing O-rings (Ref. 26), and port adaptor O-ring (Ref. 38)

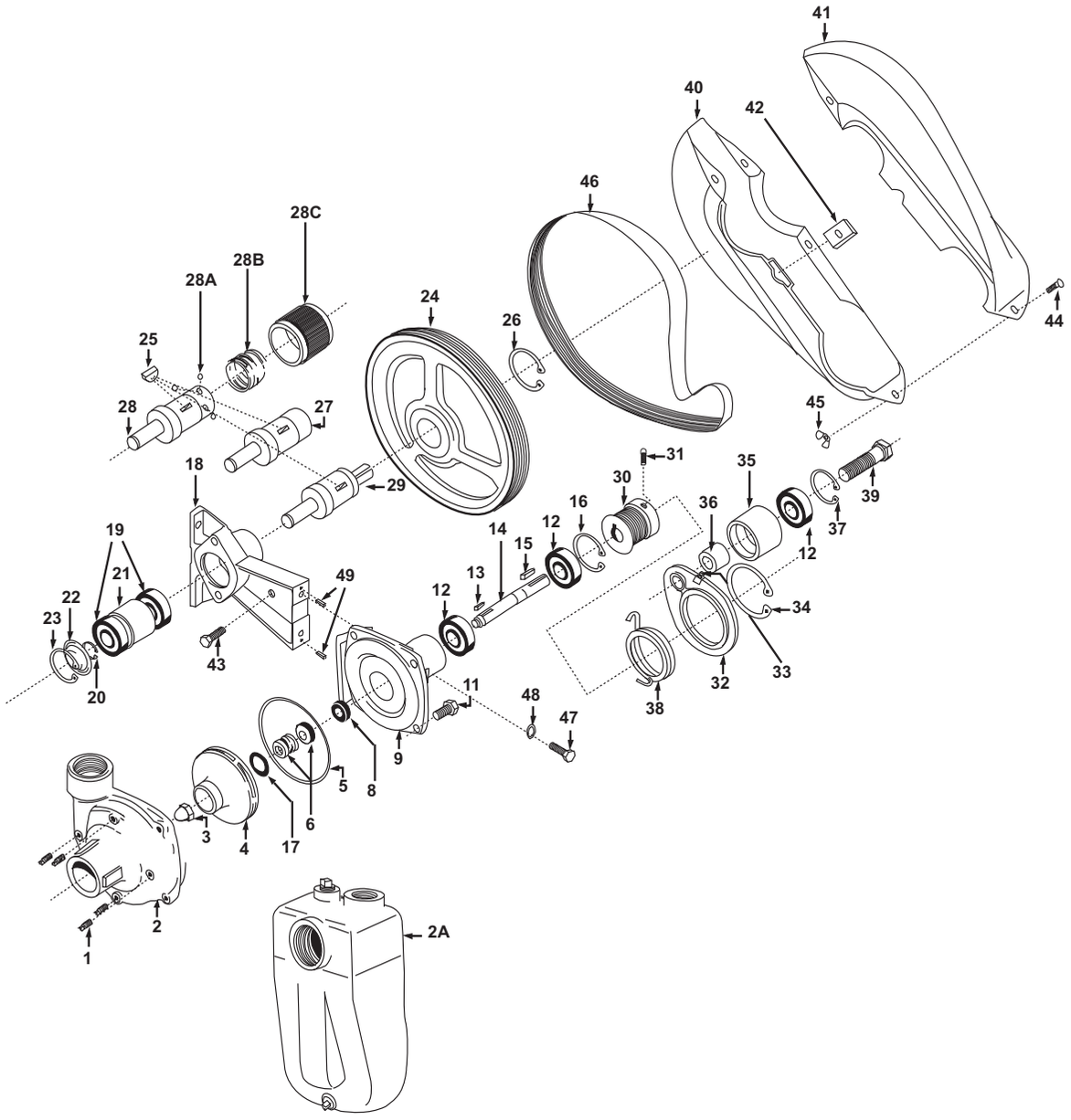
NOTE:
When ordering parts, give quantity, part number, description and complete model number. Reference numbers are used ONLY to identify parts in the drawing and are NOT to be used as order numbers.

Ref. No.	Qty. Req'd.	VPN	AGCO PN	Description
1	5	2406-0016	6661127	Drain/Vent Plug (SS)
2	1	0157-9310C		Pump Casing (9314CU)
2	1	0157-9310SM		Pump Casing (9314SU)
2A	1	0154-9310C	ACP0612180	Pump Casing (9314C)
2A	1	0154-9310SM		Pump Casing (9314S)
3	1	2253-0015		Impeller Nut
4	1	0400-9316		Impeller
5	1	1720-0292		O-ring, Large
6	6	2220-0124		Socket Head Cap Screw
7	1	0751-9310		Plate, Front Chamber
8	1	1720-0294		O-ring, Small
9	1	2535-0015		Membrane
10	1	2120-0069		Mechanical Seal, Double (Silicon Carbide)
11	1	0752-9310C		Mounting Flange
12	4	2210-0194		Hex Head Cap Screw
13	2	2230-0051	ACW3845890	Socket Set Screw
14	1	1410-0137		Tone Wheel
15	1	1820-0039		Retaining Ring
16	1	2000-0017		Ball Bearing
17	1	1410-0145		Spacer
18	1	2104-0011		Motor Lip Seal
19	2	2029-0010		Thrust Bearing Assy
20	1	1610-0072		Shaft Key
21	1	0533-2510		Shaft (M08/M10 Motor)
21	1	0533-2512		Shaft (M16 Motor)
22	1	1810-0011	NLA	Retaining Ring
23	1	1610-0031	AG006997	Roll Pin (M08/M10 Motor)
23	1	1610-0055	AG057961	Roll Pin (M16 Motor)
24	1	0150-2517C		Motor Body (std)

Ref. No.	Qty. Req'd.	VPN	AGCO PN	Description
24	1	0150-2515C		Motor Body (Y series case drain motors)
25	4	2210-0209		Hex Head Cap Screw
26	2	1720-0110	6668172	O-ring
27	1	3900-0022	AG007643	Gerotor (M08 Motor)
27	1	3900-0048	AG055073	Gerotor (M10 Motor)
27	1	3900-0024	AG007648	Gerotor (M16 Motor)
28	1	1600-0084		Dowel Pin, Small (M08/M10 Motor) Dowel Pin,
28	1	1600-0085		Small (M16 Motor)
29	1	1600-0095	ACW3731770	Dowel Pin, Large (M08/M10 Motor) Dowel Pin,
29	1	1600-0096		Large (M16 Motor)
30	1	0720-2603		Gerotor Housing (M08 Motor)
30	1	0720-2604		Gerotor Housing (M10 Motor)
30	1	0720-2606		Gerotor Housing (M16 Motor)
31	1	3220-0029	AG006947	Bypass Screw (Std Motor)
32	1	2250-0038	AG007008	Lock Nut, Bypass (Std Motor)
33	1	2270-0027	AG007007	Washer, Bypass (Std Motor)
34	1	1700-0047	AG007006	Gasket, Bypass Screw (Std Motor) Motor End
35	1	0254-2500C2	547931D1	Plate (Std Motor)
35	1	0254-2500C3		Motor End Plate (Y series motors, no Bypass)
36	4	2270-0039	AG007009	Washer
37	4	2220-0135		Socket Head Cap Screw (M08 Motor) Socket
37	4	2210-0204		Head Cap Screw (M10 Motor) Socket Head
37	4	2210-0208		Cap Screw (M16 Motor)
38	1	1720-0262		O-ring, Check valve
39	1	3320-0052A		Motor Check Valve Assy (includes o-ring)
n/a	1	2160-0138	ACP0500190	Seal Chamber Fluid (not shown, pump requires 10.5 oz)

PENTAIR HYPRO

Pentair® Hypro™ Model 9403C



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Pentair® Hypro™ Model 9403C

Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
1	4	2406-0007	006504	Drain Plug
2	1	0150-9000C	000255	Pump Casing (Model 9403C)
2	1	0150-9000S1	--	Pump Casing (Model 9403S)
2	1	0150-9200C	000255	Pump Casing (Model 9402C)
2A	1	3430-0480SP	055878	Pump Casing (Model 9403C-SP)
			-	(The above casings include a stainless steel wear ring.)
3	1	2253-0002	005168	Impeller Nut
3	1	2253-0006	6661125	Impeller Nut (Model 9403S)
4	1	0401-9100P	000268	Impeller (Nylon) (standard)
4	1	0402-9100P	006214	Impeller (Polypropylene) (9403S std.)
5	1	1720-0083	000338	O-Ring
6	1	2120-0008	000481	Mechanical Seal (opt. Buna-N)
6	1	2120-0009	WR25806	Mechanical Seal (std. Viton®)
6	1	3430-0589	122578	Mechanical Seal (opt. Silicon Carbide)
8	1	1410-0056	000313	Slinger Ring
9	1	0750-9200C3	002465	Mounting Flange
9	1	0756-9200S	--	Mounting Flange (Model 9403S)
10	1	6031-0252	--	Name Plate (Specify Model Number)
11	4	2210-0020	006500	Bolt
11	4	2210-0125	--	Bolt (Model 9403S)
12	3	2000-0010	6668162	Ball Bearing
13	1	1610-0015	002476	Key
14	1	0505-9200	000274	Pump Shaft
15	1	1610-0004	002471	Key
16	1	1820-0013	6616767	Bearing Retainer
17	1	1700-0100	052854	Gasket
18	1	0703-9400D	--	Pedestal Bracket
19	2	2001-0006	006498	Driver Shaft Bearings
20	1	1810-0012	006493	Driver Shaft Bearing Retainer Ring
21	1	1410-0094	--	Bearing Spacer
22	1	2840-0053	--	End Cap (label)
23	1	1820-0032	006496	Bearing Bore Retaining Ring
24	1	3115-0031	057310	Driver Pulley (540 rpm)
24	1	3115-0032	--	Driver Pulley (1,000 rpm)
24	1	3115-0033	--	Driver Pulley (1,000 rpm, 1-3/4" shaft)
25	1	1610-0033	051022	Key (Driver Pulley)
25	1	1610-0034	006492	Key (Driver Pulley, 1-3/4" shaft)
26	1	1810-0031	050087	Retaining Ring (Driver Pulley)
26	1	1810-0032	006495	Retain. Ring (Dr. Pulley, 1-3/4" shaft)
27	1	0555-9400F	--	Shaft (540 rpm) (3430-0207 kit used on 0555-9400F and 0556-9400F shafts)
27	1	0556-9400F	058020	Shaft (1,000 rpm) (3430-0207 kit used on 0555-9400F and 0556-9400F shafts)
27	1	0557-9400F	057978	Shaft (1-3/4" 1,000 rpm) (3430-0190 kit used on 0557-9400F shaft)
28	1	0555-9400F1	058003	Shaft (540 Quick Coupler)
28A	3	3250-0004	000405	Locking Ball
28B	1	1900-0115	006497	Collar Spring
28C	1	1400-0021	006490	Collar

Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
29	1	0503-9400	058015	Shaft (1" solid)
30	1	3115-0034	057182	Driven Pulley (5/8" dia. bore)
31	2	2230-0003	052111	Set Screw for Driven Pulley
32	1	0706-9400C	059993	Idler Bracket (Cast Iron Pumps)
33	1	2405-0003	006899	Grease Zerk Fitting
34	1	1810-0036	--	Retaining Ring (Idler Bracket, CI)
35	1	3115-0036	058563	Idler Pulley
36	1	1410-0095	--	Spacer (Idler Pulley)
37	1	1820-0013	6616767	Retaining Ring (Idler Pulley)
38	1	1900-0156	426386	Torsion Spring (Idler for Cast Iron)
39	1	2210-0111	--	Idler Bolt/Shaft
40	1	2840-0075	057276	Belt Shield
41	1	2840-0076	057277	Belt Shield
42	1	1520-0062	059089	Bracket for Belt Shield
43	1	2210-0021	6671046	Attachment Bolt for Shield
44	4	2240-0017	--	Assembly Bolt for Shield
45	4	2252-0002	006502	Assembly Nut for Shield
46	1	3100-0006	055876	Poly V-Belt (540 rpm)
46	1	3100-0005	055875	Poly V-Belt (1,000 rpm)
47	2	2210-0055	--	Bolts for Pump to Bracket
48	2	2260-0006	--	Lock Washer for Bracket Bolt
49	2	1600-0070	--	Roll Pin

Seal Repair Kit No. 3430-0332 (AGCO No. AG427039) consists of (1) Ref. 6 Mechanical Seal (Viton®-Std.), (1) Ref. 5 O-ring, and (1) Ref. 17 Gasket

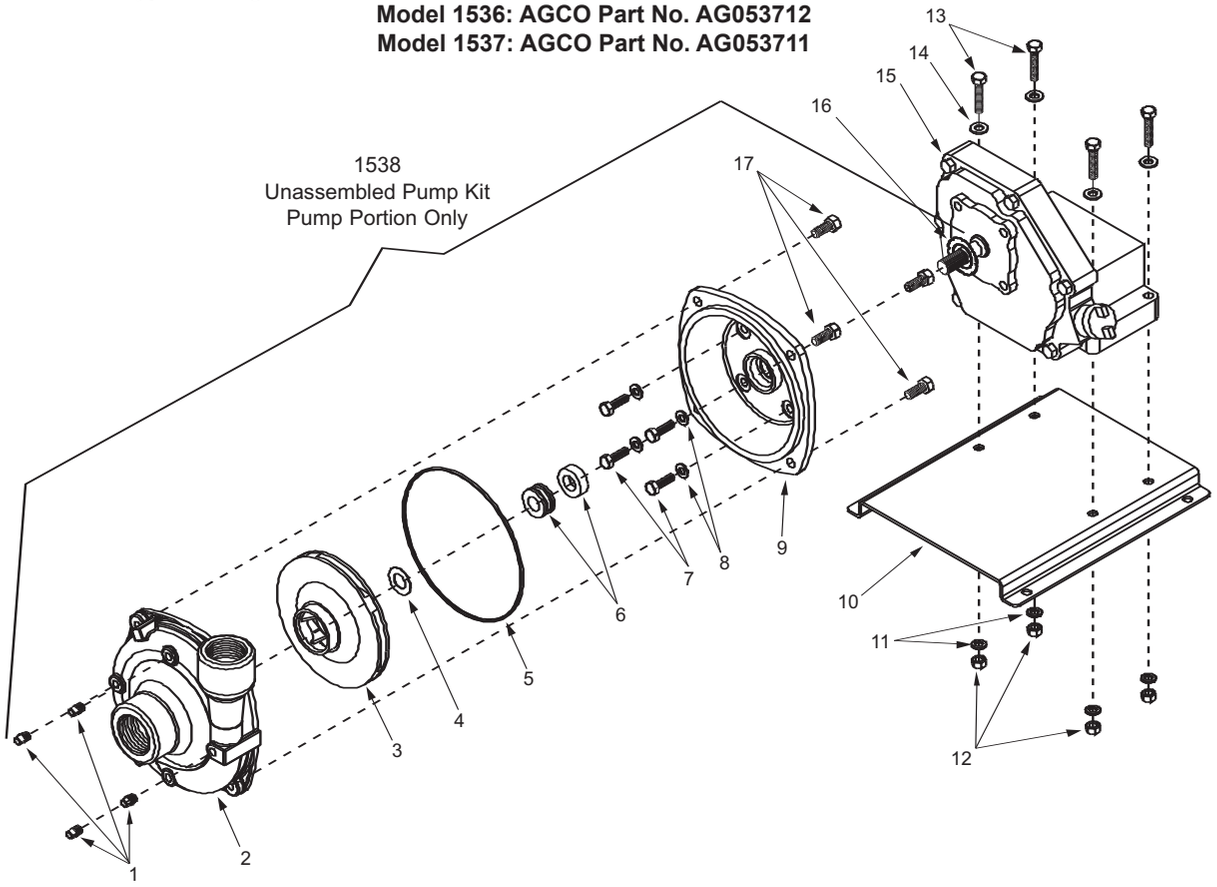
Repair Kit No. 3430-0476 (AGCO No. AG057275) (for 540 rpm drives) consists of (1) Ref. 46 Poly V-Belt, (1) Ref. 5 O-ring, (1) Ref. 6 Mechanical Seal (Viton®), and (1) Ref. 17 Gasket

Repair Kit No. 3430-0477 (AGCO No. AG057184) (for 1,000 rpm drives) consists of (1) Ref. 46 Poly V-Belt, (1) Ref. 5 O-ring, (1) Ref. 6 Mechanical Seal (Viton®), and (1) Ref. 17 Gasket

Life Guard Seal Repair Kit No. 3430-0589 consists of (1) Ref. 6 Mechanical Seal (Silicon Carbide-optional) and (1) Ref. 5 O-ring

PENTAIR HYPRO

Pentair® Hypro™ Engine-Driven Centifugal Pumps: Models 1521C-65, 1536, 1537, 1538, 1539 and 1540
Model 1536: AGCO Part No. AG053712
Model 1537: AGCO Part No. AG053711



Seal Kit for 1521, 1536 through 1540 (Std.)
No. AG427039 (VPN 3430-0332) consists of:
(1) Ref. 4 Gasket
(1) Ref. 5 O-ring
(1) Ref. 6 Mechanical Seal

Seal Kit for 1521, 1536 through 1540 (Opt.)
No. AG122578 (VPN 3430-0589) (Silicon Carbide) consists of:
(1) Ref. 5 O-ring
(1) Ref. 6 Mechanical Seal

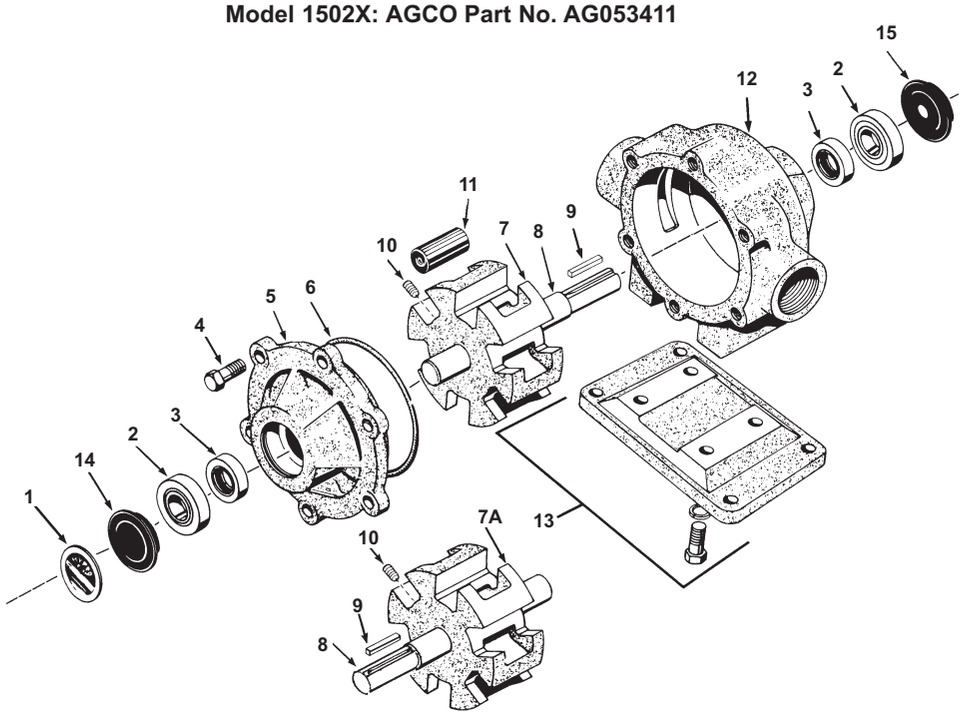
Ref. No.	Qty. Req'd.	VPN	AGCO #	Description
1	4	2406-0007	006504	Drain Plug
2	1	0152-9000C	055035	Pump Casing (includes Stainless Steel wear ring)
3	1	0402-9200P	058422	Impeller (Nyon)
4	1	1700-0100	052854	Gasket
5	1	1720-0083	000338	O-ring
6	1	2120-0009	000482	Mechanical Seal - Viton®
7	4	2210-0098	059823	Bolt
8	4	1700-0119	059824	Seal
9	1	0703-9200C	--	Flange
10	1	1510-0083	--	Mounting Plate
11	4	2260-0002	--	Lock Washer

Ref. No.	Qty. Req'd.	VPN	AGCO #	Description
12	4	2250-0003	--	Nut
13	4	2210-0021	6671046	Bolt
14	4	2270-0040	--	Washer
15	1	2541-0033 (135232-0035-01)*	--	Briggs & Stratton Engine (Model 1536 & 1539)
15	1	2541-0034 GX160K1 Type TX2*	--	Honda Engine (Model 1537 & 1540)
15	1	2541-0046	--	PowerPro Engine (6.5 HP) for 1521C-65
16	1	1410-0088	--	Bearing Shield (5.5 HP Honda)
16	1	1410-0105	--	Bearing Shield (5.5 HP Briggs)
17	4	2210-0020	006500	Bolt

*Contact the engine manufacturer for this product number.

PENTAIR HYPRO

Pentair® Hypro™ Model 1502
Model 1502C: AGCO Part No. AG007590
Model 1502N: AGCO Part No. AG007589
Model 1502X: AGCO Part No. AG053411



Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
1	1	6031-0258	--	Name Plate (Specify Pump Model #)
2	2	2008-0001	000366	Sealed Ball Bearing
3	2	2112-0001	000371	Buna-N Seal (Standard)
3	2	2112-0003	000372	Viton® Seal (Optional) (Std. for SilverCast)
4	6	2210-0026	052987	Bolt
5	1	0200-1500C	055828	Endplate (Cast Iron) with Seal
5	1	0200-1500N	--	Endplate (Ni-Resist) with Seal
5	1	0200-1500X	--	Endplate (SilverCast) with Seal
6	1	1720-0003	000330	O-ring Gasket for Endplate
7	1	0300-1502C	051456	Rotor (Cast Iron) with shaft (Std. Rotation)
7	1	0300-1502N	008845	Rotor (Ni-Resist) with shaft (Std. Rotation)
7	1	0300-1502X	--	Rotor (SilverCast) with shaft (Std. Rotation)
7A	1	0301-1502C	--	Rotor (Cast Iron) w/shaft (Reverse Rotation)
7A	1	0301-1502N	--	Rotor (Ni-Resist) w/shaft (Reverse Rotation)
7A	1	0301-1502X	--	Rotor (SilverCast) w/shaft (Reverse Rotation)

Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
8	1	0500-1502	051748	Shaft Only
9	1	1610-0005	--	Key
10	1	2230-0018	000383	Set Screw
10	1	2230-0034	--	Set Screw (SilverCast Only)
11	6	1005-0005	427691	Super Roller (Standard)
11	6	1002-0005	005697	Polypropylene Roller (Opt.)
11	6	1055-0005	000296	Teflon® Roller (Optional)
12	1	0100-1500C	844195	Body (Cast Iron) with Seal
12	1	0100-1500N	--	Body (Ni-Resist) with Seal
12	1	0100-1500X	--	Body (SilverCast) with Seal
13	1 kit	3420-0004	054991	Base Kit — **Sold Separately** Includes: (1) Base, (4) Bolts and (4) Lockwashers
14	1	2300-0020	052988	Bearing Cover
15	1	2300-0022	053278	Shaft Bearing Cover

Repair Parts Kit No. 3430-0383 (Universal) Consists of: (6) Ref. 11 Super Rollers, (2) Ref. 6 O-ring Gaskets, and (2) Ref. 3 Viton® Seals.

Repair Parts Kit No. 3430-0386 Consists of: (6) Ref. 11 Super Rollers, (1) Ref. 6 O-ring Gasket, and (2) Ref. 3 Viton® Seals.

Repair Parts Kit No. 3430-0387 Consists of: (6) Ref. 11 Super Rollers, (1) Ref. 6 O-ring Gasket, and (2) Ref. 3 Buna-N Seals.

Repair Parts Kit No. 3430-0162 Consists of: (6) Ref. 11 Polypropylene Rollers and (1) Ref. 6 O-ring Gasket.

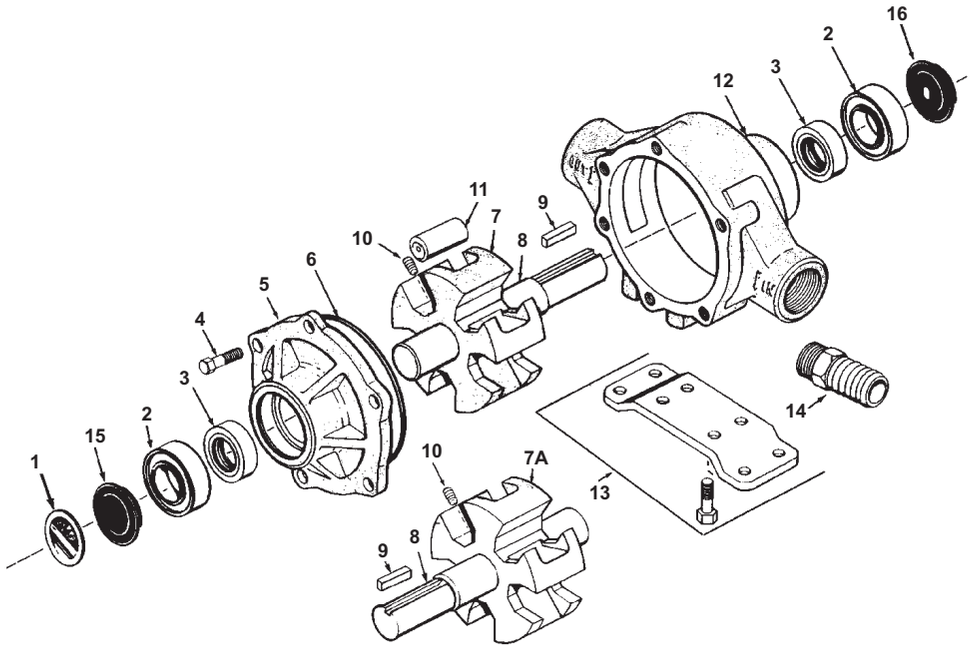
Repair Parts Kit No. AG007586 Consists of: (6) Ref. 11 Polypropylene Rollers, (1) Ref. 6 O-ring Gasket, and (2) Ref. 3 Viton® Seals.

Repair Parts Kit No. AG002486 Consists of: (6) Ref. 11 Polypropylene Rollers, (1) Ref. 6 O-ring Gasket, and (2) Ref. 3 Buna-N Seals.

Repair Parts Kit No. 3430-0406 Consists of: (6) Ref. 11 Super Rollers, (1) Ref. 6 O-ring Gasket, (2) Ref. 3 Viton® Seals, and (2) Ref. 2 Sealed Ball Bearings.

PENTAIR HYPRO

Pentair® Hypro™ Model 1700
Model 1700C: AGCO Part No. AG000218
Model 1700XL: AGCO Part No. AG052007



Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
1	1	6031-0258	--	Name Plate (Specify Pump Model #)
2	2	2008-0001	000366	Sealed Ball Bearing
3	2	2112-0003	000372	Viton® Seal (Standard)
3	2	2112-0001	000371	Buna-N Seal (Optional)
4	6	2210-0005	007657	Bolt
5	1	0200-1700C	052180	Endplate (Cast Iron) with Seal
5	1	0200-1700N	--	Endplate (Ni-Resist) with Seal
5	1	0200-1700X	--	Endplate (SilverCast) with Seal
6	1	1720-0099	000340	O-ring Gasket for Endplate
7	1	0300-1700C	005215	Rotor (Cast Iron) with shaft (Std. Rotation)
7	1	0300-1700N	--	Rotor (Ni-Resist) with shaft (Std. Rotation)
7	1	0300-1700X	--	Rotor (SilverCast) with shaft (Std. Rotation)
7A	1	0301-1700C	--	Rotor (Cast Iron) w/shaft (Reverse Rotation)
7A	1	0301-1700N	--	Rotor (Ni-Resist) w/shaft (Reverse Rotation)
7A	1	0301-1700X	--	Rotor (SilverCast) w/shaft (Reverse Rotation)

Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
8	1	0500-1502	051748	Shaft Only
9	1	1610-0005	--	Key
10	1	2230-0018	000383	Set Screw
10	1	2230-0034	--	Set Screw (SilverCast Only)
11	6	1005-0005	427691	Super Roller (Standard)
11	6	1002-0005	005697	Polypropylene Roller (Opt.)
11	6	1055-0005	000296	Teflon® Roller (Optional)
12	1	0100-1700C	000735	Body (Cast Iron) with Seal
12	1	0100-1700N	--	Body (Ni-Resist) with Seal
12	1	0100-1700XL	--	Body (SilverCast) with Seal
13	1 kit	3420-0010	051240	Base Kit — **Sold Separately** Includes: (1) Base, (4) Bolts
14	1	2404-191	--	1-1/4" Hose Barb
15	1	2300-0020	052988	Bearing Cover
16	1	2300-0022	053278	Shaft Bearing Cover

Repair Parts Kit No. 3430-0437 Consists of: (5) Ref. 11 Super Rollers, (1) Ref. 6 O-ring Gasket, and (2) Ref. 3 Viton® Seals.

Repair Parts Kit No. 3430-0383 (Universal) Consists of: (6) Ref. 11 Super Rollers, (2) Ref. 6 O-ring Gaskets, and (2) Ref. 3 Viton® Seals.

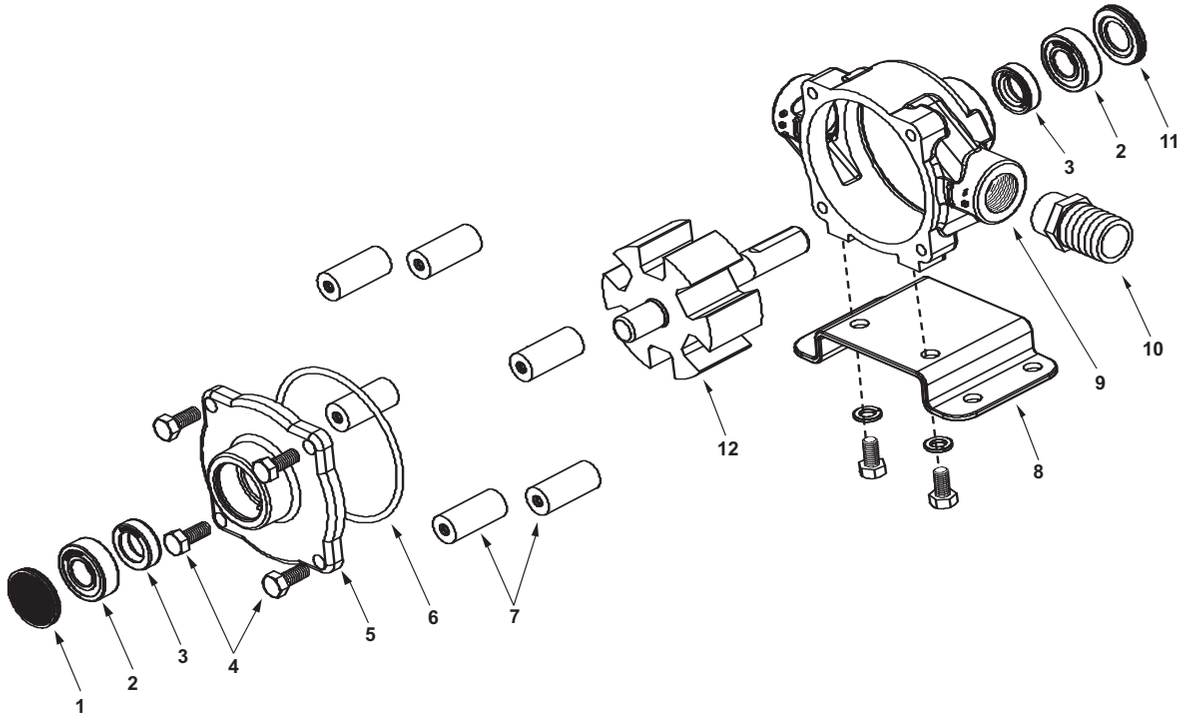
Repair Parts Kit No. 3430-0160 Consists of: (5) Ref. 11 Polypropylene Rollers and (1) Ref. 6 O-ring Gasket, and (2) Ref. 3 Buna-N Seals.

Repair Parts Kit No. 3430-0161 (AGCO No. AG000464) Consists of: (5) Ref. 11 Polypropylene Rollers, and (1) Ref. 6 O-ring Gasket, and (2) Ref. 3 Viton® Seals.

Repair Parts Kit No. 3430-0407 Consists of: (5) Ref. 11 Super Rollers, (1) Ref. 6 O-ring Gasket, (2) Ref. 3 Viton® seals, and (2) Ref. 2 Sealed Ball Bearings.

PENTAIR HYPRO

Pentair® Hypro™ Model 6500
Model 6500C: AGCO Part No. AG000235
Model 6500N: AGCO Part No. AG000236
Model 6500XL: AGCO Part No. AG051801



Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
1	1	2300-0021	055462	Bearing Cover
2	2	2000-0010	6668162	Sealed Ball Bearing
3	2	2107-0002	000369	Viton® Seal (Standard)
3	2	2102-0001	000367	Buna-N Seal (Optional)
3	2	2102-0001T	427323	Teflon®-coated Buna-N Seal (Optional)
4	4	2210-0004	--	Bolts
5	1	0200-6600C	--	Endplate (Cast Iron) with Seal
5	1	0200-6600N	--	Endplate (Ni-Resist) with Seal
5	1	0200-6600X	--	Endplate (SilverCast) with Seal
6	1	1720-0008	000331	O-ring Gasket for Endplate
7	6	1005-0004	054103	Super Roller (Standard)
7	6	1002-0004	000294	Polypropylene Roller (Optional)
7	6	1055-0004	053827	Teflon® Roller (Optional)

Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
8	1 kit	3420-0023	009619	Base Kit - **Sold Separately** Includes: (1) Base, (2) Bolts and (2) Washers
9	1	0100-6600C	--	Body (Cast Iron) with Seal
9	1	0100-6600N	058860	Body (Ni-Resist) with Seal
9	1	0100-6600X	--	Body (SilverCast) with Seal
10	1	2404-0052	--	1" Hose Barb
11	1	2300-0023	053823	Shaft Bearing Cover
12	1	0300-6600C	005216	Rotor Assembly (Cast Iron)
12	1	3430-0767	--	Rotor Assembly (Std. Ni-Resist & XL)

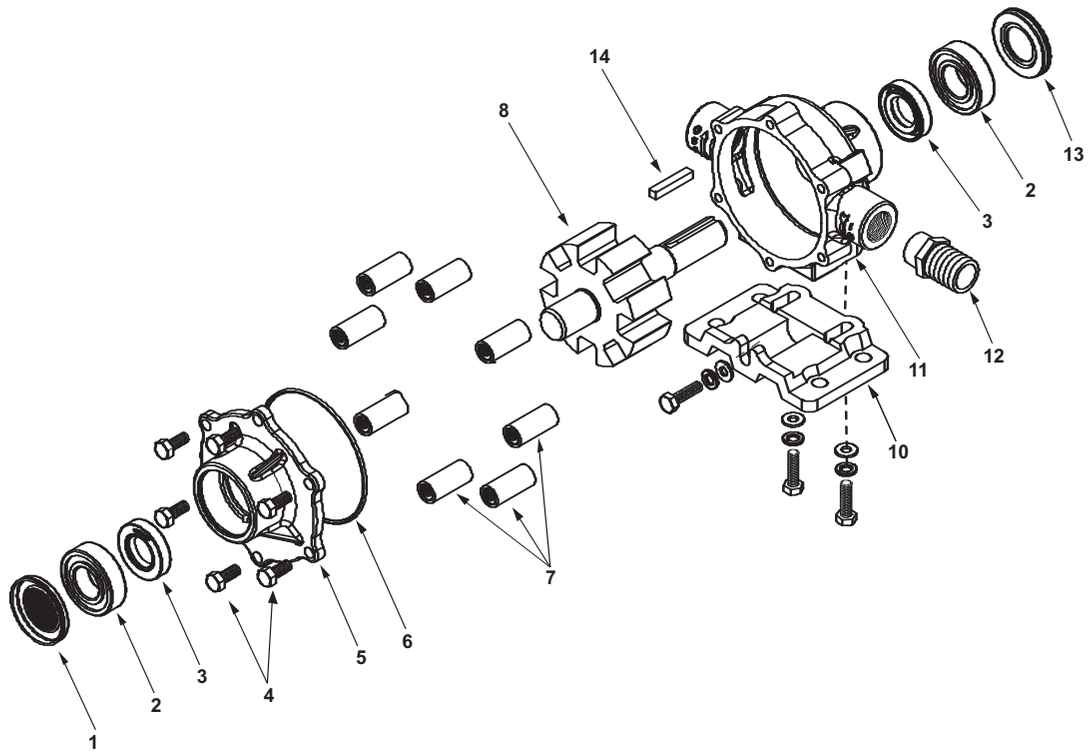
Repair Parts Kits:

No. 3430-0380 (AGCO No. AG000499) Consists of (6) Ref. 7 Super Rollers, (1) Ref. 6 O-ring, and (2) Ref. 3 Viton® seals.

No. 3430-0175 Consists of (6) Ref. 7 Polypropylene Rollers, (1) Ref. 6 O-ring, and (2) Ref. 3 Viton® seals.

PENTAIR HYPRO

Pentair® Hypro™ Model 7560
Model 7560C: AGCO Part No. AG000238
Model 7560N: AGCO Part No. AG000239
Model 7560X: AGCO Part No. AG052002



Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
1	1	2300-0020	052988	Bearing Cover
2	2	2008-0001	000366	Sealed Ball Bearing
3	2	2112-0003	000372	Viton® Seal (Standard)
3	2	2112-0001	000371	Buna-N Seal (Optional)
4	6	2210-0004	--	Bolts
5	1	0204-7500C	--	Endplate (Cast Iron) with Seal
5	1	0204-7500N	--	Endplate (Ni-Resist) with Seal
5	1	0204-7500X	--	Endplate (SilverCast) with Seal
6	1	1720-0014	000332	O-ring Gasket for Endplate
7	8	1005-0004	054103	Super Roller (Standard)
7	8	1052-0004	000294	Polypropylene Roller (Optional)
7	8	1055-0004	053827	Teflon® Roller (Optional)

Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
8	1	3430-0745	426539	Rotor Assembly (Std. Ni-Resist & XL)
8	1	0308-7560C	006196	Rotor Assembly (Cast Iron only)
10	1 kit	3420-0003	008918	Base Kit - **Sold Separately** Includes: (1) Base, (3) Bolts and (3) Washers
11	1	0104-7500C	--	Body (Cast Iron) with Seal
11	1	0104-7500N	--	Body (Ni-Resist) with Seal
11	1	0104-7500X	--	Body (SilverCast) with Seal
12	1	2404-0052	--	1" Hose Barb
13	1	2300-0022	053278	Shaft Bearing Cover
14	1	1610-0005	--	Key
	1	1610-0059	--	Key (Stainless Steel)

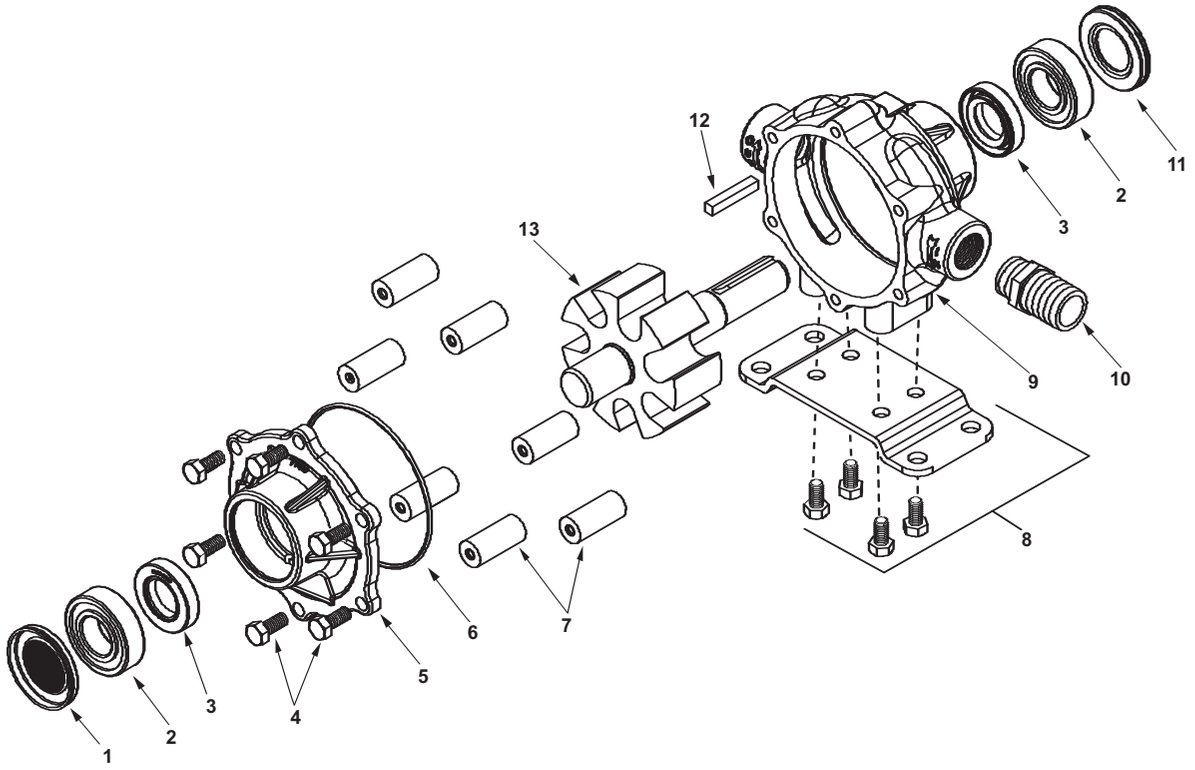
Repair Parts Kits:

No. 3430-0381 (AGCO No. AG000454) Consists of (8) Ref. 7 Super Rollers, (1) Ref. 6 O-ring, and (2) Ref. 3 Viton® seals

No. 3430-0167 (AGCO No. AG051018) Consists of (8) Ref. 7 Polypropylene Rollers, (1) Ref. 6 O-ring, and (2) Ref. 3 Viton® seals

PENTAIR HYPRO

Pentair® Hypro™ Model 7700
Model 7700C: AGCO Part No. AG513631
Model 7700N: AGCO Part No. AG000241
Model 7700XL: AGCO Part No. AG051800



Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
1	1	2300-0020	052988	Bearing Cover
2	2	2008-0001	000366	Sealed Ball Bearing
3	2	2112-0003	000372	Viton® Seal (Standard)
3	2	2112-0001	000371	Buna-N Seal (Optional)
4	6	2210-0004	--	Bolts
5	1	0200-7700C	--	Endplate (Cast Iron) with Seal
5	1	0200-7700N	--	Endplate (Ni-Resist) with Seal
5	1	0200-7700X	--	Endplate (SilverCast) with Seal
6	1	1720-0014	000332	O-ring Gasket for Endplate
7	8	1005-0004	054103	Super Roller (Standard)
7	8	1052-0004	000294	Polypropylene Roller (Optional)
7	8	1055-0004	053827	Teflon® Roller (Optional)
8	1 kit	3420-0010	051240	Base Kit - **Sold Separately** Includes: (1) Base and (4) Bolts

Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
9	1	0100-7700C	000254	Body (Cast Iron) with Seal
9	1	0100-7700N	050154	Body (Ni-Resist) with Seal
9	1	0100-7700X	--	Body (SilverCast) with Seal
10	1	2404-0052	--	1" Hose Barb
11	1	2300-0022	053278	Shaft Bearing Cover
12	1	1610-0005	--	Key
13	1	0300-7700C	000264	Rotor Assembly (Cast Iron)
13	1	0300-7700N	844175	Rotor Assembly (Ni-Resist)
13	1	0300-7700X	--	Rotor Assembly (SilverCast)
13	1	0301-7700C	--	Rotor Assembly (Cast Iron) Reverse Rotation
13	1	0301-7700N	--	Rotor Assembly (Ni-Resist) Reverse Rotation
13	1	0301-7700X	--	Rotor Assembly (SilverCast) Reverse Rotation

Repair Parts Kits:

No. 3430-0384 (AGCO No. AG000460) Consists of (8) Ref. 7 Super Rollers, (1) Ref. 6 O-ring, and (2) Ref. 3 Viton® seals

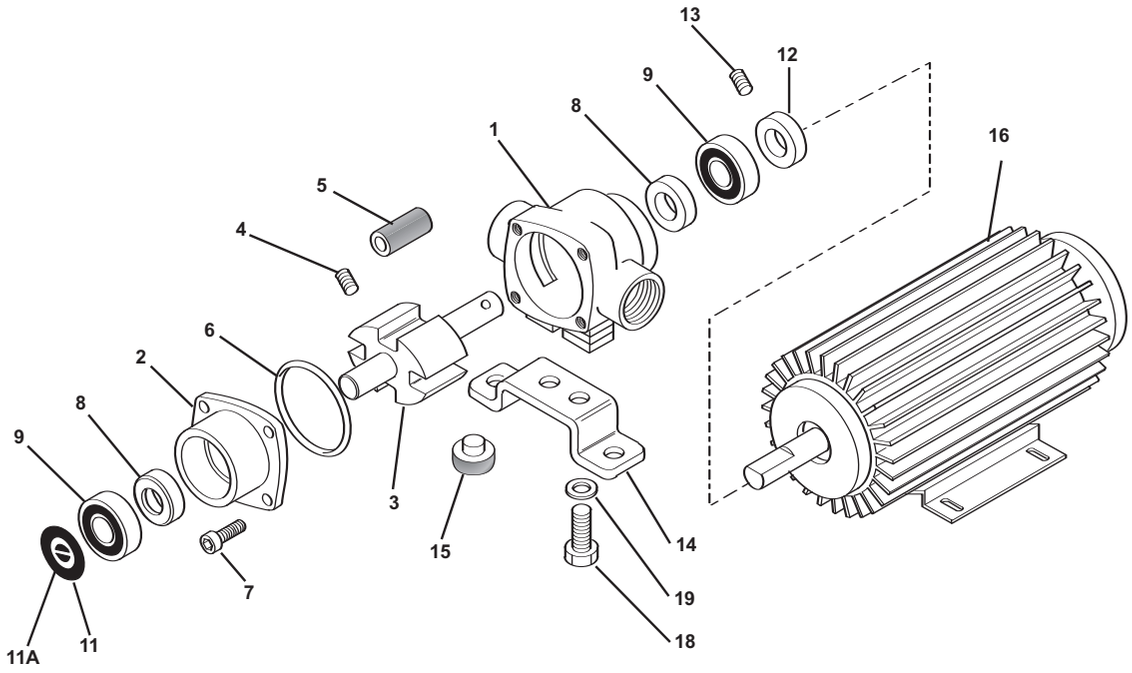
No. 3430-0167 (AGCO No. AG051018) Consists of (8) Ref. 7 Polypropylene Rollers, (1) Ref. 6 O-ring, and (2) Ref. 3 Viton® seals

PENTAIR HYPRO

Pentair® Hypro™ 12-Volt Electric-Driven Roller Pumps

Model 4001N-EH: AGCO Part No. AG053255
Model 4101N-EH: AGCO Part No. AG009204

Model 4001XL-EH: AGCO Part No. AG053421
Model 4101XL-EH: AGCO Part No. AG052656



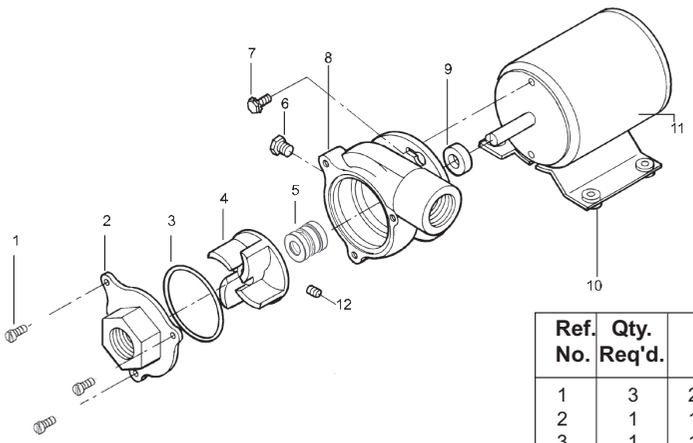
Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
1	1	0100-4001N	--	Body (Ni-Resist) with Std. Seal (4001)
1	1	0100-4101N	--	Body (Ni-Resist) with Std. Seal (4101)
1	1	0100-4001X	--	Body (Silvercast) with Std. Seal (4001)
1	1	0100-4101X	--	Body (Silvercast) with Std. Seal (4101)
2	1	0200-4001N	--	Endplate (Ni-Resist) Std. Seal (4001)
2	1	0200-4101N	--	Endplate (Ni-Resist) Std. Seal (4101)
2	1	0200-4001X	--	Endplate (Silvercast) Std. Seal (4001)
2	1	0200-4101X	--	Endplate (Silvercast) Std. Seal (4101)
3	1	3430-0780	--	Rotor Assembly (Std. 4001 Ni-Resist & XL)
3	1	3430-0781	--	Rotor Assembly (Std. 4101 Ni-Resist & XL)
4	1	2230-0016	058441	Rotor Set Screw (Silvercast Only)
4	1	2230-0002	--	Rotor Set Screw
5	4	1005-0002	000288	Super Rollers (Standard)
5	4	1002-0002	009450	Polypropylene Rollers (Optional)
5	4	1055-0002	051590	Teflon® Rollers (Optional)
6	1	1720-0104	005760	O-ring Gasket for Endplate
7	4	2220-0018	--	Endplate Screw

Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
8	2	2107-0002	000369	Viton® Seal (Standard)
8	2	2102-0001	000367	Buna-N Seal (Optional)
8	2	2102-0001T	427323	Teflon®-Coated Buna-N Seal (Opt.)
9	2	2000-0010	6668162	Ball Bearing
11	1	2300-0021	055462	Bearing Cover
11A	1	6031-0258	052986	Name Plate (Specify Pump Model No.)
12	1	1420-0001	009453	Locking Collar
13	1	2230-0001	009452	Set Screw
14	1	1510-0054	--	Base
15	2	1450-0003	009454	Bumper
16	1	2570-0013	009457	Electric Motor (12 vdc, .33 hp) (gold)
16	1	2570-0015		Electric Motor (12 vdc, .39 hp) (black)
17	1	4001N-H	--	Complete Roller Pump Assy.*
17	1	4001XL-H	057678	Complete Roller Pump Assy.*
17	1	4101N-H	050467	Complete Roller Pump Assy.*
17	1	4101XL-H	051968	Complete Roller Pump Assy.*
18	2	2210-0003	139427	Bolt
19	2	2260-0002	--	Lock Washer

*Not Shown

PENTAIR HYPRO

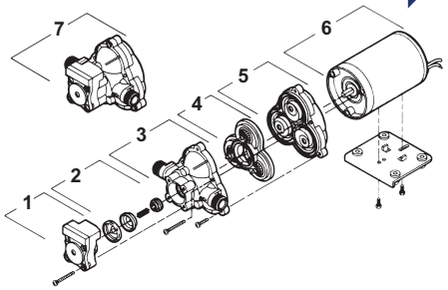
Pentair® Hypro™ Aqua-Tiger Pump Model 9700B
AGCO Part No. 054213



Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
1	3	2210-0124	--	Cover Screw
2	1	19893	--	Cover
3	1	19898	054594	O-ring, Viton®
4	1	19892	054593	Impeller
5	1	N/A	--	Mechanical Seal Assembly
6	1	00336	--	Pipe Plug
7	2	2210-0123	--	Hex Head Screw
8	1	19891	--	Housing
9	1	19928	055863	Lip Seal, Viton®
10	4	21138	--	Grommet
11	1	23697S	--	Motor 12VDC (TENV)
12	1	19929	054592	Set Screw

Shurflo Kits for Model AG721744 (2088-514-144)

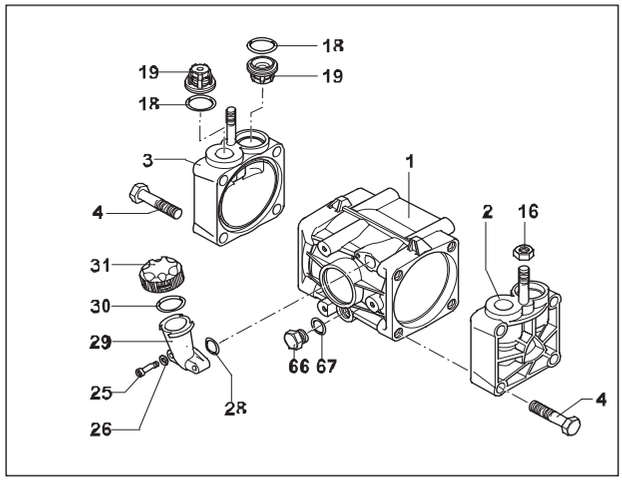
PENTAIR SHURFLO

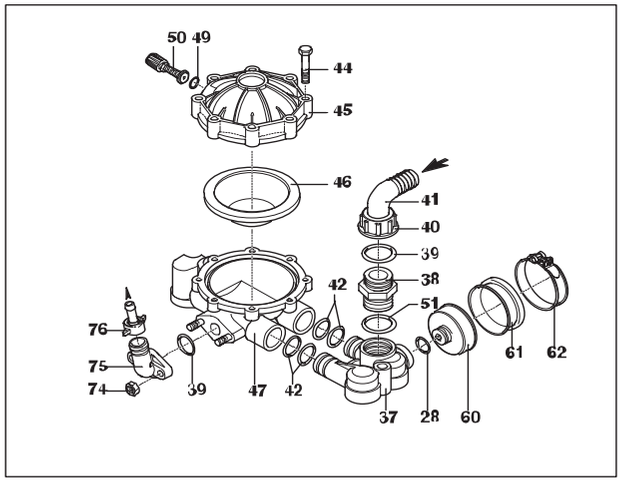


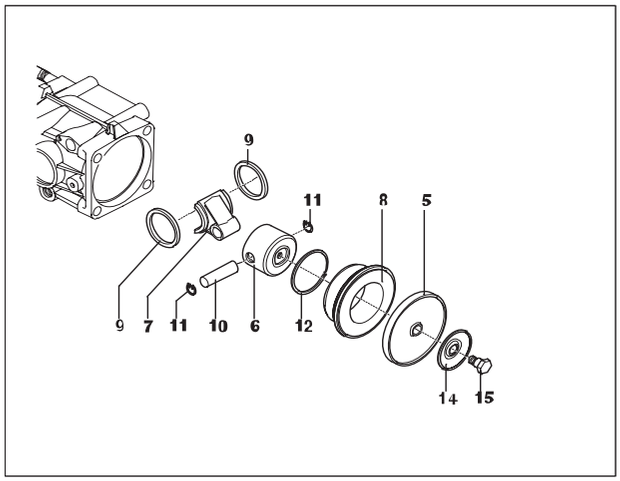
Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
1	1	94-230-35	71893	Switch Assembly (non-sealed replacement)
2	1	94-237-00	--	Check Valve Assembly
3	1	94-231-30	714079	Upper Housing
4	1	94-232-00	059104	Valve Assembly
5	1	94-238-03	716539	Diaphragm/Drive Assembly
6	1	11-226-06	--	Motor
7	1	94-231-10	712630	Upper Housing/Switch Assy.

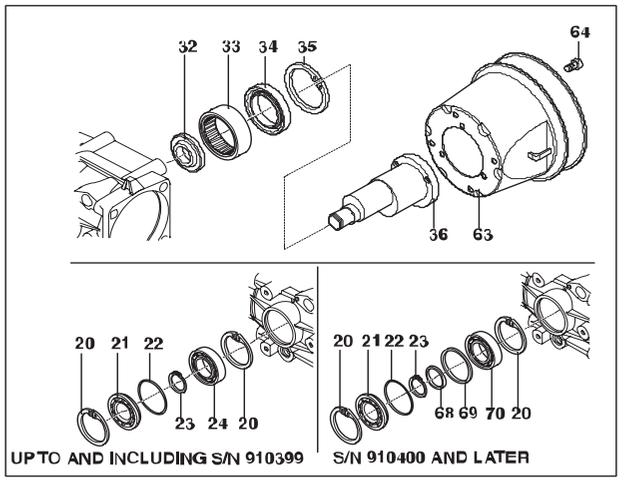
PENTAIR HYPRO

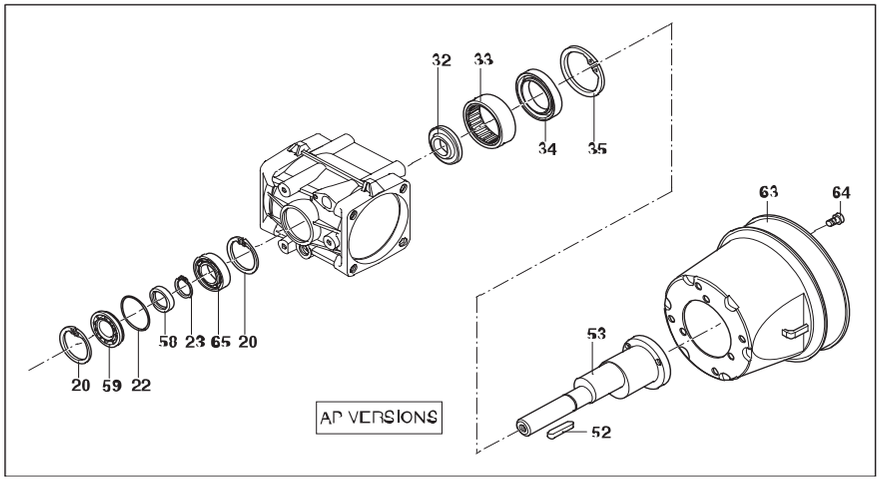
Pentair® Hypro™ Model 9910-D30
AGCO Part No. AG052412











PENTAIR HYPRO

Pentair® Hypro™ Model 9910-D30
AGCO Part No. AG052412

Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
1	1	9910-629011	--	Pump Body w/bolts
2	1	9910-620101	844445	Right Head Assembly (DX)
3	1	9910-620102	844653	Left Head Assembly (SX)
4	8	9910-621430	--	M12 x 55 Bolt
5[1]	2	9910-620085	844563	Diaphragm, Desmopan (Std.)
5	2	9910-620080	007314	Diaphragm, Buna-N (Opt.)
6	2	9910-620120	008790	Piston
7	2	9910-620140	008793	Connecting Rod
8	2	9910-620110	052779	Sleeve
9	2	9910-580470	427085	Retainer Ring
10	2	9910-380300	--	Connecting Rod Pin
11	4	9910-380080	--	Ring Pin
12	2	9910-160230	057104	Piston Ring
14	2	9910-1040180	--	Retaining Washer
15	2	9910-580360	054102	Diaphragm Bolt
16	2	9910-180150	--	Nut
18[1,2,3]	4	9910-620030	050715	O-ring
19[2]	4	9910-1409050	050716	Complete Valve Assembly
20	2	9910-111120	009889	Retaining Ring
21	1	9910-620020	726558	Cover
22[3]	1	9910-620210	009887	O-ring
23	1	9910-620291	055693	Retaining Ring
24	1	9910-620190	--	Bearing
25	2	9910-850850	--	M6 X 30 Bolt
26	2	9910-550331	--	Washer
28[3]	2	9910-180101	006531	O-ring
29	1	9910-550030	006532	Oil Sight Glass
30[3]	1	9910-550040	009888	O-ring
31	1	9910-550056	055155	Oil Sight Glass Cap
32	1	9910-620160	--	Spacer
33	1	9910-550060	009585	Roller Bearing
34	1	9910-620130	008792	Seal
35	1	9910-620330	050878	Retaining Ring
36	1	9910-620170	052071	Crankshaft
37	1	9910-620150	844654	Suction Manifold
38	1	9910-550340	006188	Threaded Adapter
39[3]	2	9910-550350	006189	O-ring
40	1	9910-550242	006187	Ring Nut
41	1	9910-550370	006190	Hose Barb 1"
42[3]	4	9910-390060	052001	O-ring
44	8	9910-621780	--	M8 X 40 Bolt
45	1	9910-629211	--	Upper Air Chamber

Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
46[1]	1	9910-550190	006185	Accumulator Diaphragm, Buna-N
47	1	9910-622070	009408	Lower Air Chamber Body
49[3]	1	9910-650542	051852	O-ring
50	1	9910-180020	050729	Air Valve
51[3]	1	9910-390290	006186	O-ring
52	1	9910-620680	--	Key (AP-A Model)
53	1	9910-620172	--	Thru-Shaft 20 mm Dia. "AP Version"
53	1	9910-620174	--	Thru-Shaft 3/4" Dia. "AP Version"
58	1	9910-620630	052070	Seal
59	1	9910-620021	009886	Cover
60	1	9910-650660	051854	Diaphragm Holder
61	1	9910-650670	007315	Suction Diaphragm
62	1	9910-650690	051853	Clamp
63	1	9910-1500350	427088	PTO Shield
64	4	9910-820670	056213	M10 X 16 Bolt
65	1	9919-620190	050918	Bearing
66	1	2406-0023	--	Drain Plug, Oil
67[3]	1	9910-740290	053655	O-ring
68	1	9910-620930	--	Spacer
69	1	9910-620940	--	Spacer
70	1	9910-380230	--	Bearing
74	2	9910-390270	051687	Nut
75	1	9910-450145	006701	Flange
76	1	9910-110130	844553	1/2" Fitting plus Hose Barb

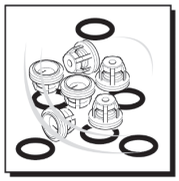
[1] Denotes Diaphragm Kit 9910-KIT1724 / AGCO No. AG006726
[2] Denotes Valve Kit 9910-KIT1917 / AGCO No. AG050767
[3] Denotes O-ring Kit 9910-KIT1916 / AGCO No. AG050023

Ref. No.	Description	Tightening Torque	
		In. Lbs.	Nm
4	Bolt	393.7	44.1
15	Bolt	262.5	29.4
16	Nut	350.0	39.2
25	M6 x 30 Bolt	87.5	9.8
44	M8 x 40 Bolt	175.0	19.6
64	M10 x 16 Bolt	87.5	9.8
74	Nut	175.0	19.6



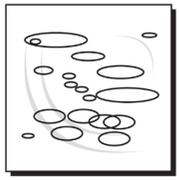
AG006726 Diaphragm Kit Desmopan

Ref. No.	Qty.
5	2
18	4
46	1



9910-KIT1917 Valve Kit

Ref. No.	Qty.
18	4
19	4

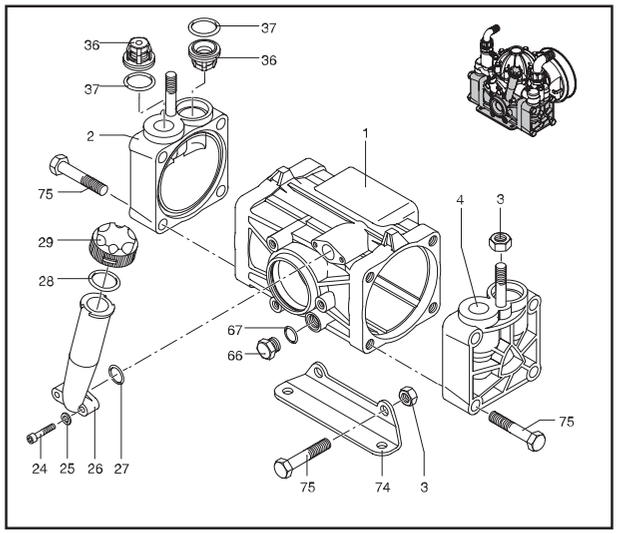


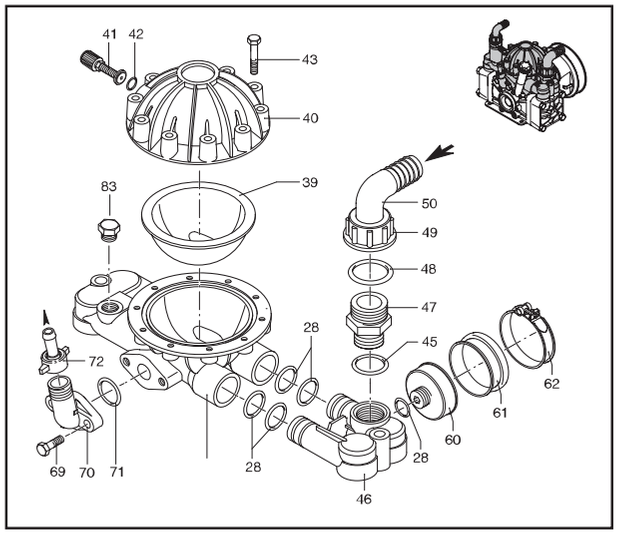
AG050023 O-ring Kit

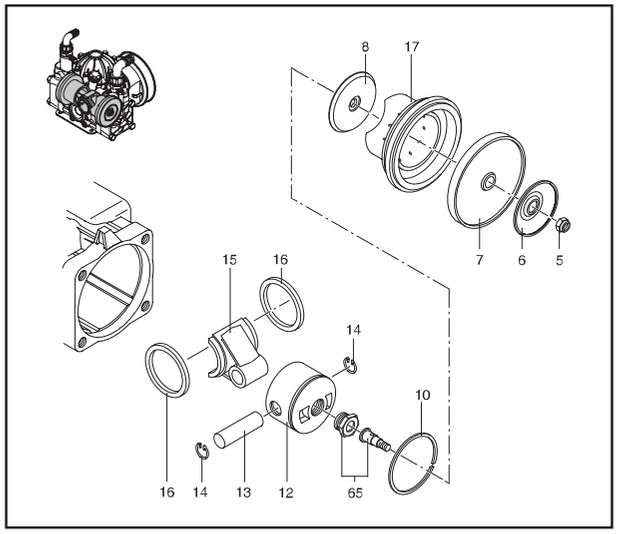
Ref. No.	Qty.
18	4
22	1
28	2
30	1
39	2
42	4
49	1
51	1
67	1

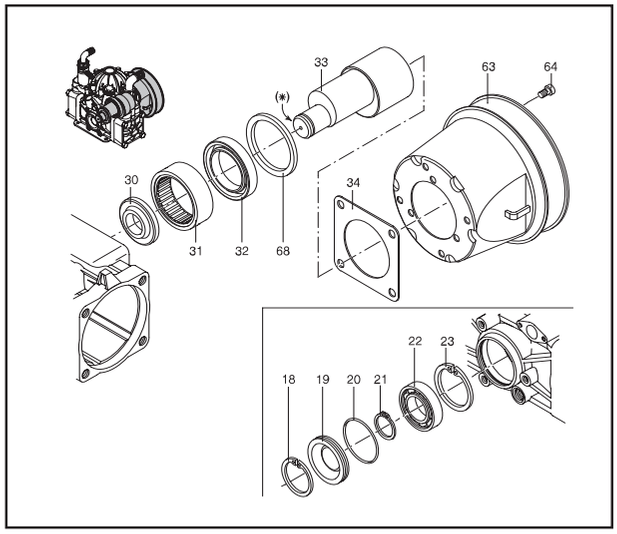
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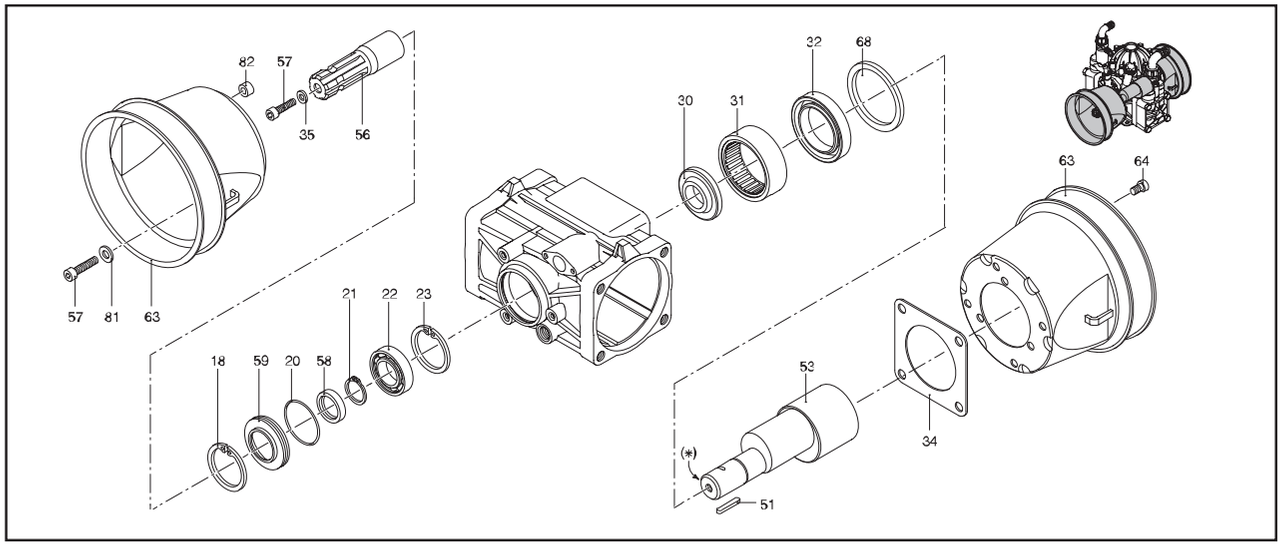
Pentair® Hypro™ Model 9910-D50
AGCO Part No. AG006143











PENTAIR HYPRO

Pentair® Hypro™ Model 9910-D50

AGCO Part No. AG006143

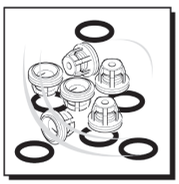
Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
1	1	9910-659011	055696	Pump body
2	1	9910-650102	050779	Left head SX
3	4	9910-320130	006199	Nut
4	1	9910-650101	--	Right head DX
5	2	9910-160311	050721	M 8 H 10 Nut
6	2	9910-650390	--	Retaining washer
7[2]	2	9910-650085	052145	Diaphragm Desmopan (Std.)
7	2	9910-650082	050781	Diaphragm Buna-N (Opt.)
7	2	9910-65008T	--	Diaphragm Buna-N with Teflon® Coating (Opt.)
8	2	9910-650090	051773	Diaphragm support washer
10	2	9910-650190	051236	Piston ring
12	2	9910-650121	051235	Piston
13	2	9910-650071	--	Piston pin
14	4	9910-160691	052144	Retainer ring
15	2	9910-650142	008784	Connecting rod
16	2	9910-650130	052143	Connecting rod rings
17	2	9910-650111	053560	Sleeve
18	1	9910-200390	--	Retainer ring
19	1	9910-650040	--	Pump body cover
20[1]	1	9910-650920	050722	O-ring
21	1	9910-650480	--	Retainer ring
22	1	9910-230330	--	Bearing
23	1	9910-161050	053619	Retainer ring
24	2	9910-850850	--	Bolt
25	2	9910-550331	--	Washer
26	1	9910-650030	009810	Oil Sight Glass
27[1]	2	9910-180101	006531	O-ring
28[1]	5	9910-550040	009888	O-ring
29	1	9910-550056	055155	Sight Glass cap
30	1	9910-650160	053568	Bearing spacer
31	1	9910-650200	053618	Roller bearing
32	1	9910-1400150	054411	Shaft seal
33	1	9910-650170	--	Shaft
34	1	9910-1400140	--	Flange
35	1	9910-961340	--	Washer
36[3]	4	9910-659050	007570	Complete valve
37[2,3,1]	4	9910-320030	006180	O-ring
38	1	9910-659204	050777	Complete lower air chamber
39[2]	1	9910-650520	050653	Air chamber diaphragm
39	1	9910-65052T	--	Air chamber diaphragm-Teflon® (Opt.)
40	1	9910-659206	050778	Upper air chamber

Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
41	1	9910-180020	050729	Air valve (includes #42)
42[1]	1	9910-650542	051852	Gasket
43	10	9910-621780	--	M8 x 40 Bolt
45[1]	1	9910-390290	006186	O-ring
46	1	9910-650150	051824	Suction manifold
47	1	9910-450120	051855	Threaded adapter
48	1	9910-390290	006186	O-ring
49	1	9910-580060	007428	Ring nut
50	1	9910-580040	009509	Hose barb 1-1/4"
51	1	9910-650250	--	Key
53	1	9910-650171	--	Through-shaft (AP-A)
56	1	9910-650300	--	PTO shaft adapter
57	4	9910-680350	--	Bolt
58	1	9910-650490	844572	Seal (AP-A model)
59	1	9910-650041	053579	Spacer (AP-A model)
60	1	9910-650660	051854	Diaphragm holder
61	1	9910-650670	007315	Dampener diaphragm
62	1	9910-650690	051853	Clamp
63	2	9910-1500350	427088	Plastic shield
64	4	9910-820670	--	M10 x 16 Bolt
65	2	9910-659080	--	Complete bushing
66	1	2406-0023	--	Drain plug, Oil
67[1]	1	9910-740290	053655	O-ring
68	1	9910-1400110	--	Flange
69	2	9910-540290	--	M8 x 25 Bolt
70	1	9910-450145	006701	Discharge flange housing
71[1]	1	9910-550350	006189	O-ring
72	1	9910-110130	844553	Hose barb and Nut 1/2"
74	2	9910-320392	--	Base
75	10	9910-750060	--	M12 x 65 Bolt
81	3	9910-380241	--	Washer
82	3	9910-1200521	--	Spacer
83	1	9910-820361	--	Plug



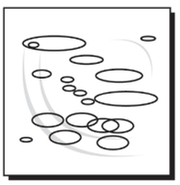
AG050007 Diaphragm Kit Desmopan

Ref. No.	Qty.
7[2]	2
37	4
39[2]	1



AG050723 Valve Kit

Ref. No.	Qty.
36	4
37	4



AG050462 O-ring Kit

Ref. No.	Qty.
20	1
27	2
28	5
37	4
42	1
45	1
67	1
71	1

[1] Denotes O-ring Kit 9910-KIT1919 / AGCO No. AG050462

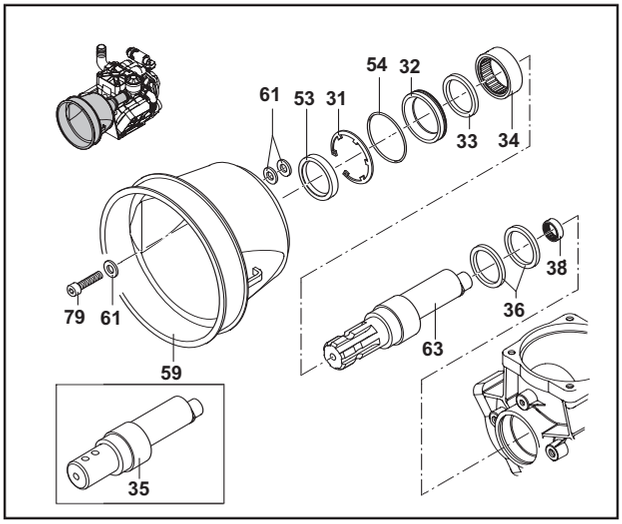
[2] Denotes Diaphragm Kit (Desmopan) 9910-KIT1725 / AGCO No. AG050007

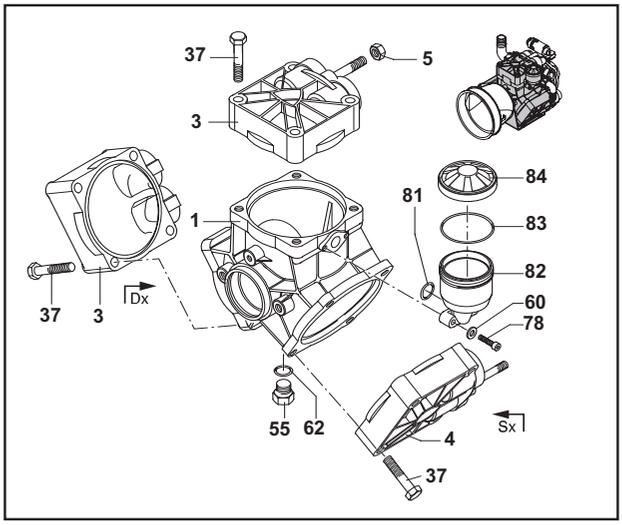
[3] Denotes Valve Kit 9910-KIT1920 / AGCO No. AG050723

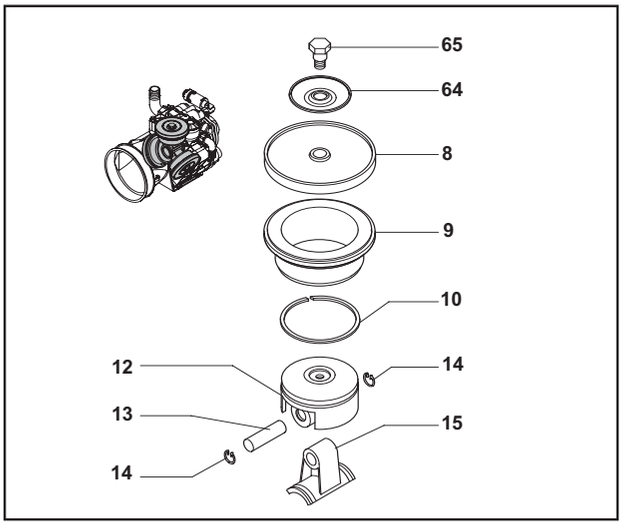
Ref. No.	Description	Tightening Torque	
		In. Lbs.	Nm
3	Nut	271.0	29.4
5	Nut	171.4	19.6
43	Bolt	171.4	19.6
57	Bolt	171.4	19.6
64	Bolt	87.5	9.8
66	Plug	171.4	19.6
69	Plug	171.4	19.6
75	Bolt	435.0	49.0

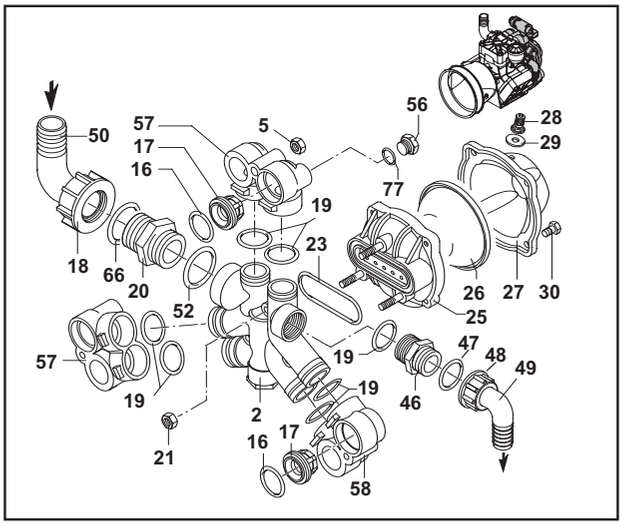
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Pentair® Hypro™ Model 9910-D115 and 9910-D135
AGCO Part No. AG007370 and AG052899

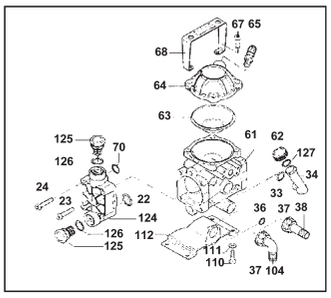


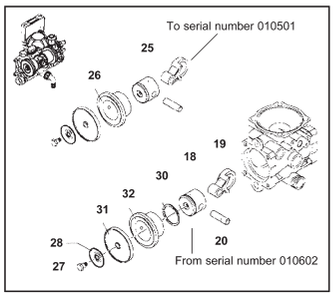


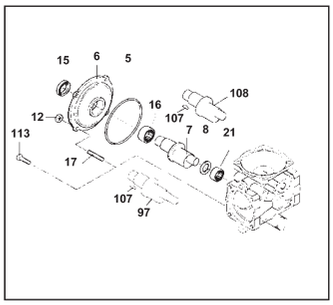


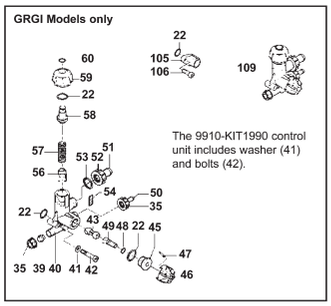


Models 9910-D252, D252GRGI, D252GRGI58, & D252GRGIAP









Ref No.	Qty. Req'd.	VPN	AGCO #	Description
22	4	9910-480440		O-Ring
35	2	9910-800520	AG050889	Ring Nut
39	1	9910-800540		Plug
40	1	9910-800400		Valve Body
41	2	9910-550331		Washer
42	2	9910-800410		M6 x 40 Bolt
43	1	9910-800430	AG059899	Valve
45	1	9910-800500		Ring Nut
46	1	9910-800510		Knob
47	1	9910-390330		Pin
48	1	9910-800560	AG059898	O-Ring
49	1	9910-800490	AG059897	Positioning Rod
50	1	9910-800530	AG050887	Hose Barb (Outlet) 3/8"
51	1	9910-800670		Hose Barb (Inlet) 1/2" bypass
52	1	9910-800680		Ring Nut
53	1	9910-740290	AG053655	O-Ring
54	1	9910-800480		ATM Scale Adhesive
56	1	9910-800440		Lower Spring Guide
57	1	9910-800450	AG056414	Spring
58	1	9910-800460		Upper Spring Guide
59	1	9910-800470	AG055956	Adjustment Knob
60	2	9910-480550		Retaining Ring
105	1	9910-450146		Flange
106	2	9910-880280		M6 x 18 Bolt
109	1	9910-KIT1990	AG009461	Complete Relief Valve Ass'y.

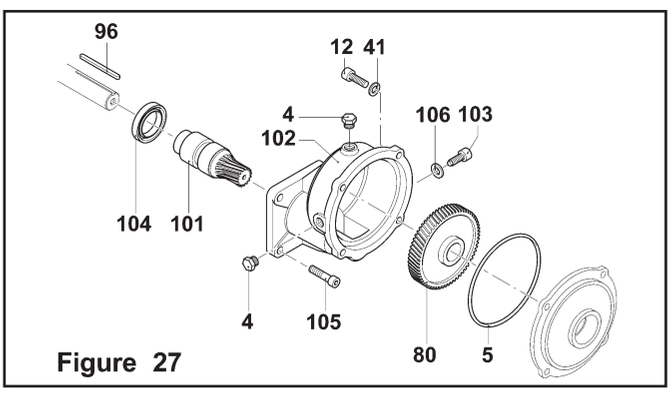


Figure 27

Ref. No.	Qty. Req'd.	VPN	AGCO #	Description
4	2	9910-620301		Plug
5	1	9910-800380	AG056003	O-Ring
6	1	9910-800020		Flange
7	1	9910-800172		3/4" Solid Shaft
8	1	9910-800160		Spacer
12	4	9910-390440		Nut
15	1	9910-800200	AG052835	Seal
16	1	9910-800180		Roller Bearing
17	4	9910-550330	AG055270	Stud
18	2	9910-802070	AG054434	Piston
19	2	9910-800140	AG054432	Connecting Rod
20	2	9910-800130		Piston Pin
21	1	9910-480370		Roller Bushing
22	5	9910-480440		O-Ring
23	1	9910-680360		M8 x 50 Bolt
24	7	9910-800220		M8 x 45 Bolt
25	2	9910-800120		Piston
26	2	9910-800110		Sleeve
27	2	9910-800090		Retaining Bolt
28	2	9910-800350		Plate
30	2	9910-802080		Piston Ring
31	2	9910-800085		Diaphragm Desmopan (Std.)
31	1	9910-80008T		Diaphragm Teflon (Opt.)
31	2	9910-800080	AG057526	Diaphragm Buna (Opt.)
32	2	9910-802050		Sleeve
33	1	9910-740290	AG053655	O-Ring
34	1	9910-801960	AG426656	Oil Sight Glass
35	2	9910-800520	AG050889	Ring Nut
36	1	9910-390180	AG053495	O-Ring
37	1	9910-550450		Ring Nut
38	1	9910-800340		Hose Barb (Inlet) 3/4"
39	1	9910-800540		Plug
40	1	9910-800400		Valve Body
41	2	9910-550331		Washer
42	2	9910-801080		M6 x 40 Bolt
43	1	9910-800430	AG059899	Valve
45	1	9910-800500		Ring Nut
46	1	9910-800510		Knob
47	1	9910-390330		Pin
48	1	9910-800560	AG059898	O-Ring
49	1	9910-800490	AG059897	Positioning Rod
50	1	9910-800530	AG050887	Hose Barb (Outlet) 3/8"
51	1	9910-800670		Hose Barb (Bypass) 5/8"
52	1	9910-800680		Ring Nut
53	1	9910-740290	AG053655	O-Ring
54	1	9910-800480		ATM Scale Adhesive
56	1	9910-800440		Lower Spring Guide
57	1	9910-800450	AG056414	Spring
58	1	9910-800460		Upper Spring Guide
59	1	9910-800470	AG055956	Adjustment Knob
60	1	9910-480550		Retaining Ring
61	1	9910-800010		Pump Body
62	1	9910-550057		Cap
63	1	9910-800190		Accumulator Diaphragm (Buna-N)
63	1	9910-80019T		Accumulator Diaphragm (Teflon)
64	1	9910-809205	AG057653	Upper Air Chamber
65	1	9910-800650		Valve
67	4	9910-540290	AG334233	M8 x 25 Bolt
68	1	9910-800390		Handle
70	2	9910-800210		O-Ring
80	1	9910-800280	AG054416	Gear
96	1	9910-881090		Key
97	1	9910-800173		Thru-Shaft AP, 5/8"
101	1	9910-800810	AG052722	Driver Gear, 3/4" shaft only
104	2	9910-550460		Elbow
105	1	9910-800691	AG052027	Flange, 1/2" NPT
106	2	9910-880280		M6 x 18 Bolt
107	1	9910-800590		Key
108	1	9910-800171		Shaft "GR-Version," 3/4"
109	1	9910-Kit1990	AG009461	Control unit
110	2	9910-180431		M8 x 16 Bolt
111	2	9910-380241		Washer
112	1	9910-800311		Pulley Base
113	4	9910-320350		M6 x 12 Bolt
124	2	9910-801940		Head
125	4	9910-809060V	AG726792	Valve Assembly
126	4	9910-880830		O-Ring
127	1	9910-550040	AG009888	O-Ring

Models 9910-D252, D252GRGI, D252GRGI58, & D252GRGIAP

Ref. No.	Part Number	Description	Qty.
5[3]	9910-800380	O-Ring	1
6	9910-800020	Flange	1
7	9910-800172	3/4" Solid Shaft	1
8	9910-800160	Spacer	1
12	9910-390440	Nut	4
15	9910-800200	Seal	1
16	9910-800180	Roller Bearing	1
17	9910-550330	Stud	4
18	9910-802070	Piston	2
19	9910-800140	Connecting Rod	2
20	9910-800130	Piston Pin	2
21	9910-480370	Roller Bushing	1
22[1,3]	9910-480440	O-Ring	5
23	9910-680360	M8 x 50 Bolt	1
24	9910-800220	M8 x 45 Bolt	7
25	9910-800120	Piston	2
26	9910-800110	Sleeve	2
27	9910-800090	Retaining Bolt	2
28	9910-800350	Plate	2
30	9910-802080	Piston Ring	2
31[1]	9910-800085	Diaphragm Desmopan (Std.)	2
31	9910-80008T	Diaphragm Teflon (Opt.)	1
31	9910-800080	Diaphragm Buna (Opt.)	2
32	9910-802050	Sleeve	2
33[3]	9910-740290	O-Ring	1
34	9910-801960	Oil Sight Glass	1
35	9910-800520	Ring Nut	2
36[3]	9910-390180	O-Ring	1
37	9910-550450	Ring Nut	1
38	9910-800340	Hose Barb (Inlet) 3/4"	1
39	9910-800540	Plug	1
40	9910-800400	Valve Body	1
41	9910-550331	Washer	2
42	9910-801080	M6 x 40 Bolt	2
43	9910-800430	Valve	1
45	9910-800500	Ring Nut	1
46	9910-800510	Knob	1
47	9910-390330	Pin	1
48[3]	9910-800560	O-Ring	1
49	9910-800490	Positioning Rod	1
50	9910-800530	Hose Barb (Outlet) 3/8"	1
51	9910-800670	Hose Barb (Bypass) 5/8"	1
52	9910-800680	Ring Nut	1
53[3]	9910-740290	O-Ring	1
54	9910-800480	ATM Scale Adhesive	1
56	9910-800440	Lower Spring Guide	1

Ref. No.	Part Number	Description	Qty.
57	9910-800450	Spring	1
58	9910-800460	Upper Spring Guide	1
59	9910-800470	Adjustment Knob	1
60	9910-480550	Retaining Ring	1
61	9910-800010	Pump Body	1
62	9910-550057	Cap	1
63[1]	9910-800190	Accumulator Diaphragm (Buna-N)	1
63	9910-80019T	Accumulator Diaphragm (Teflon)	1
64	9910-809205	Upper Air Chamber	1
65	9910-800650	Valve	1
67	9910-540290	M8 x 25 Bolt	4
68	9910-800390	Handle	1
70[1,3]	9910-800210	O-Ring	2
97	9910-800173	Thru-Shaft AP, 5/8"	1
104	9910-550460	Elbow	2
105	9910-800691	Flange, 1/2" NPT	1
106	9910-880280	M6 x 18 Bolt	2
107	9910-800590	Key	1
108	9910-800171	Shaft "GR-Version," 3/4"	1
109	9910-Kit 1990	Control unit	1
110	9910-180431	M8 x 16 Bolt	2
111	9910-380241	Washer	2
112	9910-800311	Pulley Base	1
113	9910-320350	M6 x 12 Bolt	4
124	9910-801940	Head	2
125[2]	9910-809060V	Valve Assembly	4
126[2,3]	9910-880830	O-Ring	4
127[3]	9910-550040	O-Ring	1

Ref. No.	Description	Tightening Torque	
		In. Lbs.	Nm
23	Bolt	175.0	19.6
24	Bolt	175.0	19.6
27	Retaining Bolt	175.0	19.6
42	Bolt	87.5	9.8
67	Bolt	200.8	22.5
106	Bolt	87.5	9.8
110	Bolt	175.0	19.6
113	Bolt	87.5	9.8
125	Valve Assembly	131.2	14.7

[1] Denotes Diaphragm Kit 9910-KIT1723
[2] Denotes Valve Kit 9910-KIT2408
[3] Denotes O-Ring Kit 9910-KIT2409



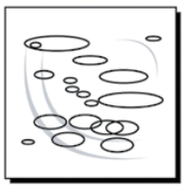
9910-KIT1723 Diaphragm Kit Desmopan

Ref. No.	Qty.
22	2
31[1]	2
63[1]	1
70	2



9910-KIT2408 Valve Kit

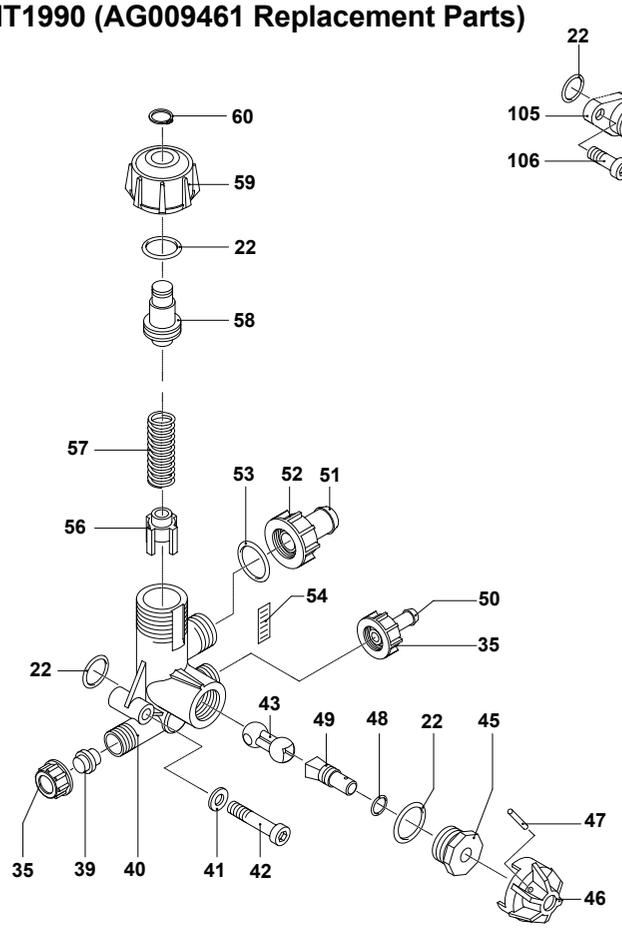
Ref. No.	Qty.
125	4
126	4

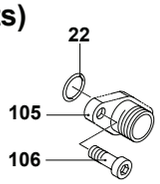


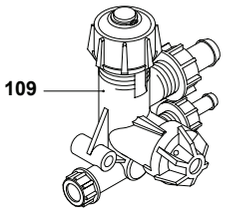
9910-KIT2409 O-Ring Kit

Ref. No.	Qty.
5	1
22	5
33	4
36	1
48	1
53	1
70	1
126	4
127	1

9910-KIT1990 (AG009461 Replacement Parts)







9910-KIT1990 also includes Ref. Nos. 22, 41 and 42.

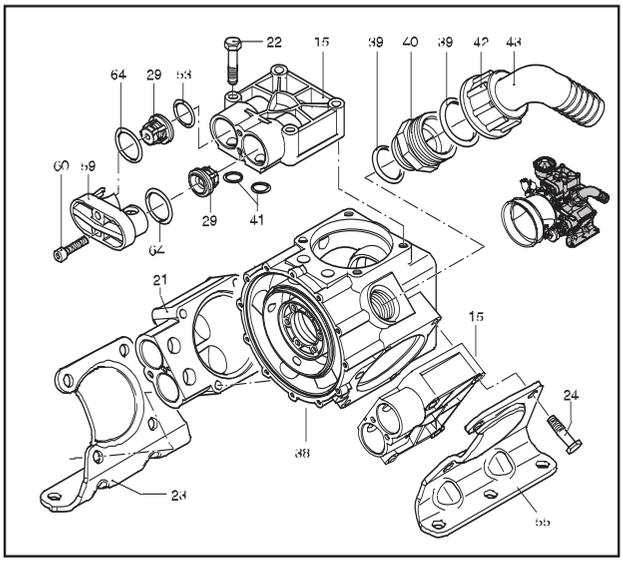
Figure 13

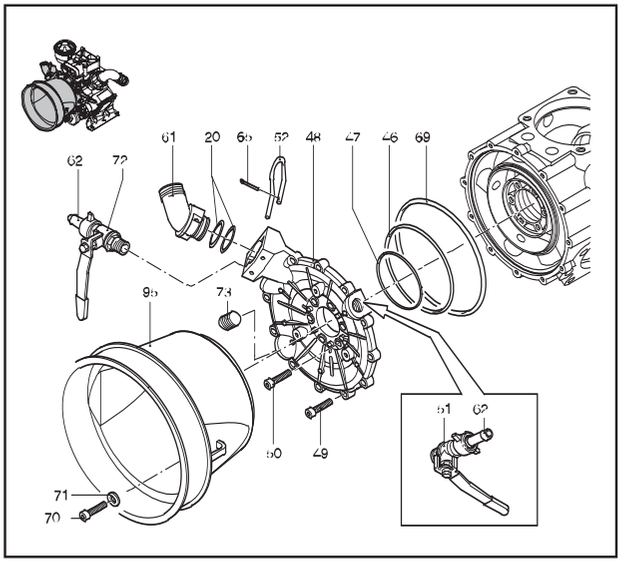
Ref. No.	Part Number	Description	Qty.
22	9910-480440	O-Ring	4
35	9910-800520	Ring Nut	2
39	9910-800540	Plug	1
40	9910-800400	Valve Body	1
41	9910-550331	Washer	2
42	9910-800410	M6 x 40 Bolt	2
43	9910-800430	Valve	1
45	9910-800500	Ring Nut	1
46	9910-800510	Knob	1
47	9910-390330	Pin	1
48	9910-800560	O-Ring	1
49	9910-800490	Positioning Rod	1
50	9910-800530	Hose Barb (Outlet) 3/8"	1
51	9910-800670	Hose Barb (Inlet) 1/2" bypass	1
52	9910-800680	Ring Nut	1
53	9910-740290	O-Ring	1

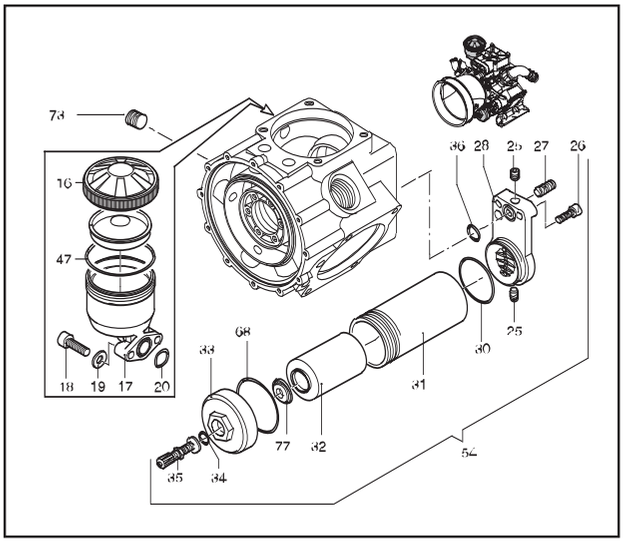
Ref. No.	Part Number	Description	Qty.
54	9910-800480	ATM Scale Adhesive	1
56	9910-800440	Lower Spring Guide	1
57	9910-800450	Spring	1
58	9910-800460	Upper Spring Guide	1
59	9910-800470	Adjustment Knob	1
60	9910-480550	Retaining Ring	2
105	9910-450146	Flange	1
106	9910-880280	M6 x 18 Bolt	2
109	9910-KIT1990	Complete Relief Valve Ass'y.	1

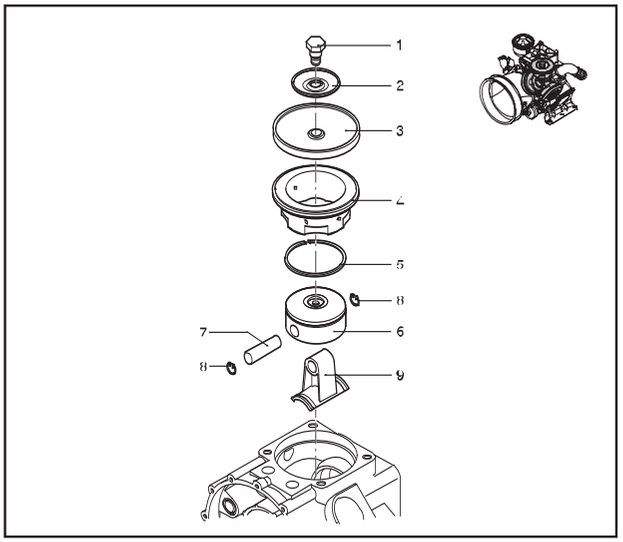
Ref. No.	Description	Tightening Torque	
		In. Lbs.	Nm
42	Bolt	171.4	19.6
106	Bolt	171.4	19.6

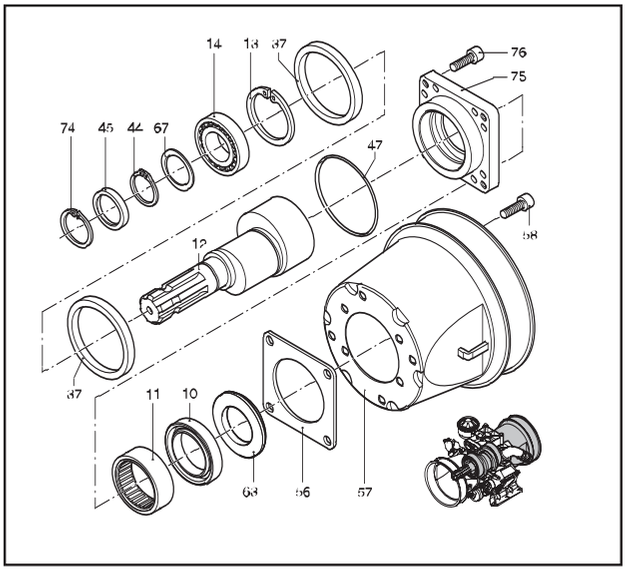
Parts Illustrations for Model 9910-D813



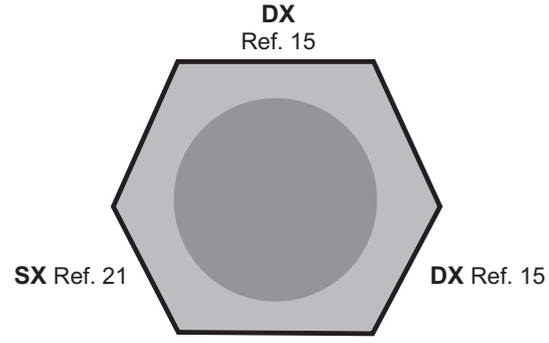








NOTE: Head setup from Valve Cap side



Parts List for Model 9910-D813

REF. NO.	PART NUMBER	DESCRIPTION	QTY. REQ'D.
1	9910-580360	Retaining bolt	3
2	9910-1040180	Retaining bolt washer	3
3	9910-1040080	Diaphragm, Desmopan (Std.)	3
3A	9910-1040081	Diaphragm, Buna-N (Opt.)	3
3B	9910-104008T	Diaphragm, Buna-N with Teflon Coating (Opt.)	3
4	9910-1500080	Piston sleeve	3
5	9910-650190	Piston ring	3
6	9910-1040120	Piston	3
7	9910-1040070	Connecting pin	3
8	9910-1040270	Snap ring	6
9	9910-1800050	Connecting rod	3
10	9910-1400150	Shaft seal	1
11	9910-650200	Roller bearing	1
12	9910-1800200	Crankshaft	1
13	9910-161050	Retainer ring	1
14	9910-161060	Bearing	1
15	9910-1040551	Head (DX)	2
16	9910-1800060	Oil cap	1
17	9910-680031	Oil reservoir	1
18	9910-680350	M8x35 Bolt	2
19	9910-380241	Washer	2
20	9910-390180	O-ring	3
21	9910-1040552	Head (SX)	1
22	9910-1480040	M12x60 Bolt	8
23	9910-1800440	Left base	1
24	9910-750060	M12x65 Bolt	4
25	9910-1040470	Plug	2
26	9910-320360	M8x22 Bolt	2
27	9910-1040260	Plug (oil drain)	1
28	9910-1800290	Pulsation damper flange	1
29	9910-1409050	Valve assembly	6
30	9910-540360	O-ring	1
31	9910-1800280	Pulsation damper body	1
32	9910-1800300	Diaphragm	1
33	9910-1800270	Pulsation damper cap	1
34	9910-650542	O-ring	1
35	9910-1800350	Air Valve	1
36	9910-640070	O-ring	1
37	9910-1040340	Retaining ring	2
38	9910-1800140	Pump Body	1
39	9910-250310	O-ring	2
40	9910-540530	Threaded adapter	1
41	9910-770571	O-ring	6
42	9910-540540	Hose barb nut	1
43	9910-540550	Hose barb 1-1/2"	1
44	9910-1040570	Retainer ring	1
45	9910-1040050	Oil seal	1
46	9910-1800161	O-ring	1
47	9910-1040060	O-ring	3
48	9910-1800150	Manifold	1
49	9910-1040370	M6x22 Bolt	12
50	9910-780060	M6x25 Bolt	6
51	9910-130491	Outlet ball valve w/o barb	1
52	9910-1040690	Retainer clip	1
53	9910-620030	O-ring	6
54	9910-KIT1536	Pulsation damper assy	1
55	9910-1800430	Right base	1
56	9910-1400140	Flange	1
57	9910-1500350	Shield	1
58	9910-820670	M10x16 Bolt	4
59	9910-1300190	Valve retainer	3
60	9910-620610	M8x30 Bolt	6
61	9910-1040760	Outlet adapter (3/4" BSP)	1
61	9910-1040761	Outlet adapter (3/4" NPT)	1
62	9910-110131	Hose barb	2
63	9910-1400110	Flange	1
64	9910-540361	O-ring	6
65	9910-1040950	Cotter pin	1
66	N/A	Oil breather cap	1
67	9910-1040850	Washer	1
68	9910-650560	Dampener O-ring	1
69	9910-1400120	O-ring	1
70	9910-1343510	M6x14 Bolt	3
71	9910-881710	Washer	3
72	9910-130492	Outlet ball valve w/ barb	1
73	9910-1800240	Plug	2
74	9910-1460490	Snap ring	1
75	9910-1800210	Flange	1
76	9910-180030	M8x20 Bolt	8
77	9910-1800311	Plate	1

Ref. No.	Description	Tightening Torque	
		In. Lbs.	Nm
1	Bolt	262.5	29.4
22	Bolt	435.5	49.0
24	Bolt	320.8	36.1
26	Bolt	171.4	19.6
49	Bolt	87.5	9.8
50	Bolt	87.5	9.8
58	Bolt	87.5	9.8
60	Bolt	435.5	49.0
73	Plug	87.5	9.8
76	Bolt	87.5	9.8



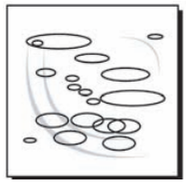
9910-KIT2479 Diaphragm Kit Desmopan

Ref. No.	Qty.
3	3
32	1
41	6



9910-KIT1963 Valve Kit

Ref. No.	Qty.
29	6
53	6

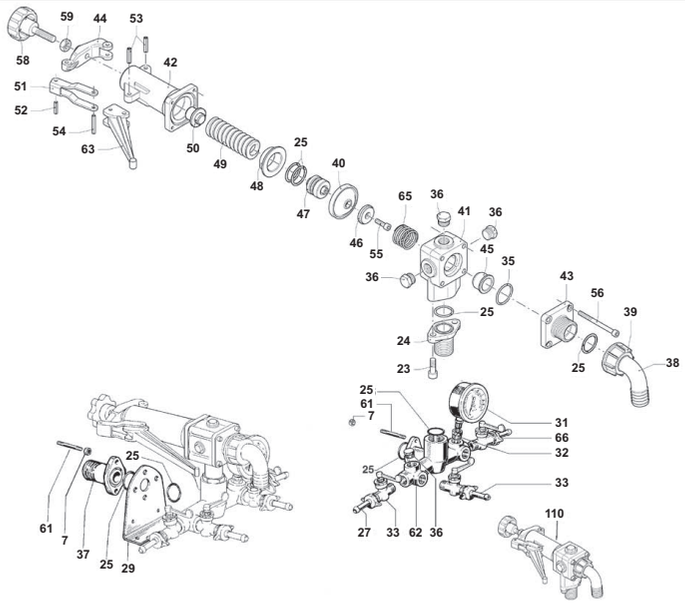


9910-KIT2376 O-Ring Kit

Ref. No.	Qty.
20	3
30	1
36	1
39	2
41	6
46	1
47	3
53	6
64	6
69	1

NOTE: When ordering parts, give QUANTITY, PART NUMBER, DESCRIPTION, and COMPLETE PUMP MODEL NUMBER. Reference numbers are used ONLY to identify parts in the drawing and are NOT to be used as order numbers.

Parts List for Control Unit 9910-GS50GI



Ref. No.	Qty. Req'd.	VPN	AGCO #	Description
7	2	9910-380240		Nut
23	2	9910-620610		M8x30 Bolt
24	1	9910-850711		Flange 3/4"
25	6	9910-550350	AG006189	O-Ring
26	1	9910-680330		Flange
27	3	9910-110131		Fitting 1/2"
29	1	9910-320406		Bracket
31	1	2640-0002		Pressure gauge (1500 PSI)
32	1	9910-130170		Pipe reducer
33	2	9910-130491		Right ball valve
35	1	9910-280220	AG057351	O-Ring
36	3	9910-130171		Plug
37	1	9910-550393		Port adapter 1" NPT OD, 3/4" ID
38	1	9910-550370	AG006190	Elbow, 90°
39	1	9910-550242	AG006187	Barb nut
40	1	9910-390740	AG057850	Diaphragm
41	1	9910-680412		Valve body
42	1	9910-680423		Spring housing
43	1	9910-680432		Discharge flange
44	1	9910-680442		Tension adj. support
45	1	9910-680460	AG057849	Valve seat retainer
46	1	9910-680470	AG057848	Valve seat
47	1	9910-680480		Valve piston
48	1	9910-680490		Piston valve seat
49	1	9910-680500		Regulating spring
50	1	9910-680510		Spring guide
51	1	9910-680520		Lever guide
52	1	9910-680530		Lever guide pin
53	2	9910-680540		Support pin
54	1	9910-680550		Roll pin
55	1	9910-680700		M6x20 Bolt
56	4	9910-680570		M6x60 Bolt
58	1	9910-660130		Control knob
59	1	9910-180150		Nut
61	2	9910-720390		Stud
62	1	9910-680400		Control unit body
63	1	9910-680452		Control lever
65	1	9910-320420	AG051386	Spring
66	1	9910-KIT2497		1/2" barb ball valve
110	1	9910-689060		Complete reg valve

Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
1	3	9910-580360	AG054102	Retaining bolt
2	3	9910-1040180		Retaining bolt washer
3	3	9910-1040080	AG053621	Diaphragm, Desmopan (Std.)
3A	3	9910-1040081		Diaphragm, Buna-N (Opt.)
3B	3	9910-104008T		Diaphragm, Buna-N with Teflon Coating (Opt.)
4	3	9910-1500080		Piston sleeve
5	3	9910-650190		Piston ring
6	3	9910-1040120		Piston
7	3	9910-1040070		Connecting pin
8	6	9910-1040270		Snap ring
9	3	9910-1800050		Connecting rod
10	1	9910-1400150	AG054411	Shaft seal
11	1	9910-650200	AG053618	Roller bearing
12	1	9910-1800200		Crankshaft
13	1	9910-161050		Retainer ring
14	1	9910-161060		Bearing
15	2	9910-1040551		Head (DX)
16	1	9910-1800060	AG054340	Oil cap
17	1	9910-680031		Oil reservoir
18	2	9910-680350		M8x35 Bolt
19	2	9910-380241		Washer
20	3	9910-390180	AG053495	O-ring
21	1	9910-1040552		Head (SX)
22	8	9910-1480040		M12x60 Bolt
23	1	9910-1800440		Left base
24	4	9910-750060		M12x65 Bolt
25	2	9910-1040470		Plug
26	2	9910-320360		M8x22 Bolt
27	1	9910-1040260		Plug (oil drain)
28	1	9910-1800290		Pulsation damper flange
29	6	9910-1409050	AG058645	Valve assembly
30	1	9910-540360		O-ring
31	1	9910-1800280		Pulsation damper body
32	1	9910-1800300		Diaphragm
33	1	9910-1800270		Pulsation damper cap
34	1	9910-650542		O-ring
35	1	9910-1800350		Air Valve
36	1	9910-640070		O-ring
37	2	9910-1040340	AG053612	Retaining ring
38	1	9910-1800140		Pump Body
39	2	9910-250310		O-ring
40	1	9910-540530		Threaded adapter
41	6	9910-770571		O-ring
42	1	9910-540540		Hose barb nut
43	1	9910-540550	AG844946	Hose barb 1-1/2"
44	1	9910-1040570		Retainer ring
45	1	9910-1040050	AG053615	Oil seal
46	1	9910-1800161	AG726185	O-ring
47	3	9910-1040060	AG053617	O-ring
48	1	9910-1800150	AG060603	Manifold
49	12	9910-1040370		M6x22 Bolt
50	6	9910-780060		M6x25 Bolt
51	1	9910-130491		Outlet ball valve w/o barb
52	1	9910-1040690	AG059217	Retainer clip
53	6	9910-620030	AG050715	O-ring
54	1	9910-KIT1536		Pulsation damper assy
55	1	9910-1800430		Right base
56	1	9910-1400140		Flange
57	1	9910-1500350	AG427088	Shield
58	4	9910-820670		M10x16 Bolt
59	3	9910-1300190		Valve retainer
60	6	9910-620610		M8x30 Bolt
61	1	9910-1040760		Outlet adapter (3/4" BSP)
61	1	9910-1040761		Outlet adapter (3/4" NPT)
62	2	9910-110131		Hose barb
63	1	9910-1400110		Flange
64	6	9910-540361		O-ring
65	1	9910-1040950 Cotter pin		
66	1			Oil breather cap
67	1	9910-1040850		Washer
68	1	9910-650560		Dampener O-ring
69	1	9910-1400120		O-ring
70	3	9910-1343510		M6x14 Bolt
71	3	9910-881710		Washer
72	1	9910-130492		Outlet ball valve w/ barb
73	2	9910-1800240		Plug
74	1	9910-1460490		Snap ring
75	1	9910-1800210		Flange
76	8	9910-180030		M8x20 Bolt
77	1	9910-1800311		Plate

To find your nearest dealer or to order, go to parts.agcocorp.com

PENTAIR HYPRO

Pentair® Hypro™ Model 9910-D115 and 9910-D135
AGCO Part No. AG007370 and AG052899

Ref. No.	Qty. Req'd.	VPN	AGCO#	Description
1	1	9910-580013	--	Pump body with bolts
2	1	9910-580150	--	Manifold
3	2	9910-550101	006184	DX Right head
4	1	9910-550102	006183	SX Left head
5	3	9910-180152	--	Nut
8	3	9910-550080	006182	Diaphragm (Buna) Opt.
8	3	9910-550085	051024	Diaphragm (Desmopan) Std.
9	3	9910-580110	052797	Sleeve (D115)
9	3	9910-580350	--	Sleeve (D135)
10	3	9910-500260	009586	Piston ring
12	3	9910-580120	718731	Piston
13	3	9910-380300	057103	Pin
14	6	9910-38008	--	Pin ring
15	3	9910-580140	053510	Connecting rod
16	6	9910-320030	006180	O-ring
17	6	9910-759051	006181	Complete valve
18	1	9910-540541	--	Ring nut
19	7	9910-390291	050631	O-ring
20	1	9910-540530	050379	Threaded adapter
21	3	9910-390271	--	Nut
23	1	9910-580050	--	Gasket
25	1	9910-580180	052199	Accumulator manifold
26	1	9910-550190	006185	Accumulator diaphragm
27	1	9910-559204	009471	Accumulator head
28	1	9910-550300	006536	Air valve
29	1	9910-650542	051852	O-ring
30	4	9910-550680	054267	M8 x 20 Bolt
31	1	9910-200391	006097	Retainer ring
32	1	9910-550470	006919	Gasket retainer
33	1	9910-550070	051508	Spacer ring
34	1	9910-550060	009585	Roller bearing
35	1	9910-550170	054101	Shaft (D115)
36	2	9910-580470	427085	Connecting rod ring
37	12	9910-551040	--	M10 x 55 Bolt
38	1	9910-550310	006537	Roller bushing
46	1	9910-550340	006188	Threaded adapter
47	1	9910-550350	006189	O-ring
48	1	9910-550242	006187	Ring nut
49	1	9910-550370	006190	Elbow 1"
50	1	9910-540550	844946	Elbow 1-1/2"
52	1	9910-250310	050380	O-ring
53	1	9910-550491	006918	Seal ring
54	1	9910-650920	050722	O-ring
55	1	2406-0023	--	Oil drain plug
56	1	9910-330173	--	Plug
57	2	9910-589200	426043	DX Right valve retainer w/plug/O-ring
58	1	9910-580072	--	SX Left valve retainer
59	1	9910-1500350	427088	Shield
60	2	9910-550332	--	Washer
61	5	9910-320621	--	Washer
62	1	9910-740290	053655	O-ring
63	1	9910-580330	--	Shaft (D135)
64	3	9910-580370	053903	Plate
65	3	9910-580360	054102	Diaphragm bolt
66	1	9910-250310	050380	O-ring
69	2	9910-200233	--	Washer
77	1	9910-180101	006531	O-ring
78	2	9910-850851	--	M6 x 30 Bolt
79	3	9910-620472	--	M10 x 20 Bolt
81	1	9910-390180	053495	O-ring
82	1	9910-1040310	053376	Oil sight glass
83	1	9910-650920	050722	O-ring
84	1	9910-1040322	058266	Black oil tank cap

Ref. No.	Description	Tightening Torque	
		In. Lbs.	Nm
5	Nut	350.0	39.2
21	Nut	171.4	19.6
30	Bolt	171.4	19.6
37	Bolt	350.0	39.2
55	Plug	171.4	19.6
65	Diaphragm Bolt	262.5	29.4
78	Bolt	87.5	9.8
79	Bolt	350.0	39.2

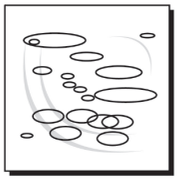
O-Ring Kit 9910-KIT2026 / AGCO No. AG060605
Diaphragm Kit (Desmopan) 9910-KIT1721 / AGCO No. AG009798
Valve Kit 9910-KIT2370 / AGCO No. AG055945



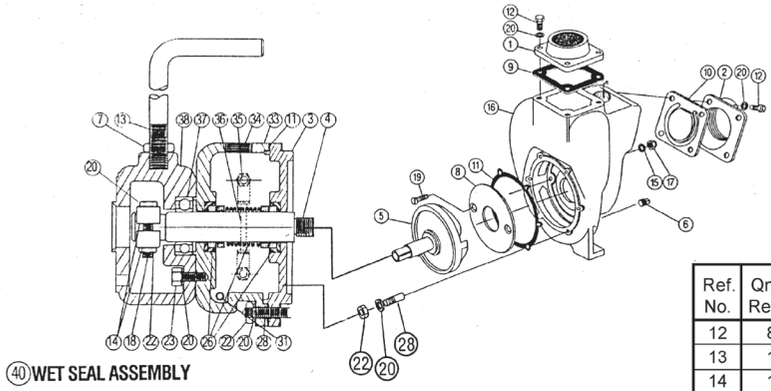
AG009798 Diaphragm Kit Desmopan	
Ref. No.	Qty.
8	3
16	6
26	1



AG055945 Valve Kit	
Ref. No.	Qty.
16	6
17	6



AG060605 O-ring Kit	
Ref. No.	Qty.
16	6
19	7
29	1
47	1
52	1
54	1
62	1
66	1
81	1
83	1



Banjo Wet Seal 2" Cast Iron Self-Priming Centrifugal Pump

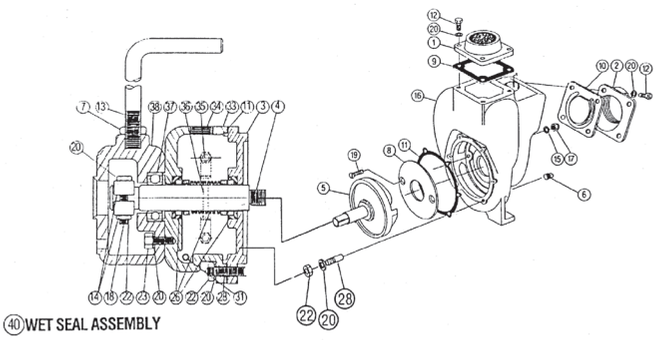
AGCO Part Nos. AG053736 and AG053735

Ref. No.	Qnty. Req'd	VPN	AGCO No.	Description
1	1	17000	006213	Flange - Outlet 2"
2	1	17002	005793	Flange - Inlet 20° 2"
3	1	17202	—	Coverplate
4	1	17205	—	Sleeve - Drive 5/8"
4	1	17206	—	Sleeve - Drive 3/4"
4	1	17207	—	Sleeve - Drive 7/8"
5	1	17208	—	Impeller
6	1	17009	006210	Nut, Hex 5/8" - 18 UNF - RH
7	1	17010	007130	Nut, Hex 1/2" - 13 UNF - RH
8	1	17011	005613	Wear Plate
9	1	17013	005904	EPDM Gasket
10	1	17016	006228	Gasket - Check Valve Assembly
11	3	17018	005611	Gasket Adapter

Ref. No.	Qnty. Req'd	VPN	AGCO No.	Description
12	8	17019	007123	Capscrew 5/16" - 18 x 3/4"
13	1	17022	007122	Handle
14	1	17023	007166	Clamp, 5/8", 3/4" Shaft
15	1	17025	007120	Wear Plate Gasket
16	1	17026	005795	Pump Housing
17	2	17027	007119	SS Acorn Nut 5/16" - 18
18	2	17029	007118	Capscrew 5/16" - 18 x 1¾"
19	2	17030	007117	Flat Head 82° C'SK Screw
20	2	V0118		Lockwasher 5/16"
22	8	V0119	—	5/16" - 18 Hex Nut Stainless Steel
23	4	17019	007123	5/16" - 18 x 3/4" Bolt
26	1	17235	054901	Seal Assm. (Viton)
28	6	17242	—	Housing Stud
31	1	17032	—	Drain Plug - 1/4"
33	1	17201	—	Reservoir
34	1	17210	—	1/2" Fill Plug
35	2	17211	—	Male Elbow - Legris 3/16
36	1	17212	—	Liquid Level Tube
37	1	17213	—	Bearing Peer 1641
38	1	17203	—	Adapter, Wet Seal
N/S	1	17100W	054321	Pump Repair Kit
40	1	17200	058138	Wet Seal Assembly Conversion

Banjo Wet Seal 2" Stainless Steel Self-Priming Centrifugal Pump

AGCO Part Nos. AG053732 and AG053731

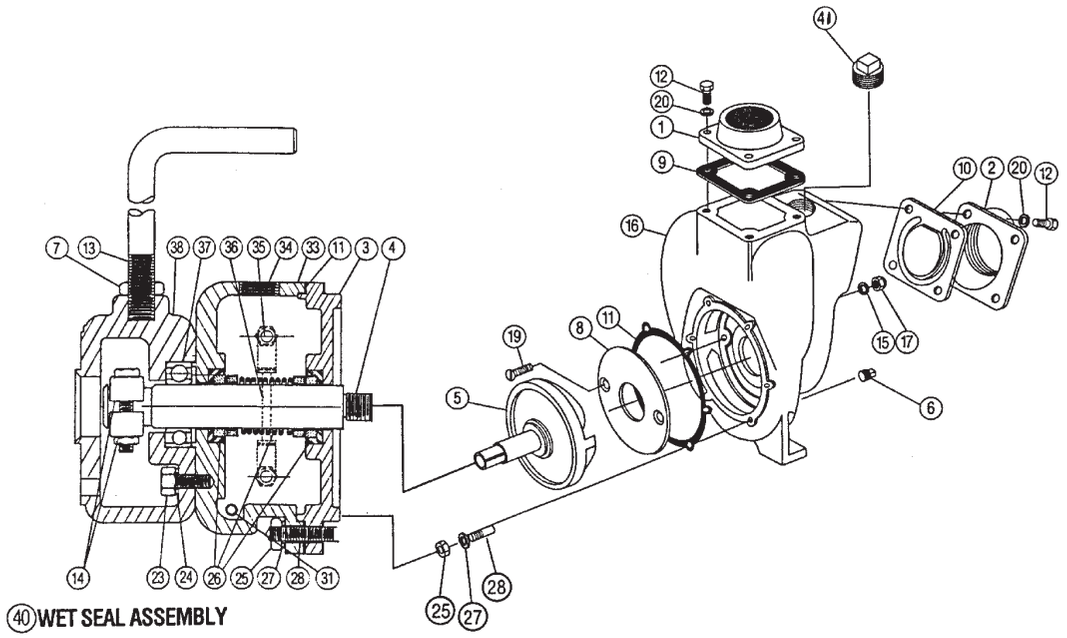


Ref. No.	Qnty. Req'd	VPN	AGCO No.	Description
1	1	17000SS	053115	Flange - Outlet 2"
2	1	17002SS	053114	Flange - Inlet 20° 2"
3	1	17202SS	—	Coverplate
4	1	17205	—	Sleeve - Drive 5/8"
4	1	17206	—	Sleeve - Drive 3/4"
4	1	17207	—	Sleeve - Drive 7/8"
5	1	17208SS	—	Impeller
7	1	17010	007130	Nut, Hex 1/2" - 13 UNF - RH
8	1	17011SS	053110	Plate - Wear
9	1	17014	053107	Gasket
10	1	17017	053106	Gasket & Flap
11	3	17018	005611	Gasket - Adapter
12	8	17019	007123	Capscrew 5/16" - 18 x 3/4"
13	1	17022	007122	Handle
14	1	17023	007166	Clamp, 5/8", 3/4" Shaft
14	1	17024	001721	Clamp, 7/8" Shaft
15	1	17025	007120	Gasket-Wear Plate
16	1	17026SS	053109	Pump Housing
17	2	17027	007119	Nut, Acorn 5/16" - 18
18	2	17029	007118	Capscrew 5/16" - 18 x 1¾"
19	2	17030SS	053105	Flat Head 82° C'SK Screw
20	16	V0118	—	Lockwasher 5/16"

Ref. No.	Qnty. Req'd	VPN	AGCO No.	Description
22	8	V0119	—	5/16" - 18 Hex Nut Stainless Steel
23	4	17019	007123	5/16" - 18 x 3/4"
26	1	17235	054901	Seal Assm. (Viton)
28	6	17242	—	Housing Stud
31	1	17032SS	—	Drain Plug - 1/4"
33	1	17201	—	Reservoir
34	1	17210	—	1/2" Fill Plug
35	2	17211	—	Male Elbow - Legris 3/16
36	1	17212	—	Liquid Level Tube
37	1	17213	—	Bearing Peer 1641
38	1	17203	—	Adapter, Wet Seal
N/S	1	17100WSS	—	Pump Repair Kit
40	1	17200SS	—	Wet Seal Assembly Conversion

Banjo Wet Seal 3" Cast Iron Self-Priming Centrifugal Pump

AGCO Part No. AG055464



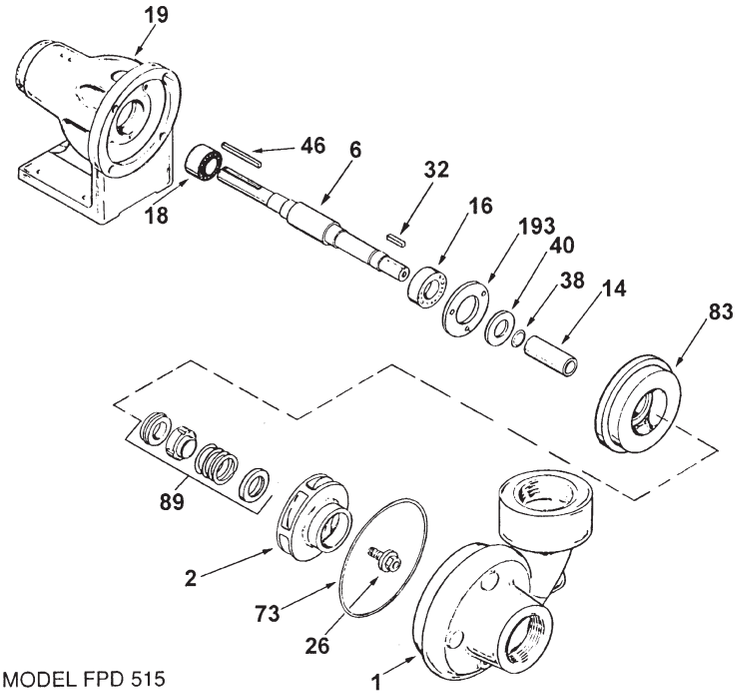
(40) WET SEAL ASSEMBLY

Ref. No.	Qnty Req'd	VPN	AGCO No.	Description
1	1	18008	008574	Flange - Outlet 3"
2	1	18012	008580	Flange - Inlet 3"
3	1	18202	-	Coverplate, 3" Wet Seal
4	1	18222	-	Shaft, 3" Wet Seal
5	1	18223	-	Impeller, 3" Wet Seal
6	1	18003	-	Drain Plug 1/4" NPT
7	1	18034	050130	Nut, Jam 5/8" - 11 THD. S.S.
8	1	18004	008576	Plate - Wear
9	1	18009	008579	Gasket - Outlet EPDM
10	1	18013	008581	Gasket - Check Valve Assy. EPDM
11	2	18021	008573	Gasket - Adapter
12	8	18010	050131	HHCS 3/8" - 16 x 1-3/8"
13	1	18033		Handle
14	1	18029	008577	Clamp Assy.
15	2	18005	008577	Gasket-Wear Plate
16	1	18001	008575	Pump Housing
17	2	18007	008578	Nut, Acorn

Ref. No.	Qnty Req'd	VPN	AGCO No.	Description
19	2	18006	009384	Bolt, 3/8" - 16 x 1-1/4 x 82° C'Sink S.S.
20	8	V20018	054234	Lockwasher 3/8"
23	4	17040	007113	HHCS 5/16" - 24 x 3/4"
24	4	V0118	-	Lockwasher 5/16"
25	6	18032	007115	Nut, 3/8" - 24, Hex S.S.
26	1	17235	054901	Seal Assm (Viton)
27	6	V20118	-	Lockwasher 3/8" S.S.
28	6	18218	-	Stud, 3" Wet Seal
31	1	17032	-	Drain Plug - 1/4"
33	1	18201	-	Reservoir, 3" Wet Seal
34	1	18205	-	Fill Plug, 3" Wet Seal
35	2	17211	-	Male Elbow - Legris 3/16
36	1	17212	-	Liquid Level Tube
37	1	18204	-	Bearing, 3" Wet Seal
38	1	18203	-	Adapter, 3" Wet Seal
N/S	1	18100W	-	3" C.I. Wet Seal Pump Repair Kit
40	1	18200	-	3" Wet Seal Assembly
41	1	18002	-	Plug 1" NPT Flush

Scot Straight Centrifugal Pedestal Pumps

Model FPD517: AGCO Part No. AG704614
Model FPD515: AGCO Part No. AG704615



DRAWING DEPICTS MODEL FPD 515

Ref. No.	VPN	AGCO No.	Description
1	See Chart		Case
2	See Chart		Impeller
14●	135.000.187	703288	Shaft Sleeve
26●	118.000.111A	852627	Impeller Retainer
38●	116.000.193	703287	O-ring, shaft
40●	104.000.107	703227	Flinger
73●	116.000.146	602787	Gasket, Case
83	132.000.183	703237	Backplate
89●	101.000.194	844437	Seal VN-CM

Ref. No.	VPN	AGCO No.	Description
	F1180421		Bearing Frame Assembly
	118.000.421		Consisting of:
6□	135.000.186X	706541	Shaft Assembly
16	103.000.146	710089	Bearing
18	103.000.150	703281	Bearing
19	132.000.237	703282	Frame
32●□	102.000.102	703226	Key
46□	102.000.130	703235	Key
193	110.000.244	703315	Retainer
	118.000.352		Repair Kit

●Denotes components Included in Repair Kit
□ Denotes Components Included with Shaft Assembly

CASES

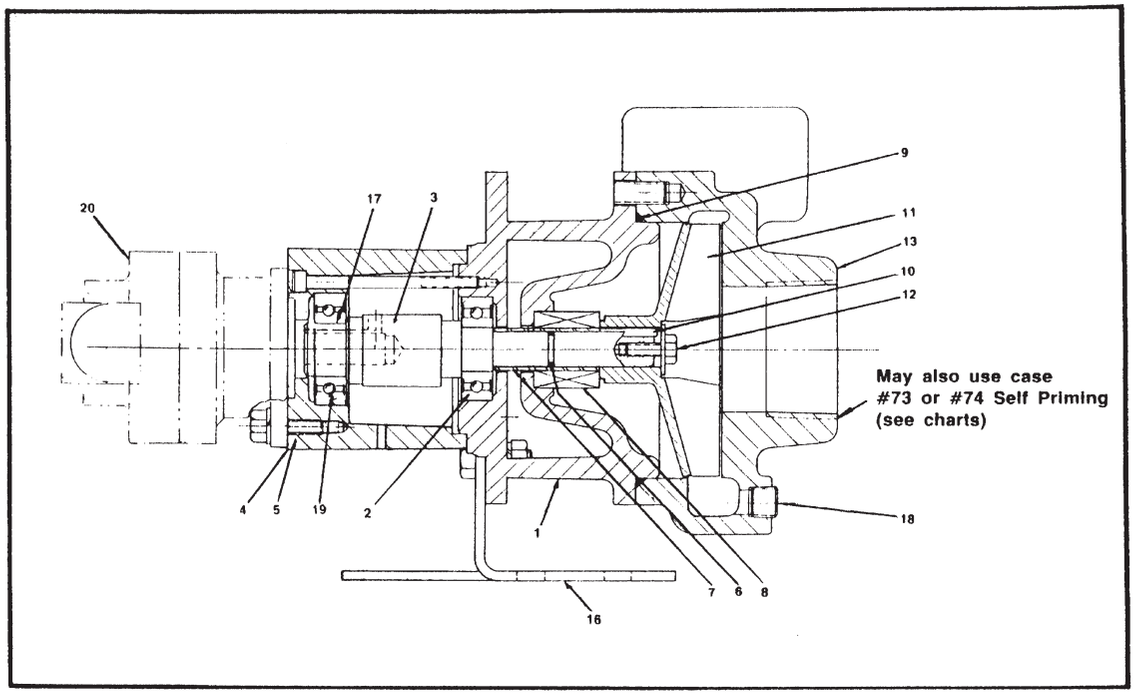
Model No.	Size (NPT) Suct	Disch	Part No.	Ag. Chem No.
FPD517	2	2	130.000.168X	704632
FPD515	3	3	130.000.224X	704636

Impellers - Specify Diameter		
	7/8" Keyed - Enclosed	
Model No.	Iron Part No.	Ag-Chem No.
FPD517	131.000.470	853540
FPD515	131.000.286	706423

To find your nearest dealer or to order, go to parts.agcocorp.com

Hydraulic Drive Scot Transfer Pump Model HYT200SP

AGCO Part No. AG707220



Ref. No.	Qnty Req'd	VPN	AGCO No.	Description
1	1	132.000.256	713575	Adapter
2	1	103.000.158	709521	Bearing
3	1	135.000.206	713442	Shaft
4	1	110.000.294	717835	Bearing, Housing
5	4	105.000.343B	055765	Capscrew. 1/4-20 x 3
6	1	116.000.145	843297	O-ring, Shaft
7	1	110.000.260	844673	Sleeve
8	1	101.000.115	704569	Seal, Viton - Ceramic
9	1	116.000.141	704573	O-ring Case
10	1	102.000.104	-	Key, Impeller

Ref. No.	Qnty Req'd	VPN	AGCO No.	Description
11	1	131.000.561	708965	Impeller
12	1	118.000.136	708964	Impeller Ret. Assembly
13A	1	130.000.177	704634	Case, HYT 150
13B	1	130.000.211	704635	Case, HYT 200
13C	1	130.000.239	708284	Case, HYT 200ASP
16	1	119.000.231	708434	Base
17	1	102.000.236	-	Key, Hyd. Motor
18	1	106.000.284	703289	Drain Plug
19	1	103.000.163	709520	Bearing
20	1	102.000.228	713425	Motor, Hydraulic

For Model HYT 150SP 1-1/2" Self-Priming Pump, use the following parts for key #13:

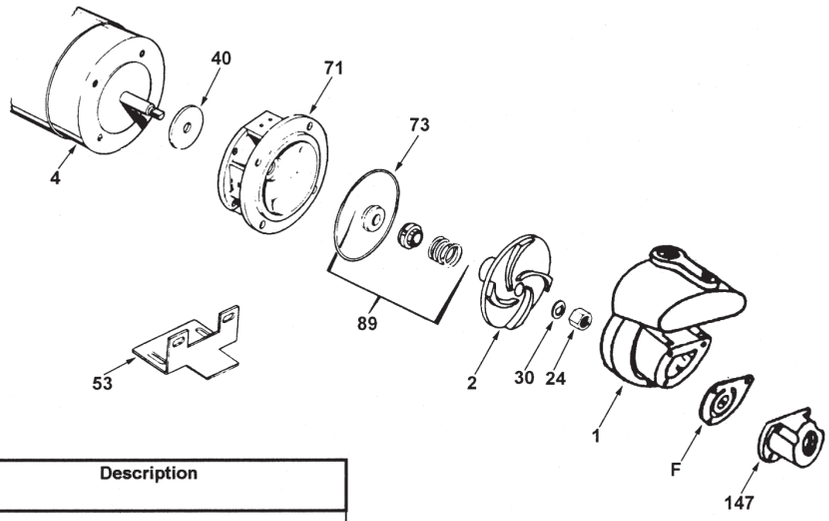
PART NO.	QTY	PART NAME
130.000.142	1	Case, 1-1/2" Self-Priming
136.000.138	1	Flange Suction, 1/1/2"
118.000.261	1	Flapper, EPDM

For Model HYT 200SP 2" Self-Priming Pump, use the following parts for key #13:

PART NO	QTY	PART NAME
130.000.145	1	Case, 2" Self-Priming
136.000.139	1	Flange, Suction 2"
118.000.261	1	Flapper, EPDM

Scot 2" Self-Priming Pump Model FFE 74

AGCO Part Nos. AG711505 and AG711506

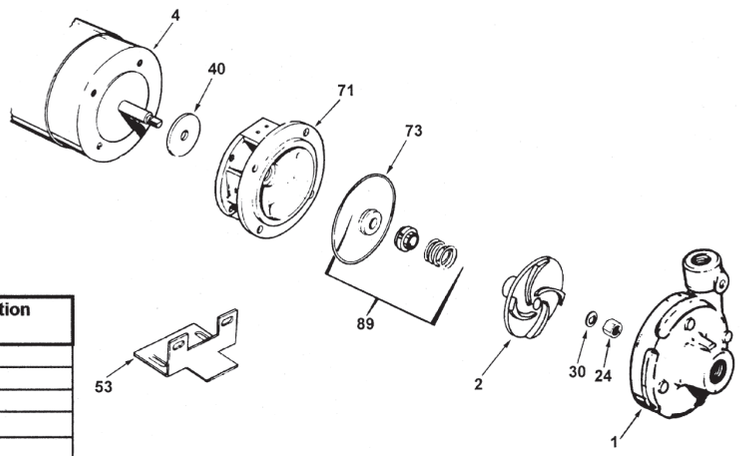


Ref. No.	VPN	AGCO No.	Description
1	130.000.239X	708284	Case
2	131.000.315	712307	Impeller, semi-open
4	-	-	Motor J56
24 • +	105.000.465	717170	Impeller nut
30 • +	104.000.168	708051	D Washer
40 •	104.000.171	713424	Flinger
53	119.000.231A	708434	Base
71	132.000.207	-	Adapter
73 •	116.000.141	704573	Gasket, Case
89 •	101.000.103	706319	Seal VN-CM
147	-		Flange
F	-		Flapper
--	118.000.341A	715850	Repair Kit

• Denotes components Included in Repair Kit
+ Not required on 3/4 - 1-1/2 hp, 1 phase motors

Scot Chemical Transfer Pump Model FPE 213

AGCO Part No. AG707160



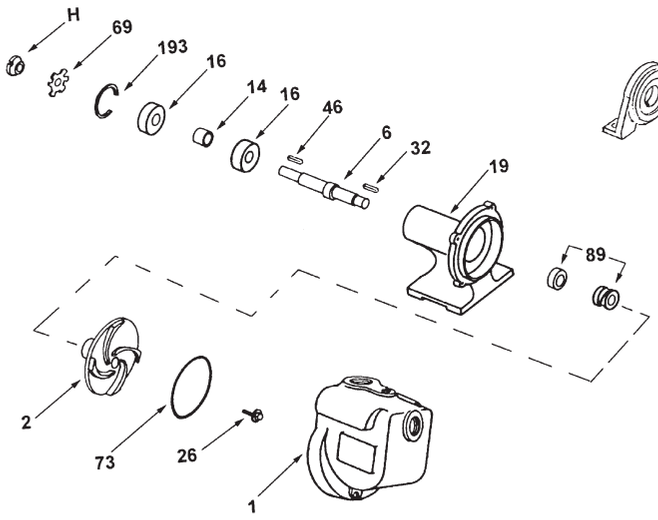
Ref. No.	VPN	AGCO No.	Description
1	130.000.319X	-	Case
2	See Chart	-	Impeller
4	-	-	Motor J56
24 • +	105.000.465	717170	Lock nut
30 • +	104.000.168	708051	D Washer
40 •	104.000.171	713424	Flinger
53	119.000.231A	708434	Base
71	132.000.200	708047	Adapter
73 •	116.000.146	602787	Gasket, Case
89 •	101.000.103	706319	Seal VN-CM

• Denotes components Included in Repair Kit
+ Not required on 1/3 - 1-1/2 hp, 1 phase motors

Semi-Open Impellers	Open Impellers Size	VPN	AGCO NO.
LFE 213	3.13	131.000.266	844712
	3.75	131.000.184	713430
	4.00	131.000.183	706938
	4.50	131.000.107B	-
	4.75	131.000.107	844391

Scot Self-Priming Pedestal Pump

Model FPH 74: AGCO Part No. AG704549



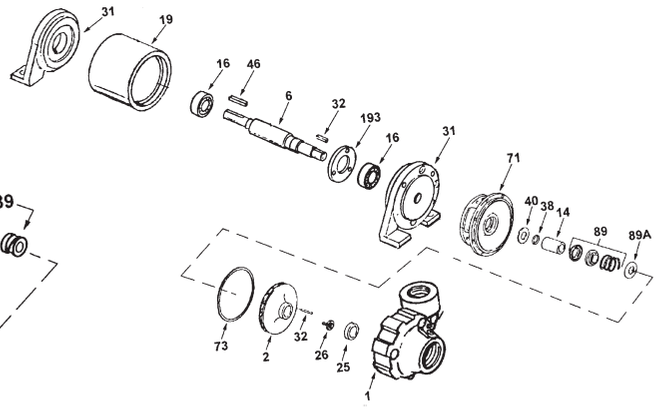
Ref. No.	VPN	AGCO No.	Description
1	130.000.239X	708284	Case
2	131.000.266	844712	Impeller, Semi-Open
26 •	118.000.136	708964	Impeller Retainer
73 •	116.000.141	704573	Gasket, Case
89 •	101.000.115	704569	Seal VN-CM
	118.000.420	716538	Bearing Frame Assembly Consisting of:
6 +	135.000.231X	710082	Shaft, Assembly
14 •	110.000.352	709910	Spacer
16 •	103.000.158	709521	Bearing (2 req'd)
19	132.000.295	713465	Frame
32	102.000.137	844754	Key
46	102.000.256	—	Key
69	104.000.242	709909	Lockwasher
193	102.000.105	844755	Retainer
H	105.000.460	854473	Locknut
—	118.000.351	715425	Repair Kit
Also requires (not shown):			
	136.000.138	704579	Flange
	118.000.261	709003	Flapper

• Denotes components included in Repair Kit

+ Denotes components included with Shaft Assembly

Scot Self-Priming Pedestal Pump

Model FPS 75: AGCO Part No. AG704612



Ref. No.	VPN	AGCO No.	Description
1	130.000.295X1	—	Case
2	131.000.304	842876	Semi-Open Impeller
14 •	110.000.192	027437	Shaft Sleeve
26 •	118.000.111A	704640	Impeller Retainer
38 •	116.000.105	710123	O-ring, Shaft
40 •	104.000.165	703270	Flinger
71	132.000.194	707186	Adapter
73 •	116.000.146	602787	Gasket, Case
89 •	101.000.191	027420	Seal VN-CM
89A •	104.000.202	843883	Retainer
—	JM 140 118.000.213	—	Bearing Frame Assembly Consisting of:
6 ☐	135.000.180X	842877	Shaft Assembly
16	103.000.146	710089	Bearing (2 req'd)
31	132.000.232	027421	End Bracket (2 req'd)
19	110.000.231	—	Shell
32 • ☐	102.000.102	703226	Key
44 ☐	102.000.194	—	Key
193	110.000.244	703315	Retainer
—	118.000.527	—	Repair Kit

• Denotes components included in Repair Kit

☐ Denotes components included with Shaft Assembly

CONVERSION FACTORS AND FORMULAS

WEIGHT

1 U.S. Gallon of freshwater	8.33	Pounds
1 U.S. Gallon of seawater	8.547	Pounds
1 Imperial Gallon of freshwater	10.005	Pounds
1 Imperial Gallon of seawater	10.266	Pounds
1 Cubic foot of freshwater	62.355	Pounds

VOLUME

1 U.S. gallon	=	231.	Cubic inches
		0.137	Cubic foot
		3.785	Liters
		.00379	Cubic meter
		0.833	Imperial Gallons
1 Imperial gallon	=	1.2	U.S. Gallons
		277.274	Cubic inches
1 Cubic foot	=	1728.	Cubic inches
		7.481	U.S. Gallons
		0.0283	Cubic meter
1 Liter	=	0.2642	U.S. Gallon
1 Cubic meter	=	35.314	Cubic feet
		264.2	U.S. Gallons
1 Acre foot	=	43,560	Cubic feet
		325.829	U.S. Gallons
1 Acre inch	=	3.630	Cubic feet
		27.100	U.S. Gallons
1 Barrel (oil)	=	42	U.S. Gallons

HEAD

1 Pound per square inch (PSI)	=	2.31	Feet of water
		2.04	Inches of Mercury
1 Foot of water	=	0.433	Lb. per sq. inch
		0.885	Inches of Mercury
1 Inch of Mercury	=	1.132	Feet of water
1 Kilogram per square cm	=	14.22	Lbs. per sq. inch
1 Atmosphere (at sea level)	=	14.7	Lbs. per sq. inch
		33.9	Feet of water
		10.35	Meters of water
1 Meter of water	=	3.28	Feet of water

LENGTH

1 inch	=	2.54	Centimeters
1 Meter	=	39.37	Inches
		3.28	Feet
1 Rod	=	16.5	Feet
1 Mile	=	5280	Feet
		1.61	Kilometers

POWER

1 Horsepower (HP)	=	746	Watts
		0.746	Kilowatt
		33,000	Foot pounds per minute
		550	Foot pounds per second
1 Kilowatt (Kw)	=	1000	Watts
		1.341	Horsepower
		44,240	Foot lbs. per minute

OPERATING COST

C = Cost in dollars per 1000 gallons
C' = Cost in dollars per acre inch
r = Power rate per kilowatt hour (dollars)
Kw input = Kilowatts (measured at the meter)
GPH = Gallons per hour discharged by pump
GPM = Gallons per minute discharged by pump

Cost per 1000 gallons . . . . . $C = \frac{\text{Kw input} \times r}{\text{GPH}}$

Cost per acre inch . . . . . $C' = \frac{451 \times r \times \text{Kw in.}}{\text{GPM}}$

FORMULAS

Pipe velocity (ft./sec.) $= \frac{.408 \times \text{GPM}}{(\text{Pipe Diameter})^2} = \frac{.321 \times \text{GPM}}{\text{Pipe Area}}$

Velocity head (feet) $= \frac{(\text{Pipe Velocity, Ft. per Sec.})^2}{64.4}$

Water horsepower $= \frac{\text{GPM} \times \text{Head in Feet} \times \text{Specific Gravity}}{3960}$

Brake horsepower (pump) $= \frac{\text{GPM} \times \text{Head in Feet} \times \text{Spec. Grav.}}{3960 \times \text{Pump Efficiency}}$

Brake horsepower (motor) $= \frac{\text{Watts Input} \times \text{Motor Efficiency}}{746}$

Efficiency (pump) $= \frac{\text{GPM} \times \text{Head in Feet} \times \text{Specific Gravity}}{3960 \times \text{BHP}}$

$= \frac{\text{Water Horsepower}}{\text{Brake Horsepower}}$

Pressure (lbs. per sq. in.) $= \frac{\text{Head in Feet} \times \text{Specific Gravity}}{2.31}$

$= \text{Head in Feet} \times \text{Spec. Grav.} \times .434$

Head in feet $= \frac{\text{Pounds per Square Inch} \times 2.31}{\text{Specific Gravity}}$

Area of a circle = (Diameter)^2 × .7854
Circumference of a circle = Diameter × 3.1416
Volume of a cylinder = (Diameter)^2 × .7854 × Height of Cylinder

Efficiency (motor) $= \frac{\text{HP Output}}{\text{Kw Input} \times 1.34}$

ELECTRIC POWER

AC = Alternating current
DC = Direct current
E = Volts = Electrical pressure (similar to head)
I = Amperes = Electrical current (similar to rate of flow)
W = Watts = Electrical power (similar to head capacity)
Kw = Kilowatts = 1000 watts
Apparent power = Volts × Amperes = Voltamperes
Apparent power = EI
Useful power W = EI × PF
Power factor = Ratio of useful power to apparent power

Power factor = PF $= \frac{W}{EI}$

Kw hr. = Kilowatt hour
Single phase power W = E × I × PF
3 phase power W = 1.73 × E × I × PF
Where E = Average voltage between phases
I = Average current in each phase

MEASUREMENT OF ELECTRIC POWER

For DC power use DC voltmeter and DC ammeter
Power W = E × I;

HP input $= \frac{W}{746} =$ Kw × 1.34

AC power

1 Phase Use single phase wattmeter;

HP input $= \frac{W}{746} =$ Kw × 1.34

3 phase A) One 3 phase wattmeter
B) Two single phase wattmeters
C) Power Co. revolving disc watt hour meter

Method for calculating power for a revolving disc watt hour meter.

Kilowatts input = Kw in $= \frac{K \times R \times 3.60}{t}$

HP input $= \frac{K \times R \times 3600}{746 \times t} = \frac{4.83 \times K \times R}{t}$

HP output = HP input × Motor efficiency
K* = Constant = Watts for one revolution of revolving disc
K is Usually found on meter nameplate or on revolving disc
R = Number of revolutions of disc
t = Second for R revolutions
* Where current transformers are used, multiply meter constant by current transformer ratio.

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PIPE AND HOSE FRICTION TABLES

FLOW IN GPM	PRESSURE DROP IN PSI FOR VARIOUS PIPE SIZES (10 FT. LENGTH)							
	1/8"	1/4"	3/8"	1/2"	3/4"	1"	1¼"	1½"
.2	.2							
.3	.4							
.4	.6	.16						
.5	1.0	.24						
.6	1.5	.34						
.8	2.5	.60	.13					
1.0	3.7	.89	.19	.08				
1.5	8.0	1.8	.40	.13				
2.0		3.1	.65	.21	.05			
2.5		4.7	1.1	.32	.08			
3.0		6.3	1.5	.45	.11			
3.5			2.0	.60	.14			
4.0			2.5	.78	.18	.06		
4.5			3.1	.98	.23	.08		
5.0			3.8	1.2	.28	.09		
6.0			5.2	1.6	.38	.11		
8.0				2.8	.63	.20	.06	
10.0				4.2	1.0	.30	.08	.04
15.0					2.2	.61	.16	.08
20.0					3.8	1.1	.29	.13
25.0						1.7	.41	.20
30.0						2.4	.59	.27
35.0							.79	.36
40.0							1.0	.48
50.0								.71

NOTE: The above figures are for standard pipe of either seamless or welded construction, in good clean condition. Recommended maximum capacity to keep velocity at approximately 5 ft. per second is shown above heavy lines.

FLOW IN GPM	PRESSURE DROP IN PSI FOR VARIOUS HOSE SIZES 25 ft. length with no coupling							
	1/4" I.D.	3/8" I.D.	1/2" I.D.	5/8" I.D.	3/4" I.D.	1" I.D.	1¼" I.D.	1½" I.D.
.2	.8							
.3	1.5							
.4	2.5							
.5	4.0	.5						
.6	5.0	.8						
.8	9.0	1.3						
1.0		1.8	.5					
2.0		6.0	1.5					
3.0		13.0	3.1	1.0				
4.0			6.0	1.8				
5.0			8.5	2.5	1.0			
6.0			12.0	3.7	1.5			
8.0				6.5	2.5	.6		
10.0				9.5	3.7	1.0		
15.0					8.0	2.0	.7	
20.0					14.0	3.4	1.2	.4
25.0						5.0	1.8	.6
30.0						6.5	2.5	.9
40.0						12.0	4.4	1.4
50.0							6.0	2.1
60.0							9.0	2.9
70.0							13.0	4.0

NOTE: The above figures are for standard hose in good, smooth condition (25 ft. length with no couplings)

APPROXIMATE FRICTION LOSS IN PIPE FITTINGS
in terms of equivalent feet of straight pipe.

PIPE SIZE STD. WT.	ACTUAL INSIDE DIAM. IN.	GATE VALVE FULL OPEN	GLOBE VALVE FULL OPEN	45° ELBOW	RUN OF STD. TEE	STD. ELBOW OR RUN OF TEE REDUCED 1/2	STD. TEE THRU SIDE OUTLET
1/8	.269	.15	8	.35	.40	.75	1.4
1/4	.364	.20	11	.50	.65	1.1	2.2
1/2	.622	.35	18.6	.78	1.1	1.7	3.3
3/4	.824	.44	23.1	.97	1.4	2.1	4.2
1	1.049	.56	29.4	1.2	1.8	2.6	5.3
1-1/4	1.380	.74	38.6	1.6	2.3	3.5	7.0
1-1/2	1.610	.86	45.2	1.9	2.7	4.1	8.1
2	2.067	1.1	58	2.4	3.5	5.2	10.4
2-1/2	2.469	1.3	69	2.9	4.2	6.2	12.4

PULLEY RATIO

To get the desired performance from a frame-mounted pump, the proper speed ratio between the pump and drive source must be established. The following formula should be helpful.

$$\frac{\text{Pump RPM}}{\text{Driveshaft RPM}} = \frac{\text{Drive Pulley Diameter}}{\text{Pump Pulley Diameter}}$$

For example: To drive a pump at 5000 RPM with a drive source RPM of 3600 and knowing that the clutch pulley diameter on the pump is 5.25", what should the diameter of the drive pulley be?

$$\frac{\text{5000 RPM}}{\text{3600 RPM}} = \frac{\text{Drive Pulley Diameter}}{\text{5.25"}}$$

1) 5000 x 5.25 = 26250
2) 26250 ÷ 3600 = 7.29

The drive pulley diameter, when rounded off should be 7.25" (7-1/4").

Seat and Suspension

AGCO Part No. AG515181



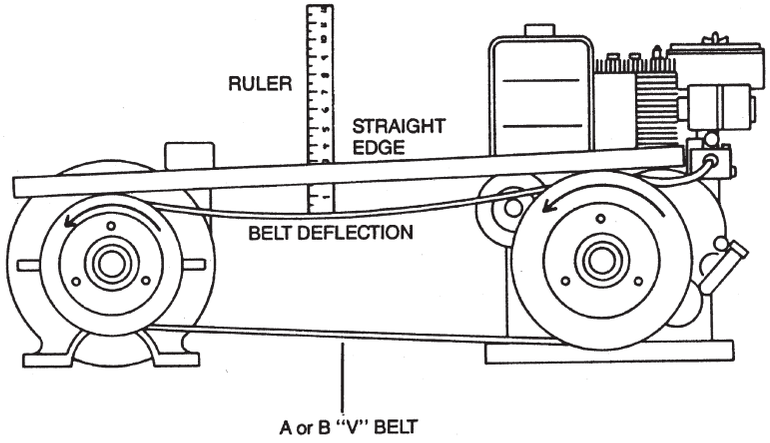
Magnum 100 seat assembly with double-locking tracks, mounting at 13" x 11", 32-oz. black vinyl facings, and salt-and-pepper tuff tex full face, welt, diamond style. Armrests in all 32-oz. black vinyl, heavy-duty shock.

Ref. No.	Qnty Req'd	VPN	AGCO No.	Description
1	1	100802-283283	721175	Right Hand Arm Assembly
2	1	100803-283283	721176	Left Hand Arm Assembly
3	1	101027-283290	-	Cushion Cover Only
3A	1	100801-283290	721182	Cushion Assembly
4	1	101079-283290	-	Back Cover Only
4A	1	101172-283290	-	Back Assembly
5	1	101746	-	Recliner Kit
6	1	101702	1079718M1	Heavy Duty Shock
7	1	107338	721181	Air Bag
8	1	102494		6" Track Set
9	1	707339	721177	Air Valve

BELT TENSION

Proper belt alignment and belt tension will prevent premature bearing failure in the clutch and/or the pump. Use a straightedge held on the faces of the pulleys to check alignment. To provide proper belt tension, lay the straight-edge on the tops of both pulleys as shown. Use mild force to deflect the belt as shown. Use a ruler to measure the amount of deflection. Proper tension will allow 1/2" of deflection for each foot of distance between the pulleys.

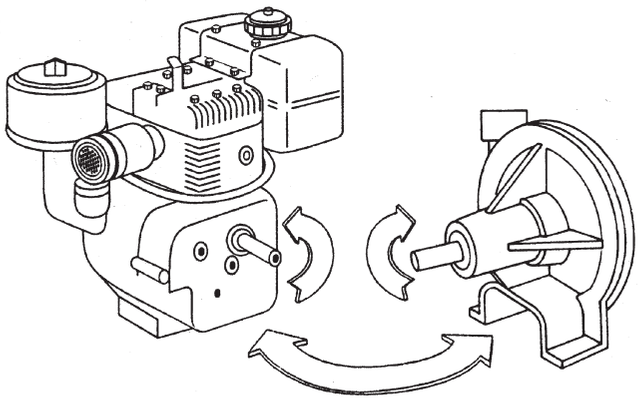
For example: If the distance between the pulleys is 3', the deflection should be 1-1/2".



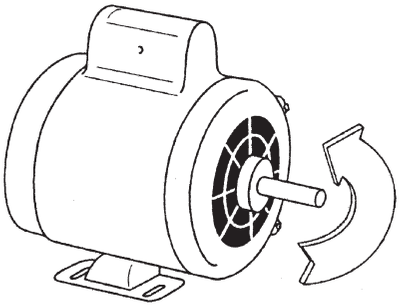
PUMP ROTATION

The direction of rotation is always determined WHEN FACING THE SHAFT. This rule applies for the pump shaft and the driver shaft. Mounted pumps are available in both clockwise (CW) and counterclockwise (CCW) rotation. Model numbers which include a "CW" have a clockwise rotation; all other models are counterclockwise rotation.

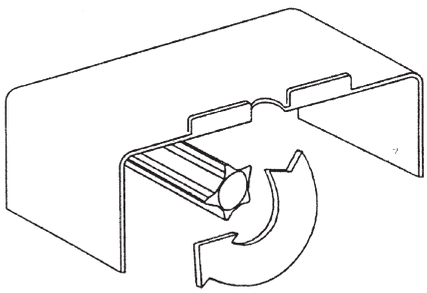
For direct coupling shafts, always MATCH THE OPPOSITE ROTATION pump with the shaft. As illustrated, a gasoline engine with CCW rotation will direct the couple to a pump with clockwise rotation. When mounting a pump with belts and pulleys, either pump rotation can be used to match the drive shaft rotation and the desired direction of the pump.



The rotation of several common power sources are as follows: Gasoline engine and electric motor shafts rotate in a counterclockwise direction; a tractor PTO shaft rotates in a clockwise direction; the front tractor engine crankshaft rotates in a counterclockwise direction.



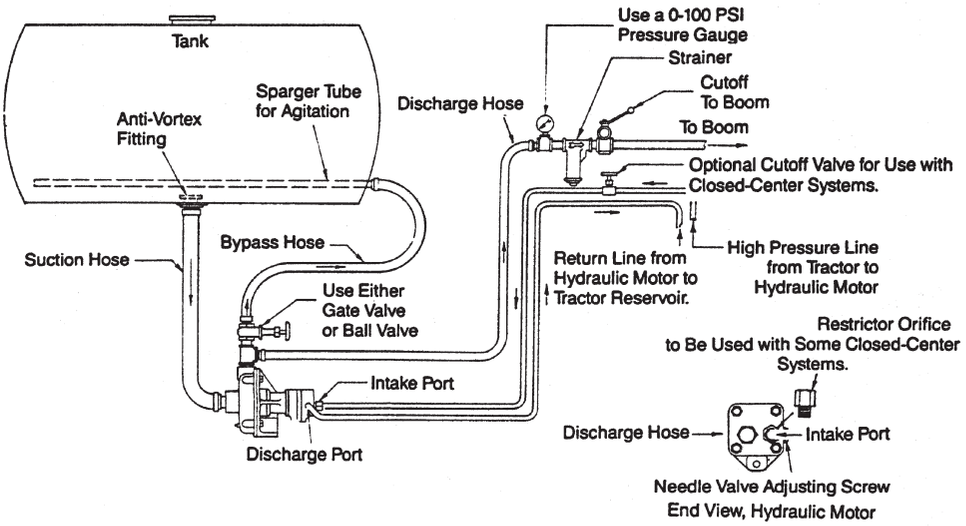
Electric Motor:
counterclockwise (CCW)



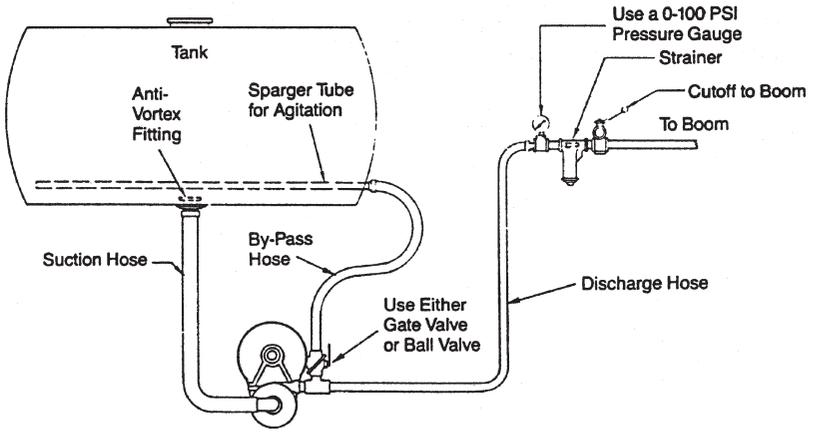
PTO Shaft:
clockwise (CW rotation)

INSTALLATION DIAGRAMS

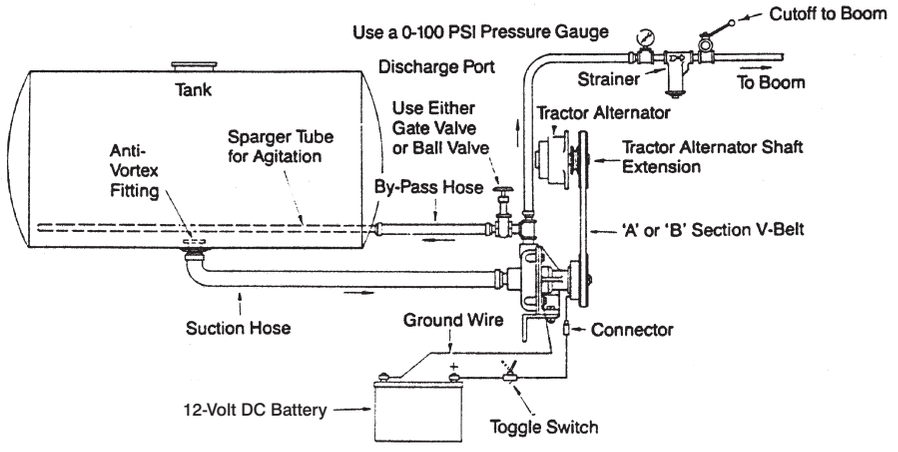
Hydraulic Motor-Driven Centrifugal Pumps



PTO Belt-Driven Centrifugal Pumps



Magnetic Clutch-Driven Centrifugal Pumps

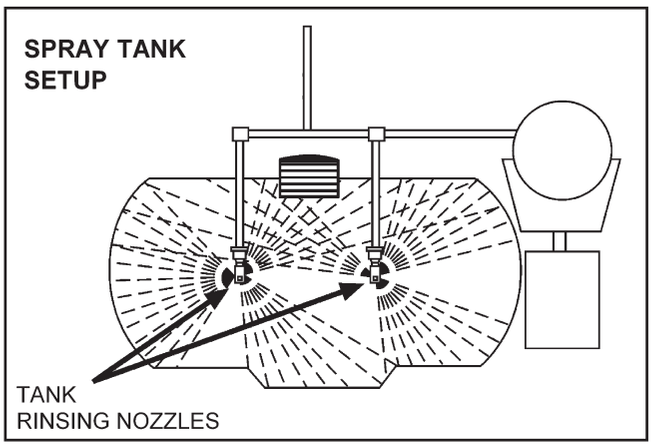


Clean Sprayers Help Prevent Crop Injury

Careful cleaning of sprayers is the applicator's responsibility. Even small amounts of product from sulfonylurea herbicides, such as Exceed®, Beacon®, Glean®, Amber®, Permit®, and Accent®, may cause injury to sensitive crops.

Use caution when using products, like emulsifiable concentrates (EC), that contain solvents and surfactants that help remove herbicide residue from spray tanks. These products may free SU herbicide residue from the sprayer, which could cause injury to non-labeled crops.

There are steps you can take to ensure your spayers are clean.



The Basics of Clean Equipment

- Start with a thoroughly-cleaned sprayer before beginning a spray job.
- Mix only as much spray solution as needed.
- Wear appropriate protective clothing.
- Carry a rinse tank filled with clean water or a wash solution on the sprayer. Immediately after spraying, flush the sprayer thoroughly before changing (or switching) to another chemical. Use a pressure washer to clean all interior and exterior surfaces with cleaning solution.
- Flush the sprayer in the field to minimize handling issues with waste water. Take special care to rinse all hoses and lines. Materials may settle in the lines if not flushed out daily.
- **Consider installing a set of tank-rinsing nozzles on the spray tank. The rinsing nozzles should be connected to a separate tank that is used only for holding cleaning solution.**
- **Dedicating a sprayer to one crop while using highly-active products also will minimize potential problems.**

Commercial Tank Cleaners

There are several commercial tank cleaners that have been approved for removal of Novartis sulfonylurea compounds from sprayers. Most tank cleaners contain materials that raise the pH to a range of 7.3–14. These alkaline conditions help the sulfonylurea materials dissolve so they can be rinsed more easily from the sprayer.

Some tank cleaners are advertised as "neutralizers." Those cleaners may degrade certain classes of chemical compounds when used according to instructions. However, none of the cleaning materials tested in Novartis labs cause sulfonylurea compounds to decompose.

Be sure to read and follow the tank cleaner manufacturer's directions for use of a tank cleaner and wear proper protective clothing, including gloves and eye protection.

NOVARTIS
Novartis Crop Protection, Inc., Greensboro, NC 27419-8300

U.S. Patent Nos. 4,478,635; 4,514,212; 4,671,819.

Important: Always read and follow label instructions before buying or using these products.

No information or advice given here shall constitute a warranty as to any matter; all such information and advice is being given and accepted at your sole risk. Novartis Crop Protection, Inc. assumes no responsibility or liability for any statements given in this information.

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