

F/S

Manufacturing

Quality Sprayers & Liquid Handling Equipment



**EQUIPMENT /
PARTS CATALOG**

VERSION .32

FOR A FULL INDEX

SEE PAGES 102-103



PESTS



WEEDS



ICE



FIRE



1102 Center Street / West Fargo, ND 58078
 1-800-333-2314 www.fsmfg.com

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THANK YOU

FOR OVER 30 YEARS OF
 LOYALTY TO F/S PRODUCTS!

Due to space considerations and a constantly expanding inventory, not every item that we carry is listed in our catalog. If you do not find the product, part or application you are looking for, please do not hesitate to call us. We make it our job to serve you in every way possible!

Cordially,
THE F/S TEAM

OFFICE STAFF

- Bryan Gefroh - *General Manager*
- Randy Anderson - *Sales Manager*
- Scott Stavedahl - *Sales*
- Mark Trandem - *Sales*
- John Richards - *Sales*
- John Nelson - *Comptroller*
- Nikki Losee - *Operations Specialist*
- Jordan Stiefel - *Marketing Specialist*
- Adam Lewis - *Shop Supervisor*

BUSINESS HOURS

Monday - Friday 8:00am - 5:00pm



CHEMICALS

3-POINT SPRAYERS



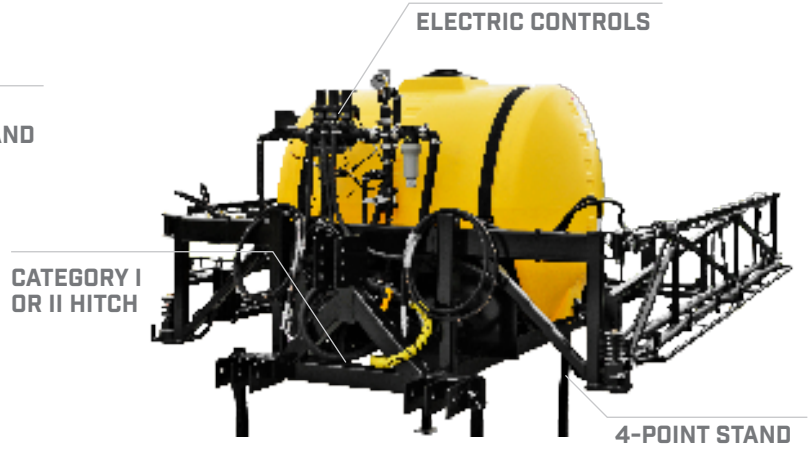
HOMESTEAD-200-EC SHOWN WITH BOOM30 & TIP LIFT

SELECT YOUR SPRAYER

MANUAL CONTROLS



ELECTRIC CONTROLS



Part#	Gallons	Description
HOMESTEAD-25	25	3 Pt Homestead Sprayer
HOMESTEAD-50	50	3 Pt Homestead Sprayer
HOMESTEAD-110	110	3 Pt Heavy Duty Sprayer
HOMESTEAD-150	150	3 Pt Heavy Duty Sprayer
HOMESTEAD-200	200	3 Pt Heavy Duty Sprayer

Part#	Gallons	Description
HOMESTEAD-50-EC	50	3Pt Sprayer
HOMESTEAD-110-EC	110	3Pt Heavy Duty Sprayer
HOMESTEAD-150-EC	150	3Pt Heavy Duty Sprayer
HOMESTEAD-200-EC	200	3Pt Heavy Duty Sprayer



HOMESTEAD-25 SHOWN WITH BOOM12

LOOKING FOR BOOMLESS TIPS? SEE PAGES 90-91

→



OPTIONAL EQUIPMENT

Compatibility	Part#	Description
HOMESTEAD-25 HOMESTEAD-50	BOOM12	12 Ft. Spray Pattern (20 In. Spacing)
	BOOM18	18 Ft. Spray Pattern (20 In. Spacing)
	BOOM18FLEX	18 Ft. Spray Pattern (20 In. Spacing)
	BOOM20FLEX	20 Ft. Spray Pattern (20 In. Spacing)
	BOOM22FLEX	22 Ft. Spray Pattern (20 In. Spacing)
HOMESTEAD-110 HOMESTEAD-150 HOMESTEAD-200	BOOM20	20 Ft. Spray Pattern (20 In. Spacing)
	BOOM30	30 Ft. Spray Pattern (20 In. Spacing)
	BOOM45	45 Ft. Spray Pattern (20 In. Spacing)
	BOOM60	60 Ft. Spray Pattern (20 In. Spacing)
AVAILABLE ON ALL HOMESTEAD SPRAYERS	HOMESTEAD-TL	Hydraulic Tip Lift (20', 30', 45', or 60' Boom)
	SS PUMP	Stainless Steel Pump Upgrade
	HOMESTEAD-HP	Hydraulic Pump Upgrade
	HOMESTEAD FM6	Foam Marker 6 Upgrade with Bracket
	HOMESTEAD FM14	Foam Marker 14 Upgrade with Bracket
	HOMESTEAD FM25	Foam Marker 25 Upgrade with Bracket
	BOOMLESS BOOMINATOR*	Boomless Kit with SS Boominator Nozzles
	BOOMLESS BOOMJET*	Boomless Kit with Boomjet Nozzle
	HOMESTEAD SPRAY GUN UPGRADE *AA43L-AL10	TeeJet 22" Aluminum Spray Gun wwith Brass Swivel

*Multiple Nozzle Sizes & Spray Patterns Available



F/S TOUCHDOWN WHEELS AVAILABLE SEE PAGE 73



3-POINT SPRAYERS

SPRAY LIKE A PRO.

✓ LOW PROFILE TANK

Tru-Kleen low profile full drain tank maximizes your liquid carrying capacity while minimizing problems linked to high center of gravity conditions.

✓ SPOT SPRAYING

Spray wand and hose reel with 50 ft of $\frac{3}{8}$ hose come standard so you can spot spray when or where boom spraying is not an option.

✓ ADJUSTABLE BOOM

The heavy duty adjustable boom mounting system allows you to set the right nozzle height for any application.

✓ QUALITY PARTS

All F/S sprayers are built using commercial quality valves and fittings that are made in the U.S.A.





LOOKING FOR HIGH PRESSURE OPTIONS?

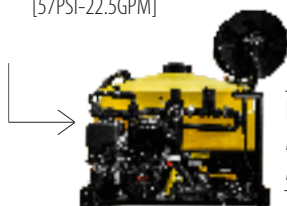
SEE NEXT PAGE



MANUAL CONTROLS



SPECIFICATIONS	FSDAK-50	FSDAK-100(Shown)	FSDAK-50-E(Shown)	FSDAK-100-E	I
Capacity	50 Gallons	100 Gallons	50 Gallons	100 Gallons	
W x L x H	38 x 42 x 23	47 ¾ x 49 x 26	38 x 42 x 23	47 ¾ x 49 x 26	
Weight (Empty/Full)	175lbs / 574lbs.	182lbs. x 1,017lbs.	134lbs / 551lbs.	163lbs. x 998lbs.	
Controls	Manual TeeJet Shutoff and Regulating Valves	Manual TeeJet Shutoff and Regulating Valves	Manual TeeJet Shutoff and Regulating Valves	Manual TeeJet Shutoff and Regulating Valves	
Motor	4HP Honda GX120 Engine	4HP Honda GX120 Engine			
Pump	Ace Centrifugal Pump [57PSI-22.5GPM]	Ace Centrifugal Pump [57PSI-22.5GPM]	12V Electric Pump [70 Max PSI-7GPM]	12V Electric Pump [70 Max PSI-7GPM]	



NARROW DESIGN

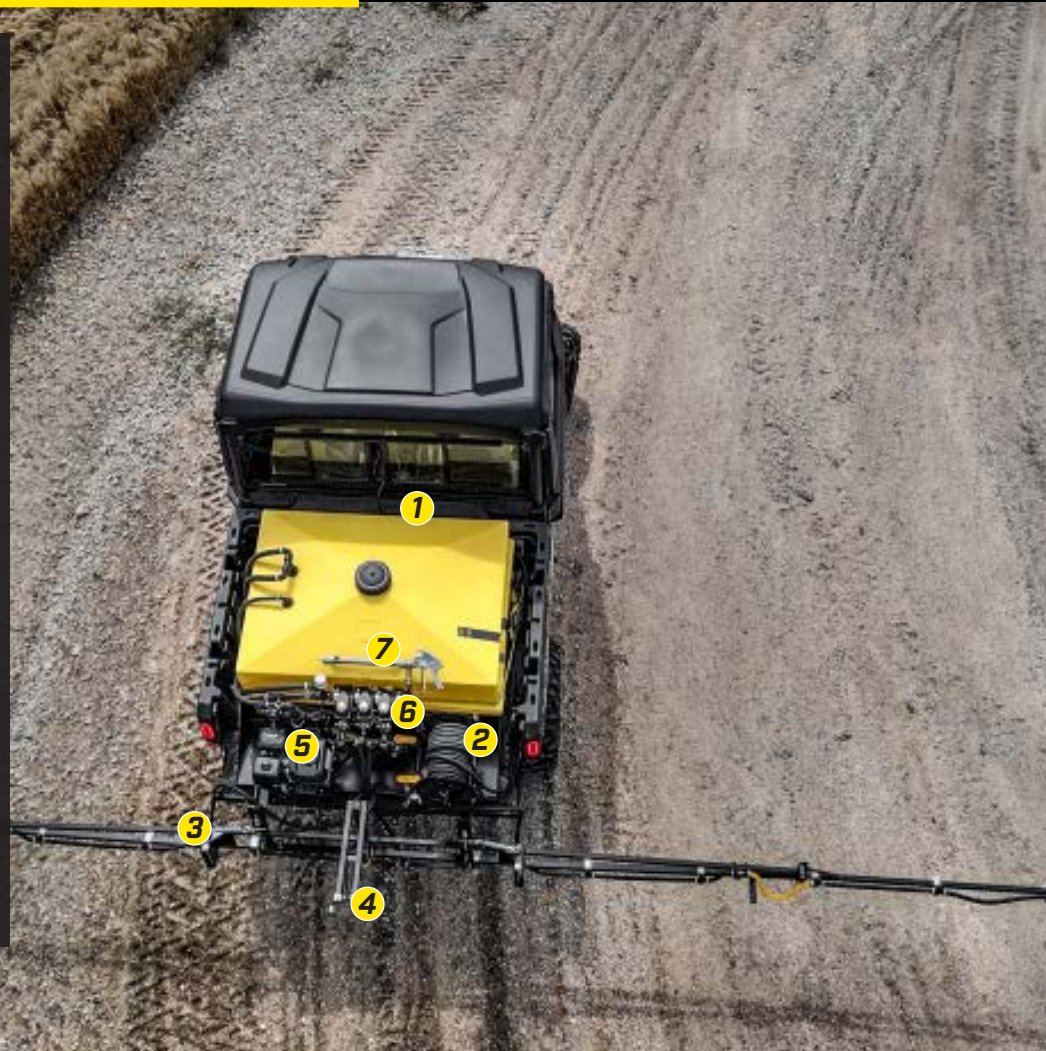
FSDAK-NARROW OPTIONS AVAILABLE FOR 50 GALLON MODELS!

UTV SPRAYERS

ARE YOU A CONTROL FREAK?

✓ FSDAK-100-EC-3KZ

- 01 LOW PROFILE FULL DRAIN TANK**
- 02 HOSE REEL AND SPRAY WAND**
[50 ft. of 3/8 in. Hose]
- 03 12'-22' FOLDABLE BOOM OPTIONS**
[22 ft. Flex Boom Shown]
- 04 OPTIONAL BOOMLESS SYSTEM**
- 05 4HP HONDA ENGINE WITH ACE CENTRIFUGAL PUMP**
[57 PSI Max - 22.5 GPM]
- 06 KZ ELECTRIC BALL VALVES**
[Fast & Reliable]
- 07 FSDAK-SPRAY GUN UPGRADE**
[22 in. Aluminum Barrel w/ Brass Swivel]



SINGLE-SECTION ELECTRIC CONTROLS



SPECIFICATIONS	FSDAK-50-EC	FSDAK-100-EC (Shown)	FSDAK-100-ROLLERPUMP (Shown)
Capacity	50 Gallons	100 Gallons	100 Gallons
W x L x H	38 x 42 x 23	47 ¾ x 49 x 26	47 ¾ x 49 x 26
Weight (Empty/Full)	175lbs / 574lbs.	182lbs. x 1,017lbs.	182lbs. x 1,017lbs.
Controls	1 Sect. Banjo Valve with Texas Industrial Controller	1 Sect. Banjo Valve with Texas Industrial Controller	Manual TeeJet Shutoff and Regulating Valves
Motor	4HP Honda GX120 Engine	4HP Honda GX120 Engine	4HP Honda GX120 Engine
Pump	Ace Centrifugal Pump [57PSI-22.5GPM]	Ace Centrifugal Pump [57PSI-22.5GPM]	Hypro 7-Roller Pump [200PSI-22GPM]

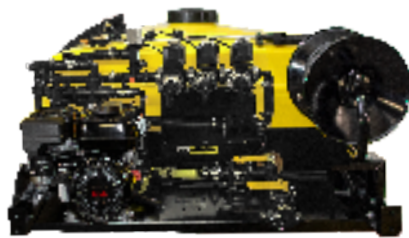
HIGH PRESSURE

FOR BOOM / BOOMLESS SYSTEM OPTIONS
SEE PAGES 10-12





**MULTI-SECTION
ELECTRIC
CONTROLS**



SPECIFICATIONS	FSDAK-50-EC-*KZ	FSDAK-100-EC-*KZ	FSDAK-100-EC-*KZ-RCR	FSDAK-100-EC-*KZ-PRO
Capacity	50 Gallons	100 Gallons	100 Gallons	100 Gallons
W x L x H	38 x 42 x 23	47 ¾ x 49 x 26	47 ¾ x 49 x 26	47 ¾ x 49 x 26
Weight (Empty/Full)	175lbs / 574lbs.	182lbs. x 1,017lbs.	182lbs. x 1,017lbs.	182lbs. x 1,017lbs.
Controls	*2-5 Sect. KZ Valve, Electric Control with 744A TeeJet Controller	*2-5 Sect. KZ Valve, Electric Control with 744A TeeJet Controller	*2-5 Sect. KZ Valve, Electric Control Raven Flowmeter and Regulating Valves	*2-5 Sect. KZ Valve, Electric Control with 744A TeeJet Controller
Motor	4HP Honda GX120 Engine	4HP Honda GX120 Engine	4HP Honda GX120 Engine	5.5HP Electric Start Honda GX160 Engine
Pump	Ace Centrifugal Pump [57PSI-22.5GPM]	Ace Centrifugal Pump [57PSI-22.5GPM]	Ace Centrifugal Pump [57PSI-22.5GPM]	Ace Centrifugal Pump [120PSI-110GPM]

OPTIONAL EQUIPMENT

22' BOOM22FLEX



20' BOOM20FLEX



18' BOOM18FLEX



18' BOOM18



12' BOOM12



OPTIONAL EQUIPMENT

DE-ICE SYSTEMS
BOOM OPTIONS
SEE PAGES 22-23

SPRING LOADED BREAKAWAY
(Automatic Boom Reset)

SECTION SPRAY CONTROL
(Banjo 1/2" Micro Shut-off Valves)

FLEXIBLE HOSE
(Kink Free Folding)

SECTION SPRAY CONTROL
(Banjo 1/2" Micro Shut-off Valves)

SECTION SPRAY CONTROL
(Banjo 1/2" Micro Shut-off Valves)



SPECIFICATIONS	BOOM22FLEX			BOOM20FLEX			BOOM18FLEX			BOOM18		BOOM12		I
	Unfolded	Fold 1	Fold 2	Unfolded	Fold 1	Fold 2	Unfolded	Fold 1	Fold 2	Unfolded	Fold 1	Unfolded	Fold 1	
Physical Width	20'7"	13'	4'9"	18'11"	13'	4'9"	17'3"	13'	4'9"	17'3"	5'11"	10'4"	4'3"	
Spray Coverage	21'8"	11'8"	5'	20'	13'4"	3'4"	18'4"	11'8"	5'	18'4"	5'	11'8"	5'	
Total Nozzles	13			12			11			11		7		
Nozzle Spacing	20"			20"			20"			20"		20"		

EXTENDED COVERAGE OPTIONS

Part#	Description	I
BOOMLESSBOOMINATOR*-SKID-TIPMOUNT-**	Boominator Single Side Boomless End Mount Kit for [12' & 18' Boom Models]	
BOOMLESSHYPRO*-SKID-TIPMOUNT	Hypro Single Side Boomless End Mount Kit for [12' & 18' Boom Models]	
OFFSET TIP KIT	Single Side End Mount Offset Spray Kit for Boom	
OFFSET TIP KIT-EC	Single Side End Mount Offset Spray Kit for Boom	

*Multiple Sizes Available

**L-Left or R-Right



OPTIONAL EQUIPMENT



BOOMLESS SYSTEMS

FOR NOZZLE CHARTS
SEE PAGES 90-91

1. SELECT NOZZLE TYPE

TEEJET / HYPRO / BOOMINATOR

Part#	Description
BOOMLESS TJ*	Boomless Kit with Plastic TeeJet Nozzles
BOOMLESS HYPRO*	Boomless Kit with SS Hypro XT Nozzles
BOOMLESS BOOMINATOR*	Boomless Kit wwith SS Boominator Nozzles

*Multiple Sizes Available



2. OPTIONAL MOUNT KIT

REQUIRED IF NOT DIRECTLY MOUNTED TO A BOOM

Part#	Description
BOOMLESS-MOUNT-KIT	Mounting Bar and Hardware for Boomless Mount Kit



BOOMLESS MOUNT

*Kit Required



BOOM MOUNT

*No Kit Required



BOOMLESS TURFJET "SIDE SHOOTER"

Part#	Description
BOOM-BOOMINATOR*-TURFJET	Boomless Kit with TurfJet Nozzles
BOOM-BOOMINATOR*-TURFJET-3	Boomless Kit with TurfJet Nozzles for 3 Section
BOOM-BOOMLESSHYPRO 20 BLUE-TURFJET	Hypro Left/Right, Turfjet Center
BOOM-BOOMLESSHYPRO 20 BLUE-TURFJET-3	3 Section Hypro Left/Right, Turfjet Center

*Multiple Sizes Available

ACCESSORIES

Part#	Description
FSDAK-STAND	Stand for UTV Skid Sprayer
FSDAK- Spray Gun Upgrade	TeeJet 22" Aluminum Spray Gun with Brass Swivel (SEE PAGE 93)
FM1	1 Gallon Foam Marker
FM1 Skid Mount Kit	FM1 Skid Mount Kit



FSDAKOTA STAND



WAND UPGRADE



FM1

OPTIONAL EQUIPMENT

ATV SPRAYERS



ATV CONTOUR SPRAYER

- Adaptable to Boom/Boomless Systems
- TeeJet and Banjo Plumbing Parts
- 5.3GPM Remco 12V Pump
- Inline TeeJet Strainer to Protect Pump
- Spray Wand and 20' Hose
- Liquid-Filled Gauge and Pressure Regulator
- Drain Valve
- 20 Gallon Tank with Sump

Part#	Capacity	Pump
ATV20	20 Gallons	5.3GPM Remco 12V Electric Bypass Pump



Slide In Receiver Mount Upgrade

TEEJET & BANJO PLUMBING PARTS

LIQUID FILLED GAUGE & PRESSURE REGULATOR

20 GALLON TANK WITH SUMP



ATV20 shown with Boom12 & Boomless Boominator on Standard Mounting Brackets

OPTIONAL EQUIPMENT

Part#	Description
BOOM80	Boom80 In. Pattern @ 40 in. Spacing
BOOM12	Boom12 Ft. Pattern @ 20 In. Spacing
BOOMLESS TJ*	Boomless Kit with Plastic TeeJet Nozzles
BOOMLESS HYPRO*	Boomless Kit with SS Hypro XT Nozzles
BOOMLESS BOOMINATOR*	Boomless Kit with SS Boominator Nozzles
ATVRM	Slide In Receiver Mount Upgrade
BOOMLESS-MOUNT-KIT	Mounting Bar and Hardware for Boomless Mount Kit
ATV20-BOOM-BOOMLESS-PLUMBING KIT	ATV20 3-Way Valve Boom and Boomless Plumbing Kit

*Multiple Nozzle Sizes & Spray Patterns Available

ATV SPOT SPRAYER

- 20 Gallon Tank
- Drain Sump in Tank
- 1.8 or 1.0 GPM Demand Pump
- TeeJet Spray Wand and 20' of 3/8" Spray Hose
- Drain Valve

Part#	Capacity	Pump
SS20 UTILITY	20 Gallons	1.0 GPM Delavan Pump
SS20		1.8 GPM Shurflo Pump



PULL-BEHIND SPRAYERS



PULL-BEHIND MINI SPRAYER

- 50 Gallon Low Profile Full Drain Tru-Kleen Tank
- 16.5 x 6.5 x 8 High Floatation Turf Tires
- Tank has Molded Anti-Vortex Baffles
- All Terrain Design
- Ships by Freight Truck
- Hose Reel with 50ft. of Hose
- Spray Wand



ATV MINI-50E SHOWN WITH BOOM12

Part#	Capacity	Pump	Controls
ATV MINI-50E		5GPM Electric Pump	Manual
ATV MINI-50	50 Gallons	4HP Honda with 22GPM Centrifugal Pump	Manual
ATV MINI-50-EC		4HP Honda with 22GPM Centrifugal Pump	Electric



OPTIONAL EQUIPMENT

Part#	Description
BOOM80	Boom - 80 In. Pattern (40 in. Spacing)
BOOM12	Boom - 12 Ft. Pattern (20 In. Spacing)
BOOMLESS TJ*	Boomless Kit with Plastic TeeJet Nozzles
BOOMLESS HYPRO*	Boomless Kit with SS Hypro XT Nozzles
BOOMLESS BOOMINATOR*	Boomless Kit with SS Boominator Nozzles

*Multiple Sizes Available



ATV MINI-50EC



PULL-BEHIND **ESTATE SPRAYER**

- 23 Gallon Capacity
- 2.2 GPM Pump
- Adjustable Hitch
- 6inch. Vented Lid
- Clean Drain Valve
- 20inch. Nozzle Spacing
- TeeJet Spray Wand
- 13inch. Turf Tires
- Full Drain Tru-Kleen Tank



Part#	Capacity	Pump	Boom Size	Nozzles
ES23	23 Gallons	2.2 GPM Pump	60"	3
ES23-MAX	23 Gallons	2.2 GPM Pump	100"	5

PULL-BEHIND **MAXI SPRAYER**

- Walking Tandem Axles
- Axles Adjust for Row Spacing (60"-80")
- Pull by a Small Utility Tractor or UTV
- 4HP Honda GX120 Engine w/22.5GPM Centrifugal Pump
- Boom Breakaway
- Adjustable Boom Height
- High Floatations Tires (20x20x8)
- Hose Reel & Spray Wand for Spot Spraying



Part#	Capacity	Pump	Controls
MAXI-110	110	4HP Honda GX120 Engine with 22.5 GPM Centrifugal Pump	Manual
MAXI-110-EC	110		Electric
MAXI-150	150		Manual
MAXI-150-EC	150		Electric

GE660 PUMP OPTIONS AVAILABLE

BOOM OPTIONS

- Electric Boom Controls
- Auto Rate Control (Call for Pricing)

Part#	Description
MAXI-BOOM20	Boom-20Ft. Spray Pattern(20 In. Spacing)
MAXI-BOOM30	Boom-30Ft. Spray Pattern(20 In. Spacing)
MAXI-BOOMLESS-MOUNT-KIT	Maxi Boomless H-Frame Mount Kit

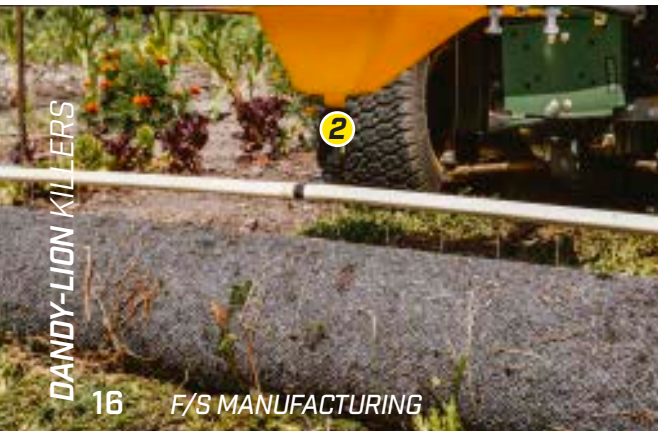


PULL-BEHIND SPRAYERS

DANDY-LION KILLERS

THE **NO DRIFT** CHEMICAL APPLICATOR.

- 01 TRU-KLEEN FULL DRAIN TANK
- 02 GRAVITY FED *[No Electronics]*
- 03 ADJUSTABLE HANDLE *[Push-Type]*
- 04 ADJUSTABLE HITCH *[Pull-Type]*
- 05 NO DRIFT ROLLER *[Applies Chemical Directly on Plants]*





WR36" 3 GALLON PUSH TYPE

Part#	Description
WR36	36" Weed Roller - Push Type
REPLACEMENT PARTS	
CWR1033	WR36 Manifold Assembly
CWR1034	WR36 Roller with Carpet
CWR1045	WR36 Carpet



WR48" 12 GALLON PULL TYPE

Part#	Description
WR48	48" Weed Roller - Pull Type
REPLACEMENT PARTS	
CWR1006	WR48 Manifold Assembly
CWR1025	WR48 Roller with Carpet
CWR1055	Plastic Knob Plunger Spring Lock Pin 1" x 5/8 - 11" x .44
CWR1066	WR48 Carpet
CWR1054	Replacement Tire



WR72" 25 GALLON PULL TYPE

Part#	Description
WR72	72" Weed Roller - Pull Type
REPLACEMENT PARTS	
CWR1070	WR72 Manifold Assembly (One Side Only)
CWR1034	WR72 Roller with Carpet
CWR1055	Plastic Knob Plunger Spring Lock Pin 1" X 5/8-11" X .44
CWR1045	WR72 Carpet
CWR1054	Replacement Tire



FIRE CONTROL



EXPECT THE
UNEXPECTED.

GUARDIAN 150 GALLON SHOWN
WITH SIDE MOUNT
[FSGUARD-150]



FIRE CONTROL



GUARDIAN

GRAIN CART FIRE FIGHTER

- 01** 150 GALLON TANK
- 02** KINK RESISTANT PVCS HOSE
- 03** MULTI-POSITION QUICK RELEASE HOSE WRAP
- 04** 205PH5 TRANSFER PUMP WITH 5.5HP HONDA GX160 ENGINE
- 05** TANK DRAIN

SPECIFICATIONS	FSGUARD-150
Capacity	150 Gallons
Hose Length	100'
Hose Size	3/4"
Spray Distance	35-40'
Max Output	50 PSI
Run Time	13 Minutes
Motor/Pump	5.5 HP Honda GX160 with 205PH5 Transfer Pump



MOUNTING KITS

REAR AND SIDE

Part#	Description
FSGUARD-MK-RM	Grain Cart Rear Mount Kit
FSGUARD-MK-SM	Grain Cart Side Mount Kit

***MAY NOT WORK WITH ALL MODELS**



GUARDIAN 200 GALLON SHOWN
PART# FSGUARD-200-¾-N

GUARDIAN SKID-MOUNT FIRE FIGHTER

- White or Yellow Tank
- 200-400 Gallon Capacity
- Forklift Pockets for easy lifting
- 1" or ¾" Cox Hose Reel
- Bottom Fill



SPECIFICATIONS	FSGUARD-200-*	FSGUARD-300-*	FSGUARD-400-*	FSGUARD-400-¾-*
Capacity	200 Gallons	300 Gallons	400 Gallons	400 Gallons
Hose Reel	1" Electric	1" Electric	1" Electric	¾" Electric
Hose Length	125'	125'	125'	125'
Hose Size	1"	1"	1"	¾"
Motor	5.5 HP Honda GX160	5.5 HP Honda GX160	5.5 HP Honda GX160	5.5 HP Honda GX160
Pump	Ace GE660 with 110 GPM	Ace GE660 with 110 GPM	Ace GE660 with 110 GPM	Ace GE660 with 110 GPM

PRO SERIES	FSGUARD-200-*-PRO	FSGUARD-300-*-PRO	FSGUARD-400-*-PRO	FSGUARD-400-¾-*-PRO
Motor	8 HP Honda GX240 with Electric Start	8 HP Honda GX240 with Electric Start	8 HP Honda GX240 with Electric Start	8 HP Honda GX240 with Electric Start
Pump	Ace GE860 with 140 GPM	Ace GE860 with 140 GPM	Ace GE860 with 140 GPM	Ace GE860 with 140 GPM

* Specify Tank Color Y N



GUARDIAN 100 GALLON HIGH PRESSURE SHOWN
[FSGUARD-100-HP-DP-70.1-GRIP]

LOOKING FOR MORE HOSE NOZZLE OPTIONS?
SEE PAGE 57



GUARDIAN ATV / UTV FIRE FIGHTER

- 50-100 Gallon Capacity
- Low-Profile Tru-Kleen Tank
- Clean Drain Valve
- Available with or without Hose Reel



FSGUARD-100



FSGUARD-100-HP-DP-70.1-GRIP



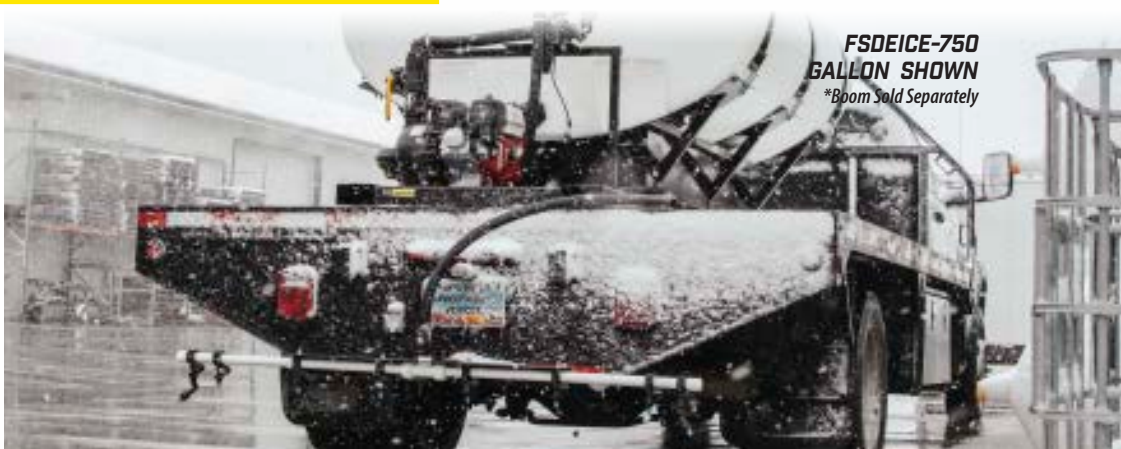
FSGUARD-50-LHR

SPECIFICATIONS	FSGUARD-100	FSGUARD-100-HP-DP-70.1-GRIP	FSGUARD-100-LHR
Capacity	100 Gallons	100 Gallons	100 Gallons
Hose Reel	Electric	Manual	-
Hose Length	100'	100'	25' (Kink Free)
Hose Size	3/4"	3/8"	3/4"
Spray Distance	35'	35'	35'
Max Output	40 PSI	290 PSI	40 PSI
Run Time	5 Minutes	30 Minutes	5 Minutes
Motor	4 HP Honda GX120	4 HP Honda Gx120	4 HP Honda GX120
Pump	Ace GE-85	John Blue DP-70.1-GRIP (Poly) Diaphragm	Ace GE-85
50 GALLONS	FSGUARD-50	FSGUARD-50-HP-DP-70.1-GRIP	FSGUARD-50-LHR

SPECIFICATIONS	FSGUARD-CONVERT
Hose Length	25'
Hose Size	3/4"
Spray Distance	35'
Max Output	40 PSI
Run Time	5 Minutes



ICE CONTROL



**FSDEICE-750
GALLON SHOWN**
**Boom Sold Separately*

DE-ICE SYSTEMS

SKID MOUNT

	SPECIFICATIONS	FSDEICE-200	FSDEICE-300	FSDEICE-400	FSDEICE-500	FSDEICE-750
01	Capacity	200 Gallons	300 Gallons	400 Gallons	500 Gallons	750 Gallons
02	Fill Type	Top				
03	Features	Forklift Pockets for Easy Lifting				
04	Controls	Manual Regulator with Electric Ball Valve Shutoff				
05	Pump	5.5 HP Honda with 2" Banjo Pump				

*ELECTRIC START
OPTIONS AVAILABLE*

06 BOOM OPTIONS

SPECIFICATIONS	FSDEICE-BOOM-8
Total Nozzles	8
Spacing	12"
Width	6'
Spray Coverage	8'



**FSDEICE-300
GALLON SHOWN**
**Boom Sold Separately*

DE-ICE SYSTEMS

PUSH-TYPE

- 5 Gallon Tru-Kleen Full Drain Tank
- Automatic Battery Trickle Charger
- Mighty Max Deepcycle 12V Battery
- 5 Hours of Continuous use Battery Life

SPECIFICATIONS	FSDEICE-PUSH-5
Capacity	5 Gallons
Fill Type	Top
Spray Coverage	4'
Nozzles	(2) 1/4" TTJ02-VS TeeJet
Spacing	20"
Application Rate	.4 GPM
Pump	1.2 GPM Delavan





**SHOWN WITH
FSDEICE-BOOM-4-3**
**Boom Sold Separately*

DE-ICE SYSTEMS **3-POINT**

- Category I 3-Point Hitch
- 4 Point Stand (50 Gallon Only)
- Pressure Regulating Relief Valve
- Winter proof Buna Seals for added CF7 & Brine resistance

SPECIFICATIONS	FSDEICE-HS-25	FSDEICE-HS-50
Capacity	25 Gallons	50 Gallons
Fill Type	Top	Top
Controls	Manual Regulator	Manual Regulator
Pump	5.3 GPM 12V Remco Bypass Pump with 60 PSI	5.3 GPM 12V Remco Bypass Pump with 60 PSI

DE-ICE SYSTEMS **LAWN TRACTOR**

- 25 Gallon Tru-Kleen Full Drain Tank
- Designed for John Deere X700 Series Lawn Tractors
- Pressure Regulating Relief Valve
- Compact Design for All Wheel Steering Maneuverability

SPECIFICATIONS	FSDEICE-JDX7-25
Capacity	25 Gallons
Fill Type	Top
Controls	Manual Regulator
Pump	5.3 GPM 12V Remco Bypass Pump with 60 PSI



**SHOWN WITH
FSDEICE-BOOM-4**
**Boom Sold Separately*

DE-ICE SYSTEMS **BOOM OPTIONS**

- TeeJet 7 Stream nozzles & Turfjet tips included on all models
- Hypro 3-Way Nozzle Bodies at 10" Spacing
- Stainless Steel hood for nozzle protection

STANDARD COVERAGE 4' Spray Coverage

Part#	Description
FSDEICE-BOOM-4	4' Wet Boom

EXTENDED COVERAGE

Boominator Nozzles add 5' of coverage on each side for a max coverage of 14'

Part#	Description
FSDEICE-BOOM-4-3	4' Wet Boom with Boominator Nozzles and Plumbing for 3 Section Manual Control
FSDEICE-BOOM-4-3-EC	4' Wet Boom with Boominator Nozzles and Plumbing for 3 Section Electric Control

TRUCK-MOUNT SPRAYERS



3 SECTION CONTROL



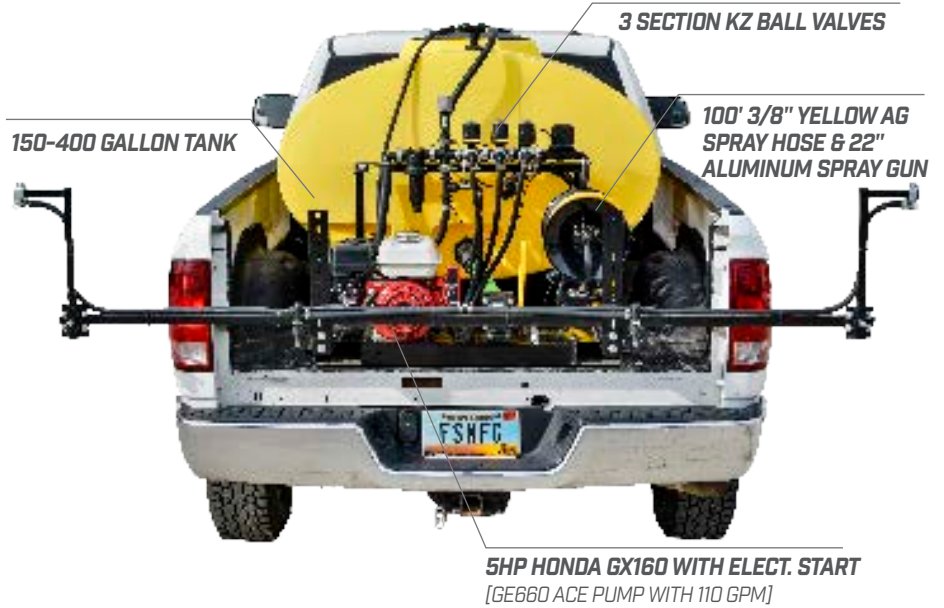
TURFJET WIDE ANGLE TIPS



BOOMINATOR NOZZLES

TRUCK-MOUNT **SKID SPRAYER**

- 744 TeeJet Electric Controller
- Spray Pattern up to 42'
- 3 Section KZ Ball Valves
- 5HP Honda GX160 with Electric Start
- GE660 Ace Pump with 110 GPM & 95 PSI
- Adjustable Boom Height
- 100' 3/8" Yellow Ag Spray Hose and 22" Aluminum Spray Gun



Part#	Tank Size
FS TRUCK SKID SPRAYER 300	300
FS TRUCK SKID SPRAYER 400	400

ACCESSORIES:

Part#
FS TRUCK SKID BOOMLESSBOOMINATOR*-3

**Multiple Sizes Available*

GOLF COURSE **SKID SPRAYER**

- 150 Gallon Tank
- KZ Ball Valve
- 5HP Honda GX160 with Electric Start
- GE85 Ace Pump
- Adjustable Boom Height

Part#	Tank Size
FS TRUCK SKID SPRAYER 150	150



FOR BOOM/BOOMLESS SYSTEM OPTIONS

SEE PAGES 10-12



HOSE REELS



SUPER REEL

- Heavy Duty Construction
- 12V Motor with Hand Control
- Manual Clutch Lockout for Easy Pull-Out
- Manual Crank Handle Included
- Guide Tubes for Easy Retrieval
- 2-Way Wireless and Manual Switches
- Stainless Steel Swivel
- Remote Controller
- Chain Guard
- Durable Powder Coat Finish
- Side Rollers

**STAINLESS STEEL SWIVEL
NOW STANDARD ON ALL
SUPER REELS**



HRE200



HRE200



HRE300

FOR SMALLER HOSE REEL OPTIONS SEE PAGE 38



SPECIFICATIONS	HR200SS	HRE200SS	HRE300SS
Model	2"	2"	3"
Dimensions	30(L) x 31(W) x 27(H)	30(L) x 31(W) x 27(H)	41(L) x 31(W) x 39(H)
Weight	150 lbs	150 lbs	255 lbs
Hose Capacity	75' of 2" Bumblebee	75' of 2" Bumblebee	75' of 3" Bumblebee
Controls	Manual Crank (adds 5" to width)	Electric	Electric

REPAIR PARTS:

Part#	Description	Part#	Description
CHR1093	Electric Motor	CHR1092	3" Stainless Steel Swivel
HR11	Wired Control Remote	CHR1191	Repair Kit for Hand Crank Shaft
CHR1088-B	11" Manual Crank Handle	CHR1123	2" O-Ring
CHR1115-B	9" Manual Crank Handle	CHR1124	3" O-Ring
CHR1089	2" Stainless Steel Swivel	CHR1099-01-B	Wireless Remote with Bracket

ACCESSORIES:

Part#	Description
HRSRK	Hose Reel Side Roller Kit

PARTS DIAGRAM / INSTRUCTIONS
ONLINE AT WWW.FSMFG.COM



**TRU-KLEEN CHEMICAL
INDUCTOR TANKS
(WITH STAND)**

TRU-KLEEN CHEMICAL INDUCTORS

- 16" Vented Lid
- Stand is Drilled and Ready to be Bolted Down
- 2" Male Threaded Snout (No Bulk-Head Fittings)
- 1 Gallon Increments on 20 - 65 Gallon Tanks
- 2.5 Gallon Increments on 100 and 200 Gallon Tanks

TANK & SHORT STAND COMBOS (Short Stands Allow Space For 2" Plumbing)

Part#	Capacity	Description	Dimensions
TK20TS-2	20 Gallons	Tank and Short Stand	18" x 39"
TK30TS-2	30 Gallons	Tank and Short Stand	18" x 48"
TK40MTS-2	40 Gallons	Magnum Tank and Short Stand	28" x 40"
TK65MTS-2	65 Gallons	Magnum Tank and Short Stand	28" x 48"

TANK & TALL STAND COMBOS (Tall Stands Allow Space For 3" Plumbing)

TK20TS-3	20 Gallons	Tank & Tall Stand	18" x 41"
TK30TS-3	30 Gallons	Tank & Tall Stand	18" x 51"
TK40MTS-3	40 Gallons	Magnum Tank & Tall Stand	28" x 43"
TK65MTS-3	65 Gallons	Magnum Tank & Tall Stand	28" x 51"
TK100MTS	100 Gallons	Magnum Tank & Tall Stand	35" x 48"
TK200MTS	200 Gallons	Magnum Tank & Tall Stand	35" x 78"

*PLUMBING KITS AVAILABLE IF NEEDED (Not Included with Tank & Stand Combos)

TKKIT-2	2" Inductor Plumbing Kit
TKKIT-3	3" Inductor Plumbing Kit

OPTIONAL ACCESSORIES: (See Guide)

Part#	Description
TKC20-30	Tru-Kleen Cone Rinse System
TKC40-65	
TKJUG	Tru-Kleen Stainless Jug Rinse
TKV20	Anti-Vortex Plate for 20/30 Gallons
TKV40	Anti-Vortex Plate for 40/65 Gallons
TKV100	Anti-Vortex Plate for 100/200 Gallons
JET RINSE	Jet Rinse Container Rinsers
TKJUGCUT	Stainless Jug Cutter with Rinse Ball
TKTURBO	Tru-Kleen Tank Agitation

CONE & JUG RINSE SYSTEMS FIT ALL F/S INDUCTORS!

TRU-KLEEN INDUCTOR PLUMBING KITS

- Ball Valve
- Tee
- Nipple
- Hose Barbs



TRU-KLEEN
**INDUCTOR
ACCESSORIES**

- 01 CONE RINSE**
Washes Chemical Out
Of Your Entire Tank
- 02 ANTI-VORTEX PLATES**
Prevents your Pump
from losing its prime
- 03 JUG RINSE**
Leaves No Wasted
Chemical in your Jugs
- 04 TANK AGITATION**
Evenly mixes chemical
- 05 JUG CUTTER**
Efficiently opens, empties,
& rinses chemical containers





TRU-KLEEN CHEMICAL INJECTORS

- Injects Chemical into Pressure Line (Installed after Pump)
- Keeps Pump Free of Chemical
- Anti-Vortex Plate
- Mixes Dry Chemical
- **Tru-Kleen Cone Rinse System Standard in all Cones**
- **One Jug Rinse per Double & Triple Injector Systems**

* - Indicate 2 for 2" plumbing

* - Indicate 3 for 3" plumbing

SINGLE INJECTOR

Part#	Description
TKINJ20-* -TKC	20 Gallon Tru-Kleen Chemical Injector
TKINJ30-* -TKC	30 Gallon Tru-Kleen Chemical Injector
TKINJ40-* -TKC	40 Gallon Tru-Kleen Chemical Injector
TKINJ65-* -TKC	65 Gallon Tru-Kleen Chemical Injector
TKINJ100-* -TKC	100 Gallon Tru-Kleen Chemical Injector



DOUBLE INJECTOR

Part#	Description
TKINJ40-30-* -TKC(x2)-TKJUG	Double Injector - TK40 & TK30
TKINJ40-40-* -TKC(x2)-TKJUG	Double Injector - TK40 & TK40
TKINJ65-40-* -TKC(x2)-TKJUG	Double Injector - TK65 & TK40



TRIPLE INJECTOR

Part#	Description
TKINJ40-40-40-* -TKC(x3)-TKJUG(x1)	Triple Injector - TK40(x3)
TKINJ65-40-40-* -TKC(x3)-TKJUG(x1)	Triple Injector - TK65, TK40 & TK40

OTHER TANK SIZES
AVAILABLE

OPTIONAL EQUIPMENT

Part#	Description
TKTURBO	Tru-Kleen Tank Agitation
TKJUG	Tru-Kleen Stainless Jug Rinse (See Pg.27)
TKJUGCUT	Stainless Jug Cutter with Rinse Ball



CONTINUED ON
THE NEXT PAGE



TRU-KLEEN MEASURING CYLINDER

- 13 or 25 Gallon Capacity
- 12" Diameter
- 6" Vented Cap
- 2" Male Threaded Tank Outlet

Part#	Description
TK13TS	Tank & Stand (12" x 47")
TK13TS-MK	Measuring Kit with Tank and Stand
TK25TS	Tank & Stand (12" x 73")
TK25TS-MK (Shown)	Measuring Kit with Tank and Stand



MEASURING KIT FEATURES

- 1/2" Sight Gauge for Accuracy
- TeeJet Internal Rinse Ball for Thorough Rinsing
- 1" Top Fill with 1" Male Adapter (**TK25TS-MK ONLY**)

BANJO VENTURIS



MIS220

Part#	Description
MIS220	2" Manifold Venturi Bypass Only
MIS300	3" Manifold Venturi Bypass Only

TRU-KLEEN RECIRCULATING BATCH MASTER

- 3 Pt. Recirculating Tru-Kleen Tank
- 2" or 3" Plumbing Options
- Powers an Entire Loading System
- Mixes Dry Chemical or Fertilizer

*PUMP SOLD
SEPARATELY*

Part#	Gallons
BATCHMASTER65-NM-PK*	65
BATCHMASTER100-NM-PK*	100
BATCHMASTER200-NM-PK*	200

- * - Indicate 2 for 2" plumbing
- * - Indicate 3 for 3" plumbing



TRU-KLEEN CHEMICAL INOCULATOR

- 20 Gallon Tank
- Adjustable Magnetic Nozzle Mount
- 0-60 Pound Liquid Pressure Gauge
- Manual Rate Adjustment
- 115V Pump with 20 ft. Power Cord
- Pneumatic Tires

Part#	Description
TKI-12V	Tru-Kleen Inoculator 12V Pump
TKI-115V	Tru-Kleen Inoculator 115V Pump



CHEMICAL HANDLING



TRU-KLEEN CONE BOTTOM TRAILERS

- Tru-Kleen Tank for transporting Liquid Fertilizer
- Available with or without a front deck for hauling totes
- 235/80R16 10-Ply High Speed Tires
- 2 5/16" Ball Hitch
- Brakes and Lights Standard
- 5 Year Prorated Tank Warranty
- Anti-Vortex Plate Included

* Specify Tank Color Y B N

CADDY ONLY

Part#	Gallons	Description
FSCADDY10-*	1000	Caddy
FSCADDY13-*	1300	Caddy
FSCADDY16-*	1600	Caddy

CADDY WITH TOTE DECK

Part#	Gallons	Description
FSCADDY10D-*	1000	Caddy with Deck
FSCADDY13D-*	1300	Caddy with Deck
FSCADDY16D-*	1600	Caddy with Deck

CADDY PLUMBING PACKAGES

FSCADDY-PK2	2" Plumbing Package
FSCADDY-PK3	3" Plumbing Package

1,300 Gallon Caddy without Deck



1,000 Gallon Caddy with Deck



TRU-KLEEN CONE BOTTOM TENDERS

- 2 (2,500 or 3,000 Gallon Tanks) **OR** 3 (3,000 gallon Tru-Kleen Tanks)
- 3" Male Threaded Snout (No Bulk-Head Fittings)
- Double Hydraulic Operation (Internal Hand Pump)
- 5 Year Prorated Tank Warranty
- Full Carry-Through Axle
- Mechanical Cylinder Lock for Transport
- 225/75R15 High Speed Tires
- 13'-2" Transport Height / 12'-3" Lowered Height
- **Heavy Duty** - 16# Per Gallon Rating Tanks

* Specify Tank Color Y N

Part#	Gallons	Description
FSTENDER2-2500-*	5000	Tandem Fertilizer Tender
FSTENDER2-*	6000	Tandem Fertilizer Tender
FSTENDER3-*	9000	Triple Fertilizer Tender

TENDER PLUMBING PACKAGES

FSTENDER2-PK	3" Plumbing Package for 2 Tank Tender
FSTENDER3-PK	3" Plumbing Package for 3 Tank Tender

9,000 Gallon
Triple



TRU-KLEEN CONE BOTTOM TANKS

- Molded 3" Male Threaded Snout
- No Bulk-Head Fittings
- 1600 and 2000 Gallon Suitable for Transport
- 5 Year Prorated Warranty
- 10 Degree Cone-Bottom w/ 16" Lid
- **Heavy Duty** - 16# Per/Gallon Rating
- Steel Stand with Steel Tank Tie Down



2500-3000 GALLON BLACK TANKS FOR WATER ONLY USE!



* Specify Tank Color



TANK & STANDS	Part#	Gallons	Tank Weight	Total Weight	(W x H)
	TK1000-90-*--TS	1000	225	740	93" x 65"
	TK1300-90-*--TS	1300	260	775	93" x 79"
	TK1600-*--TS	1600	300	815	90" x 91"
	TK2000-*--TS	2000	400	915	90" x 108"
	TK2500-*--TS	2500	500	965	91" x 120"
	TK3000-*--TS	3000	600	1,065	91" x 142"

Cone-Bottom Tanks come w/ a 3" Flange Fitting & can be reduced for 2" Plumbing

ACCESSORIES	Part#	Description
	TK-PK2	2" Plumbing Package
	TK-PK3	3" Plumbing Package
	TKV1600	1600 Gallon and 2000 Gallon Anti-Vortex Plate
	TKV3000	2500 Gallon and 3000 Gallon Anti-Vortex Plate

TANK & STANDS	Part#	Gallons	Weight (Lbs.)	W x L x H
	CBT4900-W-TS	4900	1748	102 x 159 x 170
	CBT6900-W-TS	6900	2720	122 x 168 x 178
	CBT8250-W-TS	8250	3120	122 x 195 x 205

**FOR STAINLESS
STEEL VALVES**
SEE PAGE 58



FLAT BOTTOM VERTICAL TANKS

- 5 Year Prorated Warranty
- 4 Spike Tie Downs
- Fills 100%
- Manhole Above Top with 16" Lid
- 16# Per Gal. Rating
- Rebated Bottom Corner (Protects Against Cracking)
- Siphon Tube Pickup
- 2" Standard Bulkhead Fitting (3" fitting on 2500/3000 Gallon tanks)



* Specify Tank Color



Part#	Gallons	Weight (Lbs.)	(W x H)
FSVT1000-82-*	1000	225	82 x 60
FSVT1300-82-*	1300	260	82 x 74
FSVT1600-*	1600	300	85 x 74
FSVT1625-*	1625	300	82 X 85
FSVT2000-*	2000	400	85 x 90
FSVT2500-*	2500	500	90 x 104
FSVT3000-*	3000	600	90 x 123

Part#	Description
SG-KIT	Poly Valve Sight Gauge Kit
SG-KIT-HD	Heavy Duty Stainless Steel Sight Gauge Kit

Great for use in
Van Trailers!

CHEMICAL HANDLING

FLAT BOTTOM VERTICAL TANKS



Part#	Gallons	Weight (Lbs.)	W x H
VT55	55	22	20 x 47
VT65	65	25	23 x 42
VT100	100	36	28 x 45
VT110	110	40	32 x 41
VT175	175	54	31 x 61
VT225	225	65	31 x 76
VT265	265	74	31 x 88
VT300	300	73	42 x 55
VT425	425	101	42 x 75
VT500	500	118	46 x 77
VT550	550	116	52 x 66
VT600	600	130	46 x 91
VT800	800	175	46 x 118
VT900	900	222	46 x 132
VT5150	5150	1350	102 x 161
VT6250	6250	1550	102 x 194
VT10500	10500	2800	142 x 177

RINSE TANKS



Part#	Gallons
RT3	3
RT5	5
RT12	12
RT25	25
RT35	35
RT55	55

PICKUP TANKS



Part#	Gallons	Weight (Lbs.)	WxLxH
PUT200	200	54	52 x 30
PUT305	305	97	60 x 58 x 30 (Water Only)
PUT350	350	92	62 x 34
PUT450	450	102	62 x 41

TANK LIDS



Part#	Description
LID4	4" Center Lid with Breather
LID6	6" Female Lid with Breather
LID8	8" Lid with Breather
LID10	10" Lid with Breather
LID12	12" Threaded Vented Lid & Ring
LID12IND	12" Threaded Non-Vented Lid
LID16	16" Lid with Breather
TL16-0006-01	16" Hypro Duralok Hinged Lid

BULKHEAD FITTINGS/ SIPHON TUBES



Part#	Description
BHF12	½ Polypropylene
BHF34	¾ Polypropylene
BHF100	1" Polypropylene
BHF114	1¼" Polypropylene
BHF112	1½" Polypropylene
BHF200	2" Polypropylene
BHF300	3" Polypropylene
ST200	2" Siphon Tube
ST300	3" Siphon Tube
MBF200BD	2" Flange X 2" Epdm Female Thread Bottom Drain
MBF220BD	2" Full Port Flange X 2" Epdm Female Thread Bottom Drain
MBF300BD	3" Flange X 3" Epdm Female Thread Bottom Drain
MTF300	3" Manifold Poly Bulkhead Epdm Fitting

ELLIPTICAL TANKS / CRADLES



* Specify Tank Color

Y	N
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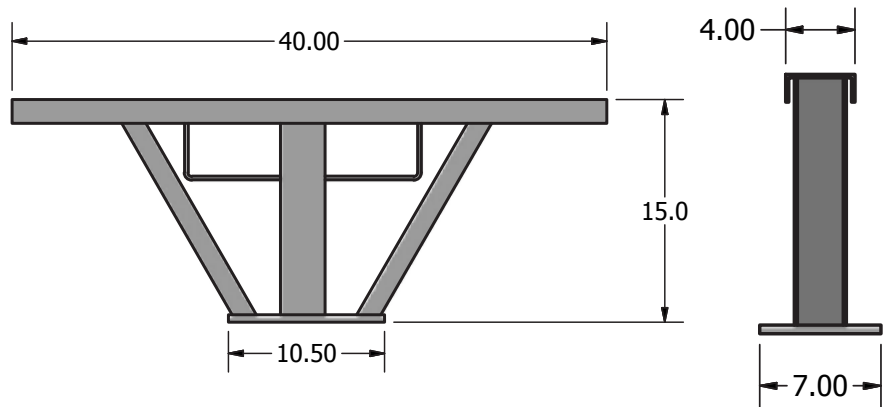
Part#	Gallons	Weight (Lbs.)	W x L x H
ET200-*	200	82	41 X 66 X 26
ET300-*	300	114	48 X 70 X 30
ET400-*	400	130	57 X 70 X 36
ET500-*	500	180	57 X 82 X 36
ET600-*	600	200	57 X 82 X 40
ET750-*	750	240	69 X 89 X 46
ET850-*	850	270	69 X 89 X 49
ET1000-*	1000	285	78 X 90 X 49
ET1250-*	1250	400	78 X 92 X 60
ET1600-*	1600	439	78 X 138 X 49

Part#	Weight (Lbs.)	W x L x H
CET200-CR	140	Cradle - ET200
CET300-CR	155	Cradle - ET300
CET400-CR	190	Cradle - ET400
CET500/600-CR	202	Cradle - ET500 / ET600
CET750/850-CR	216	Cradle - ET750 / ET850
CET1000-CR	515	Cradle - ET1000
CET1250-CR	520	Cradle - ET1250
CET1600-CR	578	Cradle - ET1600

Part#	Description
CET200-SK	Strap Kit for ET200
CET300-SK	Strap Kit for ET300
CET400-SK	Strap Kit for ET400
CET500/600-SK	Strap Kit for ET500/ET600
CET750/850-SK	Strap Kit for ET750/ET850
CET1000-SK	Strap Kit for ET1000
CET1250-SK	Strap Kit for ET1250
CET1600-SK	Strap Kit for ET1600



PLANTER TANK STAND SHOWN WITH 500 GALLON ELLIPTICAL TANK



PLANTER TANK STAND

- Can be used for 300, 400, 500, 750 or 850 Gallon Elliptical Tanks
- Each Stand requires two 8" x 14" U-Bolts to attach stand to cradle. (U-Bolts not included)

Part#	Description
PTS	Planter Tank Stand
PTS-UBOLT	U-Bolt For Planter Tank Stand 14" - Made To Print with +/- .060 Tolerance
PTS-UBOLT-LONG	U-Bolt For Planter Tank Stand 18.75" - Made To Print with +/- .060 Tolerance



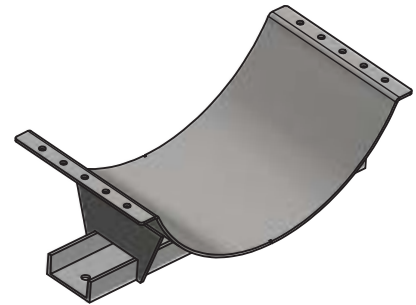
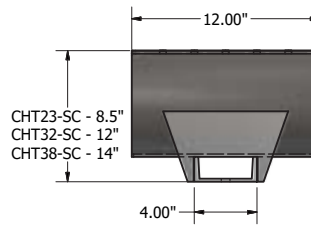
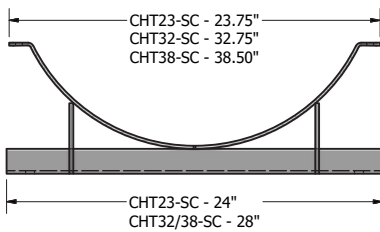
HORIZONTAL TANKS / CRADLES

FOR TANK CLEANER
SEE PAGE 72



TANKS	Part#	Gallons	Weight (Lbs.)	W x L
	HT25	25	14	23 X 22
	HT50	50	23	23 X 36
	HT55	55	23	23 X 38
	HT75	75	31	24 X 47
	HT95	95	35	24 X 56
	HT100	100	40	23 X 64
	HT110-30	110	40	30 X 44
	HT110-32	110	44	32 X 38
	HT150-30	150	50	30 X 57
	HT150-32	150	52	32 X 54
	HT200-32	200	64	32 X 68
	HT200-38	200	70	38 X 51
	HT300	300	88	38 X 76
	HT400	400	117	42 X 76
HT500	500	122	48 X 79	

CRADLES	Part#	Weight (Lbs.)	Description
	CHT25-CR	20	Cradle for HT25
	CHT50-CR	24	Cradle for HT50
	CHT55-CR	24	Cradle for HT55
	CHT75-CR	36	Cradle for HT75
	CHT95-CR	38	Cradle for HT95
	CHT100-CR	40	Cradle for HT100
	CHT11030-CR	40	Cradle for HT11030
	CHT11032-CR	40	Cradle for HT11032
	CHT15030-CR	57	Cradle for HT15030
	CHT15032-CR	55	Cradle for HT15032
	CHT20032-CR	110	Cradle for HT20032
	CHT20038-CR	85	Cradle for HT20038
	CHT300-CR	145	Cradle for HT300
	CHT400-CR	146	Cradle for HT400
CHT500-CR	170	Cradle for HT500	



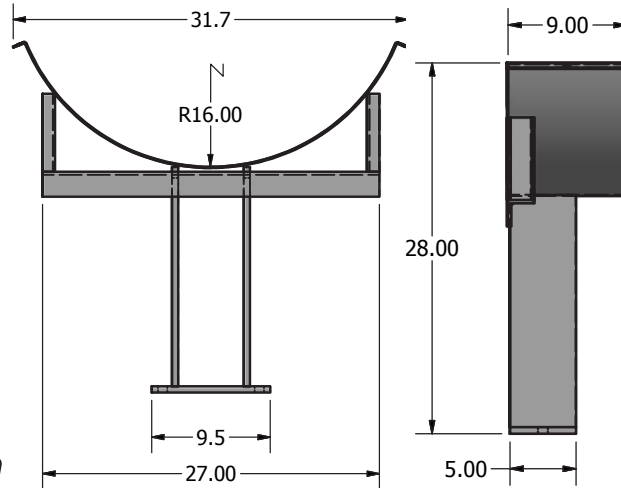
SPLIT CRADLES

SPLIT CRADLES	Part#	Description
	CHT23-SC	Split Cradle for 23" Horizontal Tank
	CHT32-SC	Split Cradle for 32" Horizontal Tank
	CHT38-SC	Split Cradle for 38" Horizontal Tank

STRAP KITS

STRAP KITS	Part#	Description
	CHT23-SK	Strap Kit for 23" Diameter Tank (50 Gallon 55 Gallon)
	CHT30-SK	Strap Kit for 30" Diameter Tank (110 Gallon 150 Gallon)
	CHT32-SK	Strap Kit for 32" Diameter Tank (110 Gallon 150 Gallon 200 Gallon)
	CHT38-SK	Strap Kit for 38" Diameter Tank (200 Gallon 300 Gallon)

NEED THREAD SEALANT
SEE PAGE 44



TOOL BAR TANK STAND

- Used for 110, 150 or 200 Gallon Horizontal Tanks with 32" Diameter
- Mounts Tank to up to a 7" Tool Bar
- Straps for Tank included

Part#	Description
PKSTAND	Tool Bar Tank Stand



SHOWN WITH 110 GALLON TANK AND PAIR OF TANK STANDS

LEG TANKS / HOOPS

Part#	Gallons	Weight (Lbs.)	W x L x H
LT15	15	11	14 x 30 x 8
LT25	25	13	16 x 34 x 22
LT65	65	24	24 x 39 x 30
LT70	70	35	24 x 39 x 30**
LT125	125	52	32 x 44 x 35
LT165	165	70	32 x 54 x 37
LT225	225	85	38 x 52 x 42
LT325	325	106	38 x 72 x 42
LT535	535	160	48 x 78 x 54
LT735	735	250	48 x 103 x 54*
LT1065	1065	340	56 x 105 x 63*
LT1300	1300	425	62 x 114 x 67*
LT1610	1610	530	78 x 139 x 56*
LT1750	1750	616	62 x 147 x 68*
LT2350	2350	920	88 x 146 x 63*
LT3250	3250	1208	88 x 146 x 79*
LT3750	3750	1422	88 x 146 x 91*
LT4250	4250	1617	88 x 146 x 101*

TANKS



Part#	Description
LT735-HP	Hoops for LT735 (Set of 3)
LT1065-HP	Hoops for LT1065 (Set of 3)
LT1300-HP	Hoops for LT1300 (Set of 3)
LT1610-HP	Hoops for LT1610 (Set of 4)
LT1750-HP	Hoops for LT1750 (Set of 4)
LT2350-HP	Hoops for LT2350 (Set of 4)
LT3250-HP	Hoops for LT3250 (Set of 4)
LT3750-HP	Hoops for LT3750 (Set of 4)
LT4250-HP	Hoops for LT4250 (Set of 4)

HOOPS

* Hoops Required **Stackable

TANK ACCESSORIES

RINSE BALL

- 360 Degree Tank Coverage
Sprays Entire Tank Interior
- 20 Ft. Range
- Minimum Pressure 3 GPM at 50 PSI
- Maximum Pressure - 200 PSI
- 1" Female Pipe Thread



Rinse Ball PC1/2F-235120

Part#	Description
RINSE BALL	Delta Tank Rinse Ball
PC1/2F-235120	Hypro Rinse Ball
55270-1/2-11-POM	Spray Systems Tank Rinsing Nozzle 3/4" Fpt
55270-3/4-18-POM	Teejet Rotating Tank Rinse Nozzle 1/2" Fpt

HUDSON FILL CONTROL VALVE



Part#	Description
HUDSONVALVE	Hudson Fill Control Valve
HUDSONVALVEKIT	Hudson Valve Repair Kit

TRU-KLEEN AUGER TREATER

- 3 or 5 Gallon Models
- Mounts on a Truck Box or Auger
- Two Outlets for Thorough Coverage

Part#	Gallons	Pump
TBT3-12	3	12V
TBT3-115		115V
TBT5-12	5	12V
TBT5-115		115V



F/S FOAM MARKER

- 12V DC Operated
- 3-Position Switch Enclosed in Weatherproof Cover
- Two Stage Foam Generation
- Boom End Mounted Foam Chambers
- 125' Delivery Hose (FM14/FM25 Only)
- 4" Fluorescent Drop Boots for Visibility

Part#	Description
FM1	1 Gallon Foam Marker
FM6	6 Gallon Foam Marker
FM14	14 Gallon Foam Marker
FM25	25 Gallon Foam Marker



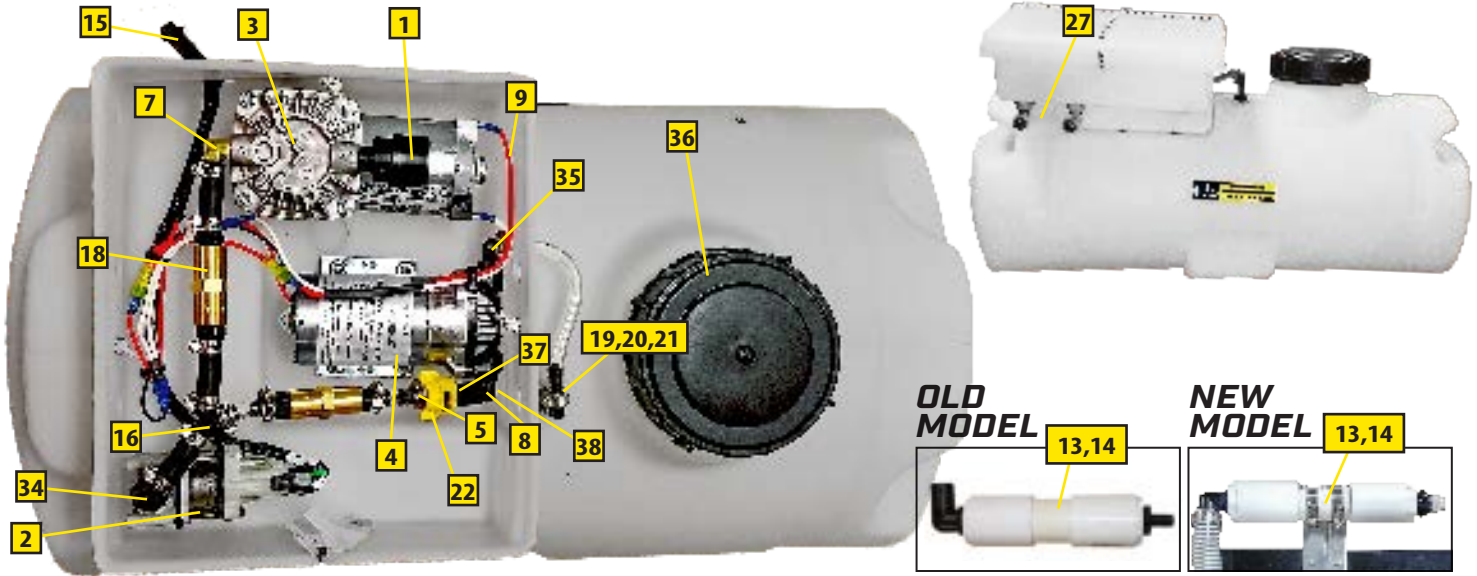
“THE ONE THAT WORKS”



FOR FOAM MARKER CONCENTRATE
SEE PAGE 73



FOAM MARKERS



OLD FOAM MARKER PARTS LIST:

No.	Part#	Description
1	299111	Salvaranni Air Filter
2	2504B	3-Way Solenoid Valve 0-2 GPM, 75 PSI, 12V, 1.1 AMP
3	299501.04NPT	12 V Diaphragm Compressor (96W 1.27CFM, 36PSI) NPT Port
4	8006-543-250	Diaphragm Pumps By Pass (1.4 GPM)
5	8400-406-NYB	Hose Shank Connection
6	BC4	Band Clamp - SS 1/4" - 3/4"
7	BE1438	Brass Hose Barb Elbow 1/4" MPT x 3/8" Barb
8	BSE14	Street Elbow - 1/4"
9	CFM1001	Foam Marker Compressor Pig Tail Assembly
10	CFM1003	Foam Marker Bungee Cord
11	CFM1031	Drop Boot Assembly - FM6
12	CFM1009	Drop Boot Assembly FM14 & FM25
13	CFM1010	3/4" Foam Chamber Assembly
14	CFM1020	1-1/2" Foam Chamber Assembly
15	CFM1013	FM Harness Assembly Complete
16	CFM1015	Y Hose Assembly
17	CFM1035	Brass Check Valve Assembly - SGH38
18	CFM1021	Brass Check Valve Assembly - EPDMSH38
19	CFM1024	6 Gallon Suction Tube Assembly
20	CFM1022	14 Gallon Suction Tube Assembly
21	CFM1023	25 Gallon Suction Tube Assembly
22	CP114444-CE	Quick Teejet Cap Yellow
23	CP18999-EPR	Quick Teejet Seat Gasket - EPDM For Disc-Core
24	CP4916-20	Teejet Flow Regulators (Stainless Steel)
25	CP4916-25	Teejet Flow Regulators (Stainless Steel)
26	CP4916-30	Teejet Flow Regulators (Stainless Steel)
27	CFM1017	Weather Housing Base And Cover
28	CTANK-FM6	6 Gallon Rectangle Tank with 2" Lid
29	CTANK-FM14	14 Gallon Tank
30	CTANK-FM25	25 Gallon Tank
31	EVA12B	EVA 1/2" Black
32	HBE12	MPT Hose Barb Elbow 1/2" x 1/2"
34	HBE1238	MPT Hose Barb Elbow 1/2" x 3/8"
35	HBE38	MPT x Hose Barb Elbow 3/8" x 3/8"
36	LID6	6" Female Lid With Spring Breather
37	QJ1/4TT-NYB	Quick Teejet Nozzle Body - 1/4" Pipe Con- M
38	RB3814	Reducer Bushing 3/8" x 1/4"

NEW FOAM MARKER PARTS LIST:

No.	Part#	Description
1	299111	Salvaranni Air Filter
2	2504B	3-Way Solenoid Valve 0-2 GPM, 75 PSI, 12V, 1.1 AMP
3	299501.04NPT	12 V Diaphragm Compressor (96W 1.27CFM, 36PSI) NPT Port
4	8006-543-250	Diaphragm Pumps By Pass (1.4 GPM)
5	8400-406-NYB	Hose Shank Connection
6	BC4	Band Clamp - SS 1/4" - 3/4"
7	BE1438	Brass Hose Barb Elbow 1/4" MPT x 3/8" Barb
8	BSE14	Street Elbow - 1/4"
9	CFM1001	Foam Marker Compressor Pig Tail Assembly
10	CFM1003	Foam Marker Bungee Cord
11	CFM1031	Drop Boot Assembly - FM6
12	CFM1009	Drop Boot Assembly FM14 & FM25
13	CFM1038	3/4" Foam Chamber Assembly
14	CFM1039	1-1/2" Foam Chamber Assembly
15	CFM1013	FM Harness Assembly Complete
16	CFM1015	Y Hose Assembly
17	CFM1035	Brass Check Valve Assembly - SGH38
18	CFM1021	Brass Check Valve Assembly - EPDMSH38
19	CFM1024	6 Gallon Suction Tube Assembly
20	CFM1022	14 Gallon Suction Tube Assembly
21	CFM1023	25 Gallon Suction Tube Assembly
22	CP114444-CE	Quick Teejet Cap Yellow
23	CP18999-EPR	Quick Teejet Seat Gasket - EPDM For Disc-Core
24	CP4916-20	Teejet Flow Regulators (Stainless Steel)
25	CP4916-25	Teejet Flow Regulators (Stainless Steel)
26	CP4916-30	Teejet Flow Regulators (Stainless Steel)
27	CFM1017	Weather Housing Base And Cover
28	CTANK-FM6	6 Gallon Rectangle Tank with 2" Lid
29	CTANK-FM14	14 Gallon Tank
30	CTANK-FM25	25 Gallon Tank
31	JGPT86BK	.500 OD x .375 ID Poly Tubing 100' Roll, Black
32	JGMC88	1/2" MPT x 1/2" OD - Male Connector
33	JGTEC88	1/2" Push Pull Stem x 1/2" OD Push Pull, Elbow
34	HBE1238	MPT Hose Barb Elbow 1/2" x 3/8"
35	HBE38	MPT x Hose Barb Elbow 3/8" x 3/8"
36	LID6	6" Female Lid with Spring Breather
37	QJ1/4TT-NYB	Quick Teejet Nozzle Body - 1/4" Pipe Con- M
38	RB3814	Reducer Bushing 3/8" x 1/4"

COXREELS \ MIST SPRAYERS

NEW



COXREELS

SIGNATURE FEATURES

- Professional grade heavy duty steel construction
- Durable proprietary CPC™ powder coat process
- Rolled edges & ribbed discs provide strength & safety
- Leading 2-year manufacturer's limited warranty
- Made in the U.S.A. - Sold & Supported Worldwide

POSSIBLE FIELDS OF APPLICATION

- Industrial Plant & Ground Maintenance
- Fire Suppression
- Farming
- Construction Sites
- Landscape
- Pest & Weed Control
- Golf Course Maintenance
- Air Compressor
- Washdown
- High-Flow Watering
- Hydro Seeding
- Pressure Washing
- Agricultural Spraying
- Chemical Fluid Transfer



A1 MIST SPRAYERS

“THE TERMINATOR”

- Heavy Duty 3-Point, Compatible with Category I, II, & III
- 540 PTO Shaft
- Electric 210 Degree Right to Left Rotation
- Forklift Compatible Frame
- Up to 80' Vertical or 140' Horizontal Throw

Part#	Gallons	Description
3PT-HPR-60-R15	60	3-Point “Terminator”
3PT-HPR-100-R15	100	3-Point “Terminator”
TX3PT-HPR-100-R15	100	3-Point “Titan X”



“THE RANGER”

- 40 or 60 Gallon Tank
- 11 HP Electric Start Honda Engine
- Electric 210 Degree Right to Left Rotation
- Forklift Compatible Frame
- Up to 70' Vertical or 130' Horizontal Throw

Part#	Gallons	Description
URX-40-R14	40	Gas Eng. Driven “Ranger”
URX-60-R14	60	Gas Eng. Driven “Ranger”



“THE BOSS”

- 15, 25, or 40 Gallon Tank
- 5.5 HP Electric Start Honda Engine
- Manual 210 Degree Right to Left Rotation
- Forklift Compatible Frame
- Up to 30' Vertical or 75' Horizontal Throw

Part#	Gallons	Description
TRB-15	15	“Boss”
TRB-25	25	“Boss”
TRB-40	40	“Boss”



CULTIVATOR / A1 MIST SPRAYERS

CHEMICAL HANDLING

F/S PLANTER FERTILIZER KITS

- Push-Pull Fittings
- Mounting Bracket for 7" Square Tube
- 3/8" U Bolts
- 1/4" Nylon Tubing
- Rubber Feed Hose
- Manifold
- Filter
- Orifices
- Diaphragm Check Valves
- Wilger Style Columns



12 Row Kit Shown

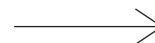
GIVE US A CALL TODAY,
 & our knowledgeable team will help
 design you a custom planter kit!

***Electric pump not included in kit.**

Part#	Description
CPK1000-B	Vertical Bracket for Planter Kit Flow Columns
CPK1001-WH	Horizontal Bracket for Planter Kit Flow Columns - White
PKUBOLT	U-Bolt For Planter Kit Bracket

FOR PLANTER TANK MOUNTING OPTIONS

SEE PAGE 33



PLANTER KIT PUMPS / CHECK VALVES



FMCSC-HYD-204-SS



5850-111E



7970-111Y



QJ98595-1/4-5
 (Diaphragm Check Valve)



FMCWS-125-HYD-204



NGP-6055-F

Part#	Description
FMCSC-HYD-204-SS	Ace Hydraulic Centrifugal Pump, 4 GPM Hydraulic Motor, Silicon Carbide Shaft Seal, Stainless Steel Hardware. Max Flow: 85 GPM, Max Pressure: 100 PSI.
FMCWS-125-HYD-204	Pump - Hyd Drive 1-1/4" X 1", Wet Seal
5517-2E1-63A	Remco - 5.3 GPM, Bypass, 60PSI, 12VDC with Quick Attach Ports
7971-1114-OEM-SB	Delavan 7GGM, Bypass, 60 PSI, 12VDC with Quick Attach Ports
QJ98595-1/4-5	1/4" Quick TeeJet Push-Pull Assembly with Chemsaver
QJ98594-3/8-5	3/8" Quick TeeJet Push-Pull Assembly with Chemsaver
CS-150-HYM	Wet Seal Hyd Drive Cent Pump, 4 Gpm Hyd Motor with Manifold, 1-1/2" In - 1-1/4" Out
NGP-6055-F	Piston Pump - 21.0 Single Piston - Flanged

ELECTRIC PUMP CONTROLLERS



MSC30-DD



Implement Switch

Part#	Description
MSC30-DDKIT	30 Amp Digital Speed Control
BC30-10	10' Battery Cable for MSC30
MC30-15	15' Motor Cable for MSC30
IMP SWITCH	Implement Switch

IN-FURROW OPTIONS

- Guides seeds to the bottom of the furrow
- Enters the seed trench right behind the discs
- Shaped like the seed V
- Peels seeds off the sidewall and funnels them to the bottom
- Does not press the seed in the ground
- Easy to install
- Can be used with optional fittings and liquid fertilizer attachments

Orange Plastic Spoon (ROPS)
 with YNOT Split-It Kit



Part#	Description
ROPS	Orange Plastic Spoons (per row)
YNOT	Split-It Kit for ROPS

FLOW INDICATORS \ REGULATORS



FLOW INDICATOR COLUMN ASSEMBLIES



20460-01



20460-03



20460-04

FLOW INDICATOR ASSEMBLY/PARTS

Part#	Description
20460-00	Flow Indicator Assembly (Includes Body, Ball Retainer, O-Ring, Seal, Two U-Clips & Black, Red, Green and 1/2 Stainless Steel Balls)
20460-01	Flow Indicator Body
20460-04	Lock U-Clamp, 302SS
20460-02	Ball Retainer
20460-03	O-Ring – 212 (For Indicator Body & Fittings)
40225-04	O-Ring – 015 (For Orifice Inserts)

FLOW INDICATOR O-RING FITTINGS

HOSE SHANK ADAPTERS



20503-00



20512-00

Part#	Description
20501-00	ORS x Hose Shank Strait 3/8"
20502-00	ORS x Hose Shank Strait 1/2"
20503-00	ORS x Hose Shank Strait 3/4"
20511-00	ORS x Hose Shank 90° 3/8"
20512-00	ORS x Hose Shank 90° 1/2"
20513-00	ORS x Hose Shank 90° 3/4"
20516-00	ORS Male x 1/4" Push-In Tube 90°
20517-00	ORS Male x 3/8" Push-In Tube 90°

CONNECTOR TEES



20522-00



20523-00



20525-00

Part#	Description
20523-00	ORS Male x ORS Female(Blind) x 3/8" NPT FE Isolator Tee
20524-00	ORS Male x ORS Female x 3/8" NPT FE – Tee
20525-00	ORS Male x ORS Male x 1" NPT FE Tee
20526-00	ORS Male x ORS Male x ORS Female–Tee with 1/4" NPT Port



20518-00



20519-00



20521-00

1/4" NPT FITTING ADAPTER

Part#	Description
20518-00	ORS Male x 1/4" NPT FE 90°
20519-00	ORS Male x 1/4" NPT FE

CAP

Part#	Description
20521-00	ORS Cap



FLOW INDICATOR BALLS

Part#	Description
20460-08	Flow Ind. Ball – Green – 0.05-0.18GPM
20460-07	Flow Ind. Ball – Red Celon – 0.09-0.30GPM
20460-06	Flow Ind. Ball – Maroon Glass – 0.31-0.72GPM
20460-05	Flow Ind. Ball – 1/2 Stainless Steel 302 – 0.40-1.33GPM



JOHN BLUE VISA GAGE II



SMSS4

Part#	Description
SMSS4	Set of 4 Flow Monitor Assembly - Spray Type includes: 4 bodies, 1/2" NPT female inlet, 3/8" NPT female outlet, (20) 1/2" diameter balls, end cap, Viton O-rings & stainless steel retainer clips
SMPT-0001	Flow Monitor Body Only - Spray System Type
SMPT-0051	John Blue Vg2 1/4" Tube Push-Conn Elbow Adapter
SMPT-0053	Adapt Elbow - 3/8" Push Con (No Oring)
SMPT-0003	3/8" Npt Visagage Port Adapter
SMPT-0004	1/2" Female Npt Port Inlet Adapter
SMPT-0007	#212 Viton O-Ring
SMPT-0006	Retainer Clip For John Blue Visagage

TeeJet FLOW REGULATORS

Part#	Description
CP4916-*	TeeJet Flow Regulator



Note: Always insert Orifice Plate with side marked with number facing the outlet.

MATERIAL: Stainless Steel

To determine the orifice plates you need, use the following equations:

$$\text{GPM (Per Nozzle)} = \frac{\text{GPA} \times \text{MPH} \times \text{W}}{5,940}$$

$$\text{GPA} = \frac{5,940 \times \text{GPM (Per Nozzle)}}{\text{MPH} \times \text{W}}$$

W = Nozzle spacing (in inches) for broadcast spraying.

= Spray width (in inches) for single nozzle, band spraying or boomless spraying.

= Row spacing (in inches) divided by the number of nozzles per row for directed spraying.

Tip Strainer Size Recommendation

FOR ORIFICE SIZE	USE MESH SIZE
15 and smaller	200
16-39	100
40-70	50
72 and larger	—

Tabulated flow rates are for spraying water into air at atmospheric pressure. If your application creates backpressure, or if spraying into a liquid, measure and calibrate to ensure proper application rates. For spraying solutions other than water, see chart below for conversion factors.

Orifice Size	GPM						
	5 PSI	10 PSI	20 PSI	30 PSI	40 PSI	50 PSI	60 PSI
CP4916-008	0.003	0.004	0.006	0.007	0.008	0.009	0.010
CP4916-10	0.005	0.007	0.009	0.011	0.013	0.015	0.016
CP4916-12	0.007	0.010	0.013	0.016	0.019	0.021	0.023
CP4916-14	0.009	0.013	0.018	0.022	0.025	0.028	0.031
CP4916-15	0.010	0.015	0.021	0.025	0.029	0.032	0.036
CP4916-16	0.012	0.017	0.023	0.029	0.033	0.037	0.040
CP4916-18	0.015	0.021	0.030	0.036	0.042	0.047	0.051
CP4916-20	0.018	0.026	0.037	0.045	0.052	0.058	0.064
CP4916-22	0.022	0.031	0.043	0.053	0.061	0.068	0.075
CP4916-24	0.026	0.037	0.052	0.064	0.074	0.083	0.091
CP4916-25	0.028	0.040	0.056	0.068	0.079	0.088	0.097
CP4916-26	0.030	0.043	0.061	0.074	0.086	0.096	0.105
CP4916-27	0.032	0.046	0.064	0.079	0.091	0.102	0.111
CP4916-28	0.035	0.049	0.069	0.085	0.098	0.110	0.120
CP4916-29	0.038	0.054	0.076	0.094	0.108	0.121	0.132
CP4916-30	0.040	0.057	0.081	0.099	0.114	0.127	0.140
CP4916-31	0.043	0.062	0.087	0.107	0.123	0.138	0.151
CP4916-32	0.048	0.068	0.095	0.117	0.135	0.151	0.165
CP4916-34	0.052	0.074	0.104	0.127	0.147	0.164	0.180
CP4916-35	0.056	0.079	0.111	0.136	0.157	0.176	0.192
CP4916-37	0.061	0.086	0.122	0.149	0.172	0.192	0.211
CP4916-39	0.068	0.096	0.135	0.165	0.191	0.214	0.234
CP4916-40	0.072	0.102	0.144	0.177	0.204	0.228	0.250
CP4916-41	0.075	0.106	0.149	0.183	0.211	0.236	0.258
CP4916-43	0.082	0.116	0.163	0.200	0.231	0.258	0.283
CP4916-45	0.088	0.125	0.177	0.217	0.250	0.280	0.306
CP4916-46	0.095	0.135	0.191	0.234	0.270	0.302	0.331

Orifice Size	GPM						
	5 PSI	10 PSI	20 PSI	30 PSI	40 PSI	50 PSI	60 PSI
CP4916-47	0.097	0.138	0.194	0.238	0.275	0.307	0.337
CP4916-48	0.101	0.143	0.202	0.248	0.286	0.320	0.350
CP4916-49	0.104	0.148	0.209	0.255	0.295	0.330	0.361
CP4916-51	0.116	0.165	0.233	0.285	0.329	0.368	0.403
CP4916-52	0.118	0.168	0.237	0.290	0.335	0.375	0.410
CP4916-54	0.127	0.180	0.255	0.312	0.360	0.402	0.441
CP4916-55	0.133	0.189	0.267	0.326	0.377	0.421	0.462
CP4916-57	0.141	0.200	0.283	0.346	0.400	0.447	0.490
CP4916-59	0.153	0.217	0.306	0.375	0.433	0.484	0.530
CP4916-61	0.165	0.233	0.330	0.404	0.466	0.521	0.571
CP4916-63	0.174	0.246	0.347	0.425	0.491	0.549	0.601
CP4916-65	0.185	0.261	0.369	0.452	0.522	0.584	0.639
CP4916-67	0.196	0.278	0.392	0.481	0.555	0.621	0.680
CP4916-68	0.203	0.287	0.405	0.496	0.573	0.641	0.702
CP4916-70	0.216	0.306	0.433	0.530	0.612	0.684	0.750
CP4916-72	0.226	0.320	0.453	0.554	0.640	0.716	0.784
CP4916-73	0.233	0.330	0.467	0.572	0.660	0.738	0.808
CP4916-75	0.245	0.347	0.491	0.601	0.694	0.776	0.850
CP4916-78	0.272	0.385	0.544	0.667	0.770	0.861	0.943
CP4916-80	0.280	0.397	0.561	0.687	0.793	0.887	0.971
CP4916-81	0.290	0.411	0.581	0.711	0.821	0.918	1.01
CP4916-83	0.317	0.449	0.634	0.777	0.897	1.00	1.10
CP4916-86	0.332	0.470	0.664	0.813	0.939	1.05	1.15
CP4916-89	0.346	0.490	0.693	0.849	0.980	1.10	1.20
CP4916-91	0.369	0.523	0.739	0.905	1.05	1.17	1.28
CP4916-93	0.387	0.547	0.774	0.947	1.09	1.22	1.34
CP4916-95	0.404	0.572	0.808	0.990	1.14	1.28	1.40

Orifice Size	GPM						
	5 PSI	10 PSI	20 PSI	30 PSI	40 PSI	50 PSI	60 PSI
CP4916-98	0.442	0.625	0.884	1.08	1.25	1.40	1.53
CP4916-103	0.461	0.653	0.923	1.13	1.31	1.46	1.60
CP4916-107	0.518	0.733	1.04	1.27	1.47	1.64	1.79
CP4916-110	0.548	0.775	1.10	1.34	1.55	1.73	1.90
CP4916-115	0.605	0.855	1.21	1.48	1.71	1.91	2.09
CP4916-120	0.629	0.890	1.26	1.54	1.78	1.99	2.18
CP4916-125	0.693	0.980	1.39	1.70	1.96	2.19	2.40
CP4916-128	0.721	1.02	1.44	1.77	2.04	2.28	2.50
CP4916-132	0.774	1.10	1.55	1.90	2.19	2.45	2.68
CP4916-136	0.840	1.19	1.68	2.06	2.38	2.66	2.91
CP4916-140	0.894	1.27	1.79	2.19	2.53	2.83	3.10
CP4916-144	0.926	1.31	1.85	2.27	2.62	2.93	3.21
CP4916-147	0.953	1.35	1.91	2.33	2.70	3.01	3.30
CP4916-151	1.04	1.47	2.08	2.55	2.94	3.29	3.60
CP4916-156	1.10	1.55	2.20	2.69	3.11	3.47	3.80
CP4916-161	1.15	1.63	2.31	2.83	3.27	3.65	4.00
CP4916-166	1.21	1.72	2.43	2.97	3.43	3.84	4.20
CP4916-170	1.30	1.84	2.61	3.19	3.69	4.12	4.51
CP4916-172	1.36	1.92	2.71	3.32	3.84	4.29	4.70
CP4916-177	1.41	2.00	2.83	3.46	4.00	4.47	4.90
CP4916-182	1.47	2.08	2.95	3.61	4.17	4.66	5.10
CP4916-187	1.56	2.21	3.12	3.82	4.41	4.93	5.40
CP4916-196	1.73	2.45	3.46	4.24	4.90	5.47	6.00
CP4916-205	1.88	2.65	3.75	4.59	5.31	5.93	6.50
CP4916-218	2.11	2.98	4.21	5.16	5.96	6.66	7.30
CP4916-234	2.45	3.47	4.91	6.01	6.94	7.76	8.50
CP4916-250	2.83	4.00	5.66	6.93	8.00	8.94	9.80

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).

Spraying Liquids with a Density Other Than Water

Since all the tabulations in this catalog are based on spraying water, which weighs 8.34 lbs. per USA gallon, conversion factors must be used when spraying liquids that are heavier or lighter than water. To determine the proper size nozzle for the liquid to be sprayed, first multiply the desired GPM or GPA of liquid 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:

$$\text{GPA (liquid other than water)} \times \text{Conversion Factor} = \text{GPA (from table in catalog)}$$

$$20 \text{ GPA (28\%)} \times 1.13 = 22.6 \text{ GPA (water)}$$

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 FACTOR
7.0 lbs./gal.	.84	.92
8.0 lbs./gal.	.96	.98
8.34 lbs./gal.	1.00 – WATER	1.00
9.0 lbs./gal.	1.08	1.04
10.0 lbs./gal.	1.20	1.10
10.65 lbs./gal.	1.28 – 28% nitrogen	1.13
11.0 lbs./gal.	1.32	1.15
12.0 lbs./gal.	1.44	1.20
14.0 lbs./gal.	1.68	1.30

EVA APPLICATOR TUBING



Part#	Inside Diameter	Roll Length
EVA38B	3/8	500
EVA38	3/8	500
EVA12	1/2	350
EVA12B	1/2	250

"B" INDICATES BLACK HOSE

BRAIDED EVA APPLICATOR TUBING



Part#	Inside Diameter	Roll Length
BEVA38	3/8	300
BEVA12	1/2	300
BEVA34	3/4	300
BEVA100	1	200

GRAIN VAC HOSE

Temperature Range: -40° to 220° (F)

Applications: General Ducting and Blower Applications

Construction: Polyurethane, Metal Wire Helix, Slightly Corrugated Exterior

MUCH MORE FLEXIBLE THAN OTHER GRAIN VAC HOSES!

Part#	Inside Diameter
HD-60-HMB-5IN	5
HD-60-HMB-6IN	6
HD-60-HMB-7IN	7
HD-60-HMB-8IN	8

Available in 12'-6", 25' or 50' lengths only

GRAIN DOWNSPOUT HOSE (620 WD)

Temperature Range: -40° to 220° (F)

Applications: General Ducting and Blower Applications

Construction: EPDM Rubber, Metal Wire Helix, Smooth Bore, Slightly Corrugated Exterior

Part#	Inside Diameter
6204	4
6205	5
6206	6
6207	7
6208	8

GRAIN VAC HOSE (180 BL)

Temperature Range: -40° to 140° (F)

Applications: Suction and light blowing of lightweight abrasives such as rockwool, fiberglass, sawdust, grain, insulation and cement dust

Construction: SBR Rubber blended with Static Carbon Black, Rigid PVC Helix, Smooth Bore, Corrugated Exterior

Part#	Inside Diameter
BL1803	3
BL1804	4
BL1805	5
BL1806	6
BL1807	7
BL1808	8

PACKED STEELFLEX HOSE (U-130)



Part#	Inside Diameter	Length (Ft.)
SFHP4	4	15
SFHP5	5	12
SFHP515	5	15
SFHP6	6	12
SFHP615	6	15
SFHP7	7	15
SFHP725	7	25

ALSO AVAILABLE IN UNPACKED 8' (U-120)

HEAVY DUTY SUCTION HOSE (150 PSI)



Part#	Inside Diameter
T-2032	2
T-2033	3

390SD



Roll: 100 Ft.

BEST LOADING HOSE!

Temperature Range: -40° to 140° (F)
Applications: High Pressure Suction & Discharge
Construction: EPDM Rubber, Polyethylene Helix, Synthetic Braiding, Smooth Bore, Corrugated Exterior

Part#	Inside Diameter	Working (PSI) @72° F
390SD114	1 ¼	100
390SD112	1 ½	100
390SD200	2	100
390SD300	3	90

BUMBLEBEE (300-EPDM)



Roll: 100 Ft.

ALSO AVAILABLE

Green - 2 1/2", 4" & 6"
 Yellow - 1"

Temperature Range: -40° to 140° (F)
Applications: Heavy Duty Liquid Suction Hose

Construction: EPDM Rubber, Polyethylene Helix, Smooth Bore, Corrugated Exterior

Part#	Inside Diameter	Working Pressure (PSI) @72° F
300S100	1	50
300S114	1 1/4	50
300S112	1 1/2	50
300S200	2	50
300S300	3	43

PVC SUCTION & AIR SEEDER (PVC-CL)



Roll: 100 Ft.

Temperature Range: -13° to 140° (F)
Applications: Heavy Duty Water/Fertilizer Suction Hose

Construction: Flexible PVC, Rigid PVC Helix, Smooth Bore, Smooth Exterior

Part#	Inside Diameter	Working Pressure (PSI) @72° F
PVCS34	3/4	86
PVCS100	1	86
PVCS100B*	1	86
PVCS114	1.25	79
PVCS112	1.5	72
PVCS200	2	72
PVCS212	2.5	72
PVCS212B*	2.5	72
PVCS300	3	62
PVCS400	4	55
PVCS500	5	33
PVCS600	6	33

*"B" INDICATES BLACK HOSE

PVC CLEAR VINYL TUBING (SIGHT GAUGE)



Roll: 100 Ft.

Part#	Inside Diameter	Wall Thickness
SGH14	1/4	3/32
SGH38	3/8	1/16
SGH12	1/2	1/8
SGH58	5/8	1/8
SGH34	3/4	1/8
SGH100	1	1/8

AG SPRAY HOSE



Roll: 300 Ft. (Available in 400 Ft. Rolls)
 PSI: 600

Part#	Inside Diameter
60038	3/8
60012	1/2

EPDM SPRAY HOSE



Roll: 100 Ft.
 PSI: 150 & 200

Part#	Inside Diameter
PSI:150	
EPDMSH38	3/8
PSI:200	
EPDMSH14	1/4
EPDMSH12	1/2
EPDMSH58	5/8
EPDMSH34	3/4
EPDMSH100	1
EPDMSH114	1 1/4
EPDMSH112	1 1/2
EPDMSH200	2

LAY FLAT DISCHARGE HOSE (SF10E)



Roll: 300 Ft.

Part#	Inside Diameter
PVCF112	1 1/2
PVCF200	2
PVCF212	2 1/2
PVCF300	3

HOSE CUTTERS



Part#	Description
CUTTERS M	Small Hose Cutter-Up to 1-1/8
CUTTER L G	Large Hose Cutter-Up to 1-7/8

CABLE TIES



Part#	Description
CABLETIE-.142X8.9	Bag of 100
CABLETIE-.14X11	
CABLETIE-.18X14.50	
CABLETIE-.30X9	
CABLETIE-.35X32	

THREAD SEALANT



Part#	Description
Teflon Tape	1/2 x 260"
RectortruBlu	8 oz
Rectorseal No. 21	8 oz

BAND CLAMPS



Part#	Min	Max
BC4	1/4	5/8
BC5	5/16	7/8
BC6	3/8	7/8
BC10	9/16	1 1/16
BC12	1/2	1 1/4
BC16	11/16	1 1/2
BC24	1	2
BC28	1 1/4	2 1/4
BC32	1 9/16	2 1/2
BC48	2 1/2	3 1/2
BC72	3	5

T-BOLT CLAMPS



Part#	Min	Max
TBC131	1.19	1.45
TBC150	1.36	1.50
TBC175	1.62	1.87
TBC200	1.87	2.12
TBC225	2.06	2.37
TBC238	2.19	2.50
TBC250	2.31	2.62
TBC300	2.78	3.09
TBC350	3.28	3.59
TBC375	3.53	3.84
TBC475	4.53	4.81

BANJO T-BOLT CLAMPS



Part#	Min	Max
TC120	1.20	1.34
TC162	1.62	1.87
TC181	1.81	2.06
TC193	1.93	2.18
TC218	2.18	2.50
TC231	2.31	2.62
TC250	2.50	2.81
TC287	2.87	3.18
TC331	3.31	3.62
TC343	3.43	3.75
TC425	4.25	4.56

PRESSURE SEAL CLAMPS

- 300 Stainless Steel Construction
- Spring compression of liner creates 360° pressure on hose



Part#	Min	Max
K36003-0016	1	1.5
K36003-0020	1.22	1.75
K36003-0024	1.38	2
K38215-0238	1.62	2.12
K38215-0288	2.12	2.62
K38215-0400	3.12	3.79

PUSH-PULL FITTINGS

- No Tools Needed, Easy to Install
- NSF Listed, FDA Approved Materials
- Fit Tubes from 5/32" to 1/2" OD
- Temp/Air -14 to 167F
- Liquid Temp 33F to 140F

How to make a connection

Cut the tube square



Cut the tube square and remove burrs and sharp edges. Ensure the outside diameter is free of score marks. For soft or thin walled tube we recommend the use of a tube insert.

Push up to tube stop



Push the tube into the fitting, to the tube stop.

Pull to check secure



Pull on the tube to check it is secure. Test the system before use.

To disconnect

Push in collet and remove tube



To disconnect, ensure the system is depressurized, push the collet square against the fitting. With the collet held in this position the tube can be removed.

UNION CONNECTORS



Part#	OD 1	OD 2
JGUC33	3/16	3/16
JGUC44	1/4	1/4
JGUC55	5/16	5/16
JGUC66	3/8	3/8
JGUC88	1/2	1/2
JGRUC54	5/16	1/4
JGRUC63	3/8	3/16
JGRUC64	3/8	1/4
JGRUC65	3/8	5/16
JGRUC86	1/2	3/8

MALE ELBOWS



Part#	MPT	OD
JGME24	1/8	1/4
JGME44	1/4	1/4
JGME64	3/8	1/4
JGME46	1/4	3/8
JGME66	3/8	3/8

FEMALE CONNECTORS



Part#	FPT	OD
JGFC44	1/4	1/4
JGFC46	1/4	3/8

POLYPROPYLENE TUBING



Part#	OD	ID
100 FT. ROLLS		
JGPT43	.250	.170
JGPT64	.375	.250
JGPT86	.500	.375

Part#	OD	ID
500 FT. ROLLS		
JGPT43500RB	.250	.170
JGPT43500R	.250	.170
JGPT64500RB	.375	.250

"B" INDICATES BLACK HOSE

MALE CONNECTORS



Part#	MPT	OD
JGMC23	1/8	3/16
JGMC24	1/8	1/4
JGMC44	1/4	1/4
JGMC64	3/8	1/4
JGMC46	1/4	3/8
JGMC66	3/8	3/8
JGMC86	1/2	3/8
JGMC68	3/8	1/2
JGMC88	1/2	1/2

UNION TEE CONNECTORS



Part#	OD	ID
JGUTC444	1/4	1/4
JGUTC666	3/8	3/8
JGUTC888	1/2	1/2
JGUTC466	3/8	1/4

STEM ELBOW CONNECTORS



Part#	STEM	OD
JGTEC44	1/4	1/4
JGTEC64	3/8	1/4
JGTEC66	3/8	3/8
JGTEC88	1/2	1/2

CROSS CONNECTORS



Part#	OD
JGCR6	3/8

PUSH PULL CHECK VALVES



Part#	OD
CV-1103-P14	1/4
CV-1103-P38	3/8

MPT X HOSE BARB ELBOW



Part#		MPT	Barb
SCHEDULE 40	SCHEDULE 80		
HBE1814		1/8	1/4
HBE1838		1/8	3/8
	BHBE14	1/4	1/4
HBE1438	BHBE1438	1/4	3/8
HBE1412	BHBE1412	1/4	1/2
HBE38	BHBE38	3/8	3/8
HBE3814		3/8	1/4
HBE3812		3/8	1/2
HBE3858		3/8	5/8
HBE1214		1/2	1/4
HBE1238	BHBE1238	1/2	3/8
HBE12	BHBE12	1/2	1/2
HBE1258		1/2	5/8
	BHBE1234	1/2	3/4
HBE12100		1/2	1
HBE3438		3/4	3/8
	BHBE3412	3/4	1/2
HBE3458		3/4	5/8
	BHBE34	3/4	3/4
	BHBE34100	3/4	1
HBE10012		1	1/2
	BHBE10034	1	3/4
	BHBE100		
HBE11434		1 1/4	3/4
	BHBE114100	1 1/4	1
	BHBE114	1 1/4	1 1/4
	BHBE114112	1 1/4	1 1/2
	BHBE112114	1 1/2	1 1/4
	BHBE112	1 1/2	1 1/2
	BHBE200	2	2
	BHBE200112	2	1 1/2
	BHBE300	3	3

MPT X HOSE BARB



Part#		MPT	Barb
SCHEDULE 40	SCHEDULE 80		
HB1814		1/8	1/4
HB1838		1/8	3/8
	BHB14	1/4	1/4
	BHB1438	1/4	3/8
	BHB1412	1/4	1/2
HB38	BHB38	3/8	3/8
HB3814		3/8	1/4
HB3812	BHB3812	3/8	1/2
HB3858		3/8	5/8
	BHB1214	1/2	1/4
HB1238	BHB1238	1/2	3/8
HB12	BHB12	1/2	1/2
HB1258		1/2	5/8
	BHB1234	1/2	3/4
HB12100		1/2	1
HB3414		3/4	1/4
HB3438	BHB3438	3/4	3/8
	BHB3412	3/4	1/2
	BHB3458	3/4	5/8
	BHB34	3/4	3/4
	BHB34100	3/4	1
	BHB10034	1	3/4
	BHB100	1	1
	BHB100114	1	1 1/4
	BHB11434	1 1/4	3/4
	BHB114100	1 1/4	1
	BHB114	1 1/4	1 1/4
	BHB114112	1 1/4	1 1/2
	BHB112100	1 1/2	1
	BHB112114	1 1/2	1 1/4
	BHB112	1 1/2	1 1/2
	BHB112200	1 1/2	2
	BHB200112	2	1 1/2
	BHB200	2	2
	BHB300	3	3

HOSE BARB TEE



Part#		Center Barbs	End Barbs
SCHEDULE 40	SCHEDULE 80		
	BHBT14	1/4	1/4
HBT143838		1/4	3/8
	BHBT38	1/2	3/8
HBT123838		1/2	1/2
HBT12	BHBT12	5/8	5/8
HBT58		3/4	3/4
	BHBT34	1	1
	BHBT100	1 1/4	1 1/4
HBT114		1 1/2	1 1/2
HBT112		2	2
	BHBT200	3	3
	BHBT300		

MPT X HOSE BARB TEE



Part#	MPT	Barbs
SCHEDULE 40		
MPT14	1/4	1/4
MPT1438	1/4	3/8
MPT1412	1/4	1/2
MPT38	3/8	3/8
MPT3812	3/8	1/2
MPT1238	1/2	3/8
MPT12	1/2	1/2
MPT34	3/4	3/4

REDUCER BUSHING



Part#		MPT	FPT
SCHEDULE 40	SCHEDULE 80		
RB1418		1/4	1/8
RB3818		3/8	1/8
RB3814	BRB3814	3/8	1/4
	BRB1214	1/2	1/4
RB1238	BRB1238	1/2	3/8
	BRB3414	3/4	1/4
RB3412	BRB3412	3/4	1/2
	BRB10012	1	1/2
	BRB10034	1	3/4
	BRB11434	1 1/4	3/4
	BRB114100	1 1/4	1
	BRB11234	1 1/2	3/4
	BRB112100	1 1/2	1
	BRB112114	1 1/2	1 1/4
	BRB20034	2	3/4
	BRB200100	2	1
	BRB200114	2	1 1/4
	BRB200112	2	1 1/2
	BRB300200	3	2
	BRB400300	4	3



PIPE PLUG

Part#		MPT
SCHEDULE 40	SCHEDULE 80	
PP18		1/8
PP14	BPP14	1/4
PP38		3/8
PP12	BPP12	1/2
PP34	BPP34	3/4
	BPP100	1
RB3412	BPP114	1 1/4
	BPP112	1 1/2
	BPP200	2
	BPP300	3



PIPE CAP

Part#	FPT
SCHEDULE 80	
BCAP12	1/2
BCAP34	3/4
BCAP100	1
BCAP114	1 1/4
BCAP112	1 1/2
BCAP200	2
BCAP300	3

CLOSE NIPPLE



Part#		MPT	Length
SCHEDULE 40	SCHEDULE 80		
CN18		1/8	CLOSE
	BCN14	1/4	CLOSE
	BCN38	3/8	CLOSE
CN12	BCN12	1/2	CLOSE
	BCN123	1/2	3
CN34	BCN34	3/4	CLOSE
	BCN344	3/4	4
	BCN346	3/4	6
	BCN100	1	CLOSE
	BCN1004	1	4
	BCN1006	1	6
CN114	BCN114	1 1/4	CLOSE
	BCN1144	1 1/4	4
	BCN1146	1 1/4	6
	BCN112	1 1/2	CLOSE
	BCN1124	1 1/2	4
	BCN1126	1 1/2	6
	BCN200	2	CLOSE
	BCN2004	2	4
	BCN2006	2	6
	BCN300	3	CLOSE
	BCN3004	3	4
	BCN3006	3	6

LOOKING FOR
BULKHEAD
FITTINGS?
SEE PAGE 32



REDUCER NIPPLE



Part#		MPT 1	MPT 2
SCHEDULE 40	SCHEDULE 80		
RPN1418		1/4	1/8
RPN3818		3/8	1/8
RPN3814	BRB3814	3/8	1/4
RPN1214	BRB1214	1/2	1/4
RPN1238	BRPN1238	1/2	3/8
RPN3438		3/4	3/8
	BRPN3412	3/4	1/2
	BRPN10034	1	3/4
	BRPN114100	1 1/4	1
	BRPN112100	1 1/2	1
	BRPN112114	1 1/2	1 1/4
	BRPN200114	2	1 1/4
	BRPN200112	2	1 1/2
	BRPN300200	3	2
	BRB300200	3	2

HOSE MENDER



Part#		Barb 1	Barb 2
SCHEDULE 40	SCHEDULE 80		
	BHM14	1/4	1/4
HM3814		3/8	1/4
	BHM38	3/8	3/8
HM1238		1/2	3/8
	BHM12	1/2	1/2
HM1258		1/2	5/8
HM58		5/8	5/8
	BHM34	3/4	3/4
	BHM100	1	1
	BHM114	1 1/4	1 1/4
	BHM112	1 1/2	1 1/2
	BHM200	2	2
	BHM300	3	3

HOSE MENDER ELBOW



Part#	Barb 1	Barb 2
SCHEDULE 40		
HME14	1/4	1/4
HME38	3/8	3/8
HME1214	1/2	1/4
HME1238	1/2	3/8
HME12	1/2	1/2
HME58	5/8	5/8
HME34	3/4	3/4
HME100	1	1
HME114	1 1/4	1 1/4
HME112	1 1/2	1 1/2
HME200	2	2

FPT X HOSE BARB



Part#		FPT	Barb
SCHEDULE 40	SCHEDULE 80		
FHB14		1/4	1/4
FHB1438		1/4	3/8
FHB12		1/2	1/2
FHB34	BFHB34	3/4	3/4
FHB1214		1/2	1/4
FHB1412		1/4	1/2
FHB1238		1/2	1/4
	BFHB100	1	1

FPT X HOSE BARB ELBOW



Part#	FPT	Barb
SCHEDULE 40		
FHBE12	1/2	1/2
FHBE14	1/4	1/4
FHBE38	3/8	3/8
FHBE3812	3/8	1/2
FHBE3412	3/4	1/2
FHBE3458	3/4	5/8
FHBE34	3/4	3/4

PIPE COUPLING



Part#		FPT
SCHEDULE 40	SCHEDULE 80	
PCP18		1/8
	BPCP14	1/4
	BPCP38	3/8
	BPCP12	1/2
	BPCP34	3/4
	BPCP100	1
	BPCP114	1 1/4
	BPCP112	1 1/2
	BPCP200	2
	BPCP300	3

STREET ELBOW



Some Sizes Also Available in 45°

Part#	MPT/FPT
SCHEDULE 80	
BSE14	1/4
BSE38	3/8
BSE12	1/2
BSE34	3/4
BSE100	1
BSE114	1 1/4
BSE112	1 1/2
BSE200	2
BSE300	3

REDUCER PIPE COUPLING



Part#		FPT 1	FPT 2
SCHEDULE 40	SCHEDULE 80		
RPC3814		3/8	1/4
RPC1238		1/2	3/8
RPC3412		3/4	1/2
	BRPC10034	1	3/4
	BRPC112100	1 1/2	1
	BRPC112114	1 1/2	1 1/4
	BRPC200100	2	1
	BRPC200114	2	1 1/4
	BRPC200112	2	1 1/2
	BRPC300200	2	2

PIPE ELBOW



Some Sizes Also Available in 45°

Part#	FPT
SCHEDULE 80	
BPE14	1/4
BPE38	3/8
BPE12	1/2
BPE34	3/4
BPE100	1
BPE114	1 1/4
BPE112	1 1/2
BPE200	2
BPE300	3

PIPE TEE



Part#	FPT
SCHEDULE 80	
BPT14	1/4
BPT38	3/8
BPT12	1/2
BPT34	3/4
BPT100	1
BPT114	1 1/4
BPT112	1 1/2
BPT200	2
BPT300	3

FEMALE CROSS



Part#	FPT
SCHEDULE 80	
BCR34	3/4
BCR100	1
BCR114	1 1/4
BCR112	1 1/2
BCR200	2

GARDEN HOSE X HOSE BARB



Part#	MGHT	Barb
SCHEDULE 40		
GH3438	3/4	3/8
GH3412	3/4	1/2
GH34	3/4	3/4
GHW (WASHER)		

AGITATOR



Part#	FPT
SCHEDULE 40	
T10-VH-PP	Agitator

GAUGE TEE



(Gauge Not Included)

Part#	FPT	Port
SCHEDULE 40		
SCHEDULE 80		
GT1214	1/2	1/4
GT3418	3/4	1/8
GT3414	3/4	1/4
GT10014	1	1/4
	BGT3414	1/4
		1/2

PRESSURE GAUGES



GG100 Shown

All Listed Gauges Have 1/4" MPT Connector

Part#	Description
SG60	2 1/2" Gauge
SG100	2 1/2" Gauge
SG604	4" Gauge
SG1004	4" Gauge
GG60	2 1/2" Gauge
GG100	2 1/2" Gauge
GG1604	4" Gauge
GG1004	4" Gauge
ASG60	2 1/2" NH3 Gauge
ASG160	2 1/2" NH3 Gauge
ASG400	2 1/2" NH3 Gauge
ASG604	4" NH3 Gauge
ASG1604	4" NH3 Gauge
ASG4004	4" NH3 Gauge
ABS60C	2 1/2" Back Mount
ABS100C	2 1/2" Back Mount

BANJO GARDEN HOSE FITTINGS

- Quick and Simple Garden Hose Connection
- Easily Connects Hose to Spigot, Sprinkler, Nozzle or Other Hose End Accessories
- Durable, Rustproof Fiberglass Reinforced Polypropylene
- Eliminates the need for Pliers
- Standard 3/4" Diameter



GHMT075B

GHFT075D

GHFT075A

GHMT075F

GHMT075FPT

GHFT075MPT

Part#	Description
SCHEDULE 80	
GHFT075A	3/4 Adapter x 3/4 Female Thread
GHMT075B	3/4 Coupler x 3/4 Male Thread
GHFT075D	3/4 Coupler x 3/4 Female Thread
GHMT075F	3/4 Adapter x 3/4 Male Thread
GHFT075MPT	3/4 Male MPT x 3/4 Female Thread
GHMT075FPT	3/4 Female MPT x 3/4 Male Thread

CAM LEVER COUPLINGS

- Stainless steel rings, arms & pins.
- Versatile - interchangeable with all types of cam lever couplers.
- Precision molded -insures a uniform and accurate fit.
- Durable - Polypropylene is glass filled for strength and durability.
- Smooth operating- finger rings for easy opening of cam levers.
- Operating conditions:
3/8" thru 2" - 100 P.S.I. at 0°F; 125 P.S.I. at 70°F; 70 P.S.I. at 150°F
2½",3" & 4" Cap-50 P.S.I.; Couplings 75 P.S.I. max.
- Economical & superior in performance.
- Standard Fittings have EPDM gaskets. Buna "N", & FKM (viton type)

Part#	Size
-------	------



A

A	
075A1/2	1/2
075A3/4	3/4
100A	1
125A	1 1/4
150A	1 1/2
200A	2
300A	3



A-90

A-90	
150A90	1 1/2
200A90	2



B

B	
075B1/2	1/2
075B3/4	3/4
100B	1
125B	1 1/4
150B	1 1/2
201B	2
300B	3



C

C	
050C	1/2
075C	3/4
100C	1
125C	1 1/4
150C	1 1/2
200C	2
300C	3



C-90

C-90	
150C90	1 1/2
200C90	2



200PLH

SAFETY BUMP PLUGS	
200PLH	2
300PLH	3



D

Part#	Size
D	
050D	1/2
075D	3/4
100D	1
125D	1 1/4
150D	1 1/2
200D	2
300D	3



D-90

D-90	
150D90	1 1/2
200D90	2



E

E	
050E	1/2
075E	3/4
100E	1
125E	1 1/4
150E	1 1/2
200E	2
300E	3



F

F	
050F	1/2
075F	3/4
100F	1
125F	1 1/4
150F	1 1/2
200F	2
300F	3



F-90

F-90	
150F90	1 1/2
200F90	2



PLUG

PLUGS	
075PLUG	3/4
100125PLUG	1
150PLUG	1 1/2
200PLUG	2
300PLUG	3



CAP

CAPS	
075CAP	3/4
100125CAP	1
150CAP	1 1/2
200CAP	2
300CAP	3

3-ARM / ADAPTER CAM LEVER COUPLINGS FITTINGS



Part#	Description
2-ARM CAM LEVER FITTINGS	

M220D 2" Female Coupler - 2" Full-Port Flange

Part#	Description
3-ARM CAM LEVER FITTINGS	

303B 3" Female Coupler - 3" Extended Male Thread

303C 3" Female Coupler - 3" Hose Barb

M303D 3" Female Coupler - 3" Full-Port Flange

Part#	Description
ADAPTER FITTINGS	

303B200A 3" Female Coupler - 2" Male Adapter

200FF 2" Male Adapter - 2" Male Adapter

300F200F 3" Male Adapter - 2" Male Adapter

300FF 3" Male Adapter - 3" Male Adapter

MANIFOLD SWEEPS



Part #	Description
2"	

M220SWP90 2" Flange x Flange Sweep

M220ASWP90 2" Full Port Flange x Male Adapter Sweep

M220MPTSWP90 2" Full Port Flange x Male NPT Thread Sweep

200FSWP90 2" Male Adapter X 2" Male NPT Sweep Elbow

Part #	Description
3"	

M300SWP90 3" Flange x Flange Sweep

M300ASWP90 3" Flange x Male Adapter Sweep

M300SWPG90 3" Flange x Flange Sweep with 1/4" Gauge Port

300FSWP90 3" Male Adapter X 3" Male NPT Sweep Elbow

MANIFOLD FITTINGS

- 1" & 2" fittings pressure-150 PSI(70°F)
- 3" fittings pressure-125 PSI(70°F)
- Positive seals
- Quick and easy assembly
- Easy On/Off hose connections
- 360° Orientation

FLANGED COUPLINGS



Part#	Description
M100CPG	1" x 1" Flange
M200CPG	2" x 2" SP Flange
M220CPG	2" x 2" FP Flange
M300CPG	3" x 3" FP Flange

90° FLANGED COUPLINGS



Part#	Description
M100CPG90	1" x 1" Flange 90°
M200CPG90	2" x 2" SP Flange 90°
M200CPG90SH	2" x 2" FP Flange 90° Short
M220CPG90	2" x 2" FP Flange 90°
M300CPG90	3" x 3" Flange 90°

45° FLANGED COUPLINGS



Part#	Description
M100CPG45	1" Flange x 45°
M220CPG45	2" FP Flange x 45°
M300CPG45	3" Flange x 45°

FLANGED REDUCER COUPLINGS



Part#	Description
M200100CPG	2"SPx1" Reducer Flange
M220100CPG	2"FPx1" Reducer Flange
M220200CPG	2"FPx2"SP Reducer Flange
M300200CPG	3"x2"SP Reducer Flange
M300220CPG	3"x2"FP Reducer Flange

FLANGE X FEMALE NPT



Part#	Description
M100050FPT	1" Flange x 1/2" Pipe Thread
M100075FPT	1" Flange x 3/4" Pipe Thread
M100FPT	1" Flange x 1" Pipe Thread
M200FPT	2" SP Flange x 2" Pipe Thread
M220FPT	2" FP Flange x 2" Pipe Thread
M300FPT	3" Flange x 3" Pipe Thread

FLANGE X MALE NPT



Part#	Description
M100075MPT	1" Flange x 3/4" Male Thread
M100MPT	1" Flange x 1" Male Thread
M100125MPT	1" Flange x 1 1/4" Male Thread
M200125MPT	2" SP Flange x 1 1/4" Male Thread
M200150MPT	2" SP Flange x 1 1/2" Male Thread
M200MPT	2" SP Flange x 2" Male Thread
M220MPT	2" FP Flange x 2" Male Thread
M300MPT	3" Flange x 3" Male Thread

STAINLESS STEEL FLANGE X MALE NPT



Part#	Description
M220150MPTSS	2" FP Flange x 1-1/2" Male Thread 316 SS
M220MPTSS	2" FP Flange x 2" Male Thread 316 SS
M300220MPTSS	3" Flange x 2" FP Male Thread 316 SS

FLANGED X HOSE BARB TEE



Part#	Description
M100100HBT	1" Flange x 1" Hose Barb Tee
M100125HBT	1" Flange x 1 1/4" Hose Barb Tee
M220200HBT	2" Full Port Flange x 2" Hose Barb Tee
M300300HBT	3" Flange x 3" Hose Barb Tee



FLANGED TEE

Part#	Description
M100TEE	1" Flanged Tee
M101TEE	1" Flanged Tee — Long
M200100TEE	2" SP x 1" Flanged Tee
M200TEE	2" SP Flanged Tee
M220100TEE	2" FP Flanged Tee x 1" Flanged Tee
M220TEE	2" FP Flanged Tee
M300TEE	3" Flanged Tee



FLANGE X HOSE BARB

Part#	Description	Price	l
M100075BRB	1" Flange x 3/4" Hose Barb	\$1.59	
M100BRB	1" Flange x 1" Hose Barb	\$1.59	
M100125BRB	1" Flange x 1 1/4" Hose Barb	\$1.59	
M200100BRB	2" Flange x 1" Hose Barb	\$3.87	
M200125BRB	2" Flange x 1 1/4" Hose Barb	\$4.00	
M200150BRB	2" Flange x 1 1/2" Hose Barb	\$3.53	
M200BRB	2" Flange x 2" Hose Barb	\$3.87	
M220150BRB	2" FP Flange x 1 1/2" Hose Barb	\$3.87	
M220BRB	2 FP Flange x 2" Hose Barb	\$3.53	
M300220BRB	3" Flange x 2" Hose Barb	\$11.89	
M300BRB	3" Flange x 3" Hose Barb	\$10.75	



FLANGE X 90° HOSE BARB ELBOW

Part#	Description	Price	l
M100075BRB90	1" Flange x 3/4" 90° Barb	\$1.91	
M100BRB90	1" Flange x 1" 90° Barb	\$1.91	
M100125BRB90	1" Flange x 1 1/4" 90° Barb	\$1.91	
M200100BRB90	2" SP Flange x 1" 90° Barb	\$7.15	
M200125BRB90	2" SP Flange x 1 1/4" 90° Barb	\$7.15	
M200150BRB90	2" SP Flange x 1 1/2" 90° Barb	\$6.50	
M200BRB90	2" SP Flange x 2" 90° Barb	\$7.15	
M220150BRB90	2" FP Flange x 1 1/2" 90° Barb	\$7.15	
M220BRB90	2" FP Flange x 2" 90° Barb	\$7.15	
M300220BRB90	3" Flange x 2" 90° Barb	\$11.81	
M300BRB90	3" Flange x 3" 90° Barb	\$28.73	



FLANGE X MALE ADAPTER

Part#	Description
M100A	1" Flange x 1" Male Adapter
M200A	2" Flange x 2" Male Adapter
M220A	2" FP Flange x 2" Male Adapter
M300A	3" FP Flange x 3" Male Adapter



FLANGED CROSS

Part#	Description
M100CR	1" Flanged Cross
M200CR	2" SP Flanged Cross
M220CR	2" FP Flanged Cross
M300CR	3" Flanged Cross



FLANGE X 45° Y FLANGE

Part#	Description
M220Y45	2" FP X 2" FP X 2" FP Y Flange 45°
M220YG45	2" FP X 2" FP X 2" FP Y Flange 45° (3/4" Gauge Port)
M300Y45	3" X 3" X 3" Y Flange 45°
M300YG45	3" X 3" X 3" Y Flange 45° (3/4" Gauge Port)



FLANGE X 45° HOSE BARB ELBOW

Part#	Description
M100BRB45	1" Flange x 1" 45° Hose Barb Elbow
M200BRB45	2" Flange x 2" 45° Hose Barb Elbow
M220BRB45	2" Full Port Flange x 2" 45° Hose Barb Elbow
M300BRB45	3" Flange x 3" 45° Hose Barb Elbow

MANIFOLD FITTINGS / ACCESSORIES



Flange Plug
(Solid)



Flange Plug
(With FPT Gauge
Port)



Flange Clamps &
Gaskets



FC220B



FC300TB

Part#	Description
M100PLG	1" Flange Plug
M200PLG	2" SP Flange Plug
M220PLG	2" FP Flange Plug
M300PLG	3" Flange Plug
M100PLG025	1" Flange Plug with 1/4" FPT
M200PLG025	2" SP Flange Plug with 1/4" FPT
M200PLG038	2" SP Flange Plug with 3/8" FPT
M200PLG050	2" SP Flange Plug with 1/2" FPT
M200PLG075	2" SP Flange Plug with 3/4" FPT
M200PLG100	2" SP Flange Plug with 1" FPT
M220PLG075	2" FP Flange Plug with 3/4" FPT
M300PLG075	3" SP Flange Plug with 3/4" FPT
M300PLG100	3" SP Flange Plug with 1" FPT
FC100	100 Series Worm Screw Clamp
FC200	200 Series SP Worm Screw Clamp
FC220	220 Series FP Worm Screw Clamp
FC300	300 Series Worm Screw Clamp
FC220B	2" Full Port Bolted Flange Clamp
FC300B	3" Bolted Flange Clamp
FC220TB	2" Full Port Hi-Torque T-Bolt Flange Clamp
FC300TB	3" Full Port Hi-Torque T-Bolt Flange Clamp
075G	3/4" EPDM Gasket
100G	1" EPDM Gasket
150G	200 Series SP EPDM Gasket
200G	220 Series FP EPDM Gasket
300G	300 Series EPDM Gasket
150GXT	1 1/2" Extra Thick EPDM Gasket
200GXT	2" Extra Thick EPDM Gasket
300GXT	3" Extra Thick EPDM Gasket
M101G	100 Series EPDM Manifold Gasket with Rib
M201G	2" EPDM Manifold Gasket with Rib
M221G	2" Full Port EPDM Manifold Gasket with Rib
M301G	300 Series EPDM Manifold Gasket with Rib

THREADED CHECK VALVES



Part#	Description
BCV100MT	1" Male x Female NPT
BCV100	1" Check Valve
BCV221	2" True Full Port Female NPT Check Valve
BCV301	3" Full Port Check Valve

FLANGED CHECK VALVES



Part#	Description
MCV100	1" Flanged Poly Check Valve
MCV200	2" Flanged Poly Check Valve
MCV221	2" FP Flanged Poly Check Valve
MCV301	3" FP Flanged Poly Check Valve

BALL VALVES



Part#	Size	Port
V050	1/2"	3/4"
V075	3/4"	3/4"
V100	1"	3/4"
V100FP	1"	1"
V125	1 1/4"	1"
V125FP	1 1/4"	1 1/4"
V150FP	1 1/2"	1 1/2"
V200	2"	1 1/2"
V204FP4	2"	2"
V200FP	2"	2"
V300	3"	2 1/2"
V300FP	3"	3"

VALVE MOUNT BRACKET



Part#	Description
V25270	Valve Mounting Bracket For V125fp, V150, V200, V200fp, V300, & V300fp
V25271	90 Degree Valve Mounting Bracket, Fits V125fp, V150, V200, V200fp, V300, & V300fp
V25272	Valve Lift Handle - Bolted Valves, 316 Ss (Fits most 2" & 3" valves)

MANIFOLD BALL VALVES



Part#	Description	Max PSI	Pipe Size	Port
MV100CF	1x1 Flange Ball Valve	150	1"	1"
MSUV100FP	1x1 Single Union FP Ball Valve	100	1"	1"
MV200CF	2x2 Flange Ball Valve	150	2"	1 1/2"
MV220CF	2x2 FP Flange Ball Valve	150	2"	2"
MV300	3x3 SP Ball Valve	100	3"	2 1/2"
MV300CF	3x3 FP Ball Valve	100	3"	3"

STUBBY ADAPTER BALL VALVES



Part#	Size	Port
VSMT200	2" FPT x 2" MPT	1 1/2"
VSFMT200	2" MPT x 2" Male Adapter	1 1/2"
VS204FP	2" Female NPT x 2" Female NPT	2"
VSFMT204FP	2" Male Adapter x 2" Male NPT	2"
VSFMT300FP	3" FP Male NPT x 3" Male Adapter	3"

STUBBY VALVES



Part#	Size
VSHBD204FP	2" Hose Barb X 2" Female Coupler - Full Port Valve
VSHBD300FP	3" Hose Barb X 3" Female Coupler - Full Port Valve

STUBBY MANIFOLD VALVES

- Stainless steel bolts
- Glass filled polypropylene
- Multiple design options
- Unique patented compact design
- Lightweight

MAX OPERATING PRESSURE

- 100 PSI @ 70°F
- 75 PSI @ 150°F



Part#	Description	Max PSI	Pipe Size	Port
MVS220FP	2" FP Flange x 2" Female NPT	100	2"	2"
MVSF220FP	2" FP Flange x 2" Male Adapt	100	2"	2"
MVSMT220FP	2" FP Flange x 2" Male NPT	100	2"	2"
MVS220CF	2" FP Flange x 2" FP Flange	100	2"	2"
MVSF300	3" Flange x 3" Male Adapter	100	3"	2 1/2"
MVSF300FP	3" Flange x 3" Male Adapter	100	3"	3"
MVSMT300	3" Flange x 3" Male NPT	100	3"	2 1/2"
MVS300CFFP	3" Flange x 3" Flange	100	3"	3"
MVSHB220FP	2" Fp Flange X 2" Hose Barb Stubby Valve	100	2"	2"
MVSHB300FP	3" Fp Flange X 3" Hose Barb Valve	100	3"	3"

POLY VALVES WITH SS

- Stainless steel ball, handle and stem
- **Locking Handle**
- 100 PSI
- PTFE ball seats
- Glass-filled polypropylene
- FKM (viton type) body seals
- Stainless steel bolts
- Easy to see handle position

RECOMMENDED FOR FERTILIZER STORAGE



MVS300HSFP



MVSF300HSFP

Part#	Size	Port
VSFMT204HSFP	2" FP Male NPT x 2" Male Adapter with SS Ball, Stem and Handle	2"
MVS220HSFP	2" FP Flange x 2" FP Flange with SS Ball, Stem and Handle	2"
MVSF220HSFP	2" FP Flange x 2" Male Adapter with SS Ball, Stem and Handle	2"
VSFMT300HSFP	3" FP Male NPT x 3" Male Adapter with SS Ball, Stem and Handle	3"
MVS300HSFP	3" FP Flange x 3" FP Flange with SS Ball, Stem and Handle	3"
MVSF300HSFP	3" FP Flange x 3" Male Adapter with SS Ball, Stem and Handle	3"
MVSMT300HSFP	3" FP Male NPT x 3" Male Flange with SS Ball, Stem and Handle	3"

3-WAY MANIFOLD VALVES

- Stainless steel bolts.
- Precision molded in polypropylene - reinforced with fiberglass for added strength.
- Self-aligning ball moves freely against the PTFE 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.
- PTFE self-lubricating stem bushings and seats cannot stick or bind.
- FKM (viton type) seals.



MV100SL



MV100BL

	Part#	Description	Max PSI	Pipe Size	Port
Side	MV100SL	1" Flanges	100	1"	1"
	MV200SL	2" Std Port Flanges	100	2"	1 1/2"
	MV220SL	2" Full Port Flanges	100	2"	2"
Bottom	MV100BL	1" Flanges	100	1"	1"
	MV200BL	2" Std Port Flanges	100	2"	1 1/2"
	MV220BL	2" Full Port Flanges	100	2"	2"

3-WAY THREADED VALVES



BOTTOM LOAD

Part#	Size	Port
V075BBL	3/4"	1"
V100BL	1"	1"
V125BL	1 1/4"	1 1/2"
V150BL	1 1/2"	1 1/2"
V200BL	2"	2"



SIDE LOAD

3-WAY THREADED VALVES

Part#	Size	Port
V075SL	3/4"	1"
V100SL	1"	1"
V125SL	1 1/4"	1 1/2"
V150SL	1 1/2"	1 1/2"
V200SL	2"	2"

ANGLE HOSE END VALVES



Part#	Size	Port
VA150	1 1/2"	1 1/2"
VA200	2"	1 1/2"
VA200FP	2"	2"

DRY-DISCONNECT VALVES

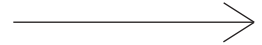


Part#	Size
DM150A	1 1/2" Male Dry-Mate
DM150D	1 1/2" Female Dry-Mate
DM200A	2" Male Dry-Mate
DM200D	2" Female Dry-Mate

MICRO VALVES

- Precision molded polypropylene
- Reinforced with fiberglass for additional strength
- 90° Rotating Handle.
- Standard FKM (viton type) seats and O-rings.
- Maximum operating pressure 150 P.S.I.

**ELECTRIC VALVES
ALSO AVAILABLE**
SEE PAGE 96



LV050V



LV050100MTV



LVHB050V



LVHB038050MTV



LV050100MTLV
(Locking Handle)

Part#	Size	Max PSI	Port
LV025V	1/4" Female NPT Micro Valve	150	3/8"
LV038V	3/8" Female NPT Micro Valve	150	3/8"
LV050V	1/2" Female NPT Micro Valve	150	15/32"
LV025MTV	1/4" Female x Male NPT	150	3/8"
LV038MTV	3/8" Female x Male NPT	150	3/8"
LV038050MTV	3/8" Female x 1/2" Male NPT	150	3/8"
LV050MTV	1/2" Female x Male NPT	150	15/32"
LV050100MTV	1/2" Female x 1" Male NPT	150	15/32"
LVPL025V	1/4" Female Push Lock Micro Valve	150	3/8"
LVPL038V	3/8" X 3/8" Push Lock Micro Valve	150	3/8"
LVHB025V	1/4" Hose Barb Micro Valve	150	3/8"
LVHB038V	3/8" Hose Barb Micro Valve	150	3/8"
LVHB050V	1/2" Hose Barb Micro Valve	150	15/32"
LVHB075V	3/4" Hose Barb Micro Valve	150	15/32"
LVHB038050MTV	3/8" Hose Barb x 1/2" Male NPT	150	3/8"
LVHB075100MTV	3/4" Hose Barb x 1" Male NPT	150	15/32"
LV038050MTLV	3/8" Female NPT x 1/2 Male NPT Micro-Valve Lock Handle	150	3/8"
LV050100MTLV	1/2" Female NPT x 1" Male NPT Micro-Valve Lock Handle	150	1/2"

SINGLE UNION VALVES



SUVA050FP



UVA100FP



171N-3/4



CBV44

Part#	Size	Port
SUV050FP	1/2"	1/2"
SUV075FP	3/4"	3/4"
SUV100FP	1"	1"
SUV125FP	1 1/4"	1 1/4"
SUV150FP	1 1/2"	1 1/2"
SUV200FP	2"	2"
UVA100FP	1" FPT	1"

BRASS BALL VALVES

Part#	FPT
CBV22	1/8"
CBV44	1/4"
CBV66	3/8"
CBV88	1/2"
171N34	3/4"
171N100	1"

FIRE HOSE NOZZLES



Part#	Size
FN34	3/4" FPT
FN34GHT	3/4" GHT
FN100	1" FPT
FN112	1 1/2" FPT
FN200	2" FPT
FN112BR	1 1/2" FPT Brass
FN200BR	2" FPT Brass

CHECK VALVES



Part#	Size
CV34	3/4"
CV-1103-B12	1/2"
CV-1103-B38	3/8"

SAFETY CAMLOCKS

- Spring locking pins keep arms in place
- Reduces possibility of unintentional opening
- No more zip ties to keep cam arms shut



CAP



C



B



D

Part#	Description
SAF100CAP	1" & 1-1/4" Camlock Cap with Safety Lock Pins
SAF100C	1" Female Coupler - 1" Hose Shank with Safety Lock Pins
SAF100B	1" Female Coupler - 1" Male Thread with Safety Lock Pins
SAF100D	1" Female Coupler X 1" Female Thread with Safety Lock Pins
SAF200CAP	2" Cap For Male Adapter with Safety Lock Pins
SAF200C	2" Female Coupler - 2" Hose Shank with Safety Lock Pins
SAF200B	2" Female Coupler - 2" Extended Male Thread with Safety Lock Pins
SAF200D	2" Female Coupler - 2" Female Thread with Safety Lock Pins
SAF300CAP	3" Camlock Cap with Safety Lock Pins
SAF300C	3" Female Coupler - 3" Hose Shank with Safety Lock Pins
SAF300B	3" Female Coupler - 3" Male Thread with Safety Lock Pins
SAF300D	3" Female Coupler - 3" Female Thread with Safety Lock Pins

STAINLESS STEEL FITTINGS

CLOSE NIPPLE

Part#	Description
CNSS12	1/2" MPT X 1/2" MPT X 1-1/2" SS Close Nipple
CNSS34138	3/4" MPT X 3/4" MPT X 1-3/8" SS Close Nipple
CNSS100112	1" MPT X 1" MPT X 1-1/2" SS Close Nipple
CNSS1004	1" MPT X 1" MPT X 4" SS Close Nipple
CN200SS	2" SS Close Nipple
CN300SS	3" X 3-1/2" Ss Close Nipple

HOSE BARB

Part#	Description
HB14SS	1/4" MPT x 1/4" SS Hose Barb
HB1438SS	1/4" MPT x 3/8" SS Hose Barb
HB38SS	3/8" MPT x 3/8" SS Hose Barb
HB1234SS	1/2" MPT x 3/4" SS Hose Barb
HB12SS	1/2" MPT x 1/2" SS Hose Barb
HB1238SS	1/2" MPT x 3/8" SS Hose Barb
HB34SS	3/4" MPT x 3/4" SS Hose Barb
BHB3412SS	3/4" MPT x 1/2" Barb - Stainless Steel
HB100SS	1" MPT x 1" SS Hose Barb
HB100-075SS	2" MPT x 3/4" Hose Shank 316 - Stainless Steel

OTHER SIZES AVAILABLE - CALL FOR OPTIONS

STREET ELBOW

Part#	Description
SE34SS	Street Elbow 3/4" SS
SE100SS	Street Elbow 1" SS

VALVE

Part#	Description
V050SS	1/2" SS FP Ball Valve
V075SS	3/4" FPT 316 SS FP Ball Valve, 1000 PSI
V100SS	1" SS FP Ball Valve
V125SS	1 1/4" SS FP Ball Valve
V200SS	2" SS FP Ball Valve

JOHN BLUE PUMPS



PSP-3240-G6H



SP-3350-G13HFLG

GAS DRIVEN

Part#	Description
SP-3350-G13HFLG (Shown)	3" John Blue Cast Iron Wet Seal Pump, 13 HP Honda with Electric Start
SP-3240-G6EHFLG	Next Gen John Blue Cast Iron Pump 2" with 6.5 HP Honda Electric Start Engine
SP-3240-G6HFLG	Next Gen John Blue Cast Iron Pump 2" with 6.5 HP Honda Engine & Base Plate
PSP-3240-G6H-RK (Shown)	John Blue Poly Threaded Port Wet Seal Pump 2" with 6.5 HP Honda Gx200 Engine
PSP-3240-G6EH-RK	John Blue Poly Threaded Port Wet Seal Pump 2" with 6.5 HP Honda Gx200 Electric Start Engine
PSP-3340-G13HFLG	3" Poly John Blue Pump with FLG, 13HP E-Start Honda Engine & Base Plate



PSP-3240-E5T1B

ELECTRIC

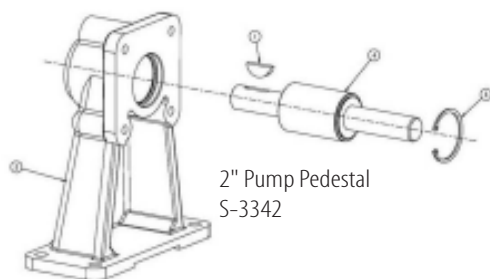
Part#	Description
SP-3340-E10TB-1FLG	3" Cast Iron John Blue Pump, Wet Seal 10 HP Electric Single Phase
PSP-3240-E5T1B (Shown)	2" John Blue Poly Centrifugal Pump, 2" FPT Ports, 5 HP Electric TEFC Motor, 1 Phase
SP-3240-E5T1BFLG	2" John Blue Cast Iron Pump- SP Cent-5 HP Electric Motor -Single Phase-TEFC-Base-Flanged



PSP-3240

PUMP ONLY

Part#	Description
PSP-3240	2" Poly Wet Seal Pump only, Self-Priming, Viton
SP-3240-FLG	Next Gen Cast Iron Pump 2" Pump only (Wet Seal) Flanged Ports
SP-3350-BS	3" John Blue Cast Iron Pump only 3350 Wet Seal for 1" Shaft Threaded Inlet and Outlet



2" Pump Pedestal S-3342

ACCESSORIES

Part#	Description
116252-91	2" SP Centrifugal Base Kit for Gas or Electric Pump
116395-91	Base Rail Kit 2" Poly Pump
S-3342	Bearing Pedestal Assembly for 2" John Blue Pumps
116230-91	John Blue Baseplate Kit For Customer Supplied 13 HP Engine



POWERED by
HONDA



BANJO TRANSFER PUMPS

Part#	Description
HONDA	
205PH5	2" Poly Transfer Pump with 5.5 HP Honda
205PH5E	2" Electric Start Poly Transfer Pump with 5.5 HP Honda
205PH6	2" Poly Transfer Pump with 6.5 HP Honda
300PH6	3" Poly Transfer Pump with 6.5 HP Honda
300PH6E	3" Electric Start Poly Transfer Pump with 6.5 HP Honda
MANIFOLD TRANSFER PUMPS	
M225PH6	2"FP Manifold Poly Pump with 6.5 HP Honda
M300PH13W	3" Manifold Poly Wet Seal Transfer Pump with 13 HP Honda
M332PIH13W	3" Manifold Cast-Iron Wet Seal Transfer Pump with 13 HP Honda
BRIGGS & STRATTON	
200P6PRO	6.5 HP Briggs & Stratton with 2" Poly Transfer Pump

HONDA GX ENGINES

POWERED by
HONDA



- 3 Year Warranty
- Transistorized Ignition
- Overhead Valve for Smooth Operation & Less Vibration
- Auto Decompression for Easy Starts
- Optional Cyclone Air Cleaners (single cylinder models only) for Dusty Conditions

Part#	Description
GX120UT3QX2-BLK	4.0 HP Honda Engine
GX160UT2QX2	5.5 HP Honda Engine
GX160UT2QXE2	5.5 HP Honda Engine with Electric Start
GX200UTQX2	6.5 HP Honda Engine
GX240UT2QA2	8.0 HP Honda Engine

Part#	Description
HON1010-C.DRA	Oil Drain Kit for Honda GX120, GX160, GX200, 10 X 1.25 mm
HON1012-C.DRA	Oil Drain Kit for Honda GX240, GX270, GX390, 12 X 1.5 mm
STAN1025-C.DRA	Oil Drain Kit for 6.5Hp Briggs Intek Pro 206 OHV , 1/4" NPT Port

BANJO PUMP REPAIR KITS

Part#	Description
12999A	Banjo Pump Seal Kit 2"
12772	Banjo Pump Impeller (5 Vane)
13999	Banjo Pump Seal Kit 3"

FS TRANSFER PUMP MOTOR COVER

- One-Piece Poly Body
- Stainless Steel Handle
- Fits Most Engine-Pump Combinations

Part#	Description
FSPMC-SHORT	Poly Cover for Transfer Pump Engines
FSPMC-TALL	Poly Cover for Transfer Pump Engines



ELECTRIC PUMPS

DIAPHRAGM



8007-543-850



7812-111

Part#	Brand	Max PSI	Voltage	GPM	Type	Ports
8000-533-236	SHURFLO	60 PSI	115	1.4	Demand	3/8" FPT
8000-533-250	SHURFLO	60 PSI	115	1.4	Bypass	3/8" FPT
8000-543-236	SHURFLO	50 PSI	12	1.8	Demand	3/8" FPT
8000-543-250	SHURFLO	50 PSI	12	1.8	Bypass	3/8" FPT
8006-543-250	SHURFLO	50 PSI	12	1.4	Bypass (Reversed Pump Head)	3/8" FPT
8007-543-850	SHURFLO	50 PSI	12	1.8	Bypass with Switch	3/8" FPT
8007-593-836	SHURFLO	50 PSI	12	1.8	Demand with Switch	3/8" FPT
4211-035	SHURFLO	40 PSI	12	6.25	Demand	1/2" MPT
5059-1310-D011	SHURFLO	60 PSI	12	5.3	Demand	1/2" FPT
5059-3610-D011	SHURFLO	90 PSI	12	5.3	Bypass	1/2" FPT
7812-201	Delavan	60 PSI	12	2.0	Demand	3/8" FPT
7812-111	Delavan	70 PSI	12	2.0	Bypass	3/8" FPT
5850-111E	Delavan	70 PSI	12	5.0	Bypass	1/2" FPT
5950-201E	Delavan	60 PSI	12	5.0	Demand	QA
7971-111E-SBD	Delavan	70 PSI	12	7.0	Bypass	QA
5517-2E1-63A	Remco	60 PSI	12	5.3	Bypass	QA

QUICK-ATTACH FITTINGS



Part#	Description
5DFA38	3/8" Quick Attach Hose Barb
5DFA12	1/2" Quick Attach Hose Barb
5DFA34	3/4" Quick Attach Hose Barb
5DFE38	3/8" Quick Attach Hose Barb Elbow
5DFE12	1/2" Quick Attach Hose Barb Elbow
5DFE34	3/4" Quick Attach Hose Barb Elbow

CENTRIFUGAL TRANSFER PUMP



Part#	Description	GPM
9700S	12V Stainless Centrifugal Transfer Pump - 7.5 Amp	19



PUMPTEC X-SERIES

The Pumptec X series high flow pump is designed for bullet proof operation. With solid ceramic 4 plunger design you can count on having the pressure and high flow you need regardless of your application. This powerful high performance pump is driven by a variety of electric motors. Like all Pumptec pumps, you can look forward to a long and problem free life. 12, 120 or 230 volt motor options available.

- High Flow Capability
- Solid Ceramic Plungers
- 3.4 - 6.4 GPM
- 85-160 PSI
- Stainless Steel Valves
- Hardcoat Aluminum Body

Part#	Description
81519	Pump Tec X-4/950, 12 VDC, 43 AMP





HYPRO ROLLER PUMPS

Part#	GPM	PSI	RPM	Description
4101C	7.2	150	2600	Cast Iron 4-Roller Pump with Super Rollers, Viton Seals, 3/4" NPT Ports, 5/8" Solid Shaft
1700C	45	200	1000	Cast Iron 5-Roller Pump with Super Rollers, Viton Seals, 1" NPT Ports, 15/16" Solid Shaft
6500C	22	300	1200	Cast Iron 6-Roller Pump with Super Rollers, Viton Seals, 3/4" NPT Ports, 5/8" Solid Shaft
6500XL	22	300	1000	ROUND-UP READY Silver Cast 6-Roller Pump with Super Rollers, Viton Seals, 3/4" NPT Ports, 5/8" Solid Shaft
7560C	22	300	1000	Cast Iron 8-Roller Pump with Super Rollers, Viton Seals, 3/4" NPT Ports, 15/16" Solid Shaft
7560XL	22	300	1000	ROUND-UP READY Silver Cast 8-Roller Pump with Super Rollers, Viton Seals, 3/4" NPT Ports, 15/16" Solid Shaft
7700C	22.4	200	800	Cast Iron 7-Roller Pump with Super Rollers, Viton Seals, 3/4" NPT Ports, 15/16" Solid Shaft
7700XL	22.4	200	800	ROUND-UP READY Silver Cast 7-Roller Pump with Super Rollers, Viton Seals, 3/4" NPT Ports, 15/16" Solid Shaft



HYPRO CENTRIFUGAL PUMPS



9203

9200 SERIES CAST IRON, PEDESTAL-MOUNT

Part#	GPM	PSI	RPM	Description
9202C	105	170	6000	Pedestal mount, cast iron pump with 5/8" Solid Shaft and Viton shaft seal, 1 1/4" Inlet; 1" Outlet
9203C	136	170	6000	Pedestal mount, cast iron pump with 5/8" Solid Shaft and Viton shaft seal, 1 1/2" Inlet; 1 1/4" Outlet NPT Ports

9300 SERIES CAST IRON, HYDRAULIC DRIVEN



9303



9306

Part#	Max GPM	Max PSI	Description
9303C-HM1C	114	130	13 GPM Hydraulic motor/cast iron pump for OPEN/CLOSED CENTER systems. Ports (NPT): 1 1/2" Inlet, 1 1/4" Outlet
9303C-HM1C-U	114	130	Cent Pump 220 Flange Inletx 200 Flange Outlet
9303C-HM3C	125	98	24 GPM Hydraulic motor/cast iron pump for LARGE OPEN CENTER systems. Ports (NPT): 1 1/2" Inlet, 1 1/4" Outlet
9303C-HM4C	115	93	7 GPM Hydraulic motor/cast iron pump for OPEN/CLOSED CENTER systems. Ports (NPT): 1 1/2" Inlet, 1 1/4" Outlet
9303C-HM5C	147	145	16 GPM Hydraulic motor/cast iron pump for OPEN/CLOSED CENTER systems. Ports (NPT): 1 1/2" Inlet, 1 1/4" Outlet
9306C-HM5C-B	212	140	13-18 GPM Hydraulic motor/cast iron Pump for OPEN/CLOSED CENTER Systems, Ports (NPT): 2" Inlet, 1-1/2" Outlet w/ Silicon Carbide Seal
9306C-HM1C-3U	283	127	13 GPM Hydraulic motor/cast iron Pump for OPEN/CLOSED CENTER Systems, Port Sizes: 300 x 220 (3U) Universal flange
9306C-HM1C	207	127	13 GPM Hydraulic motor/cast iron Pump, for OPEN/CLOSED CENTER Systems, Ports (FPT): 2" Inlet, 1 1/2" Outlet



HYPRO REPAIR KITS



Life Guard® Silicon Carbide Seal Kit

Part#	Description
3430-0161	Kit-Poly Roller (1700 Series)
3430-0167	Kit-Poly Roller (7560 Series)
3430-0175	Kit-Poly Roller (6500 Series)
3430-0332	Kit-Seal (9300 Series)
3430-0334	Kit-Seal (9000 Series) O'Ring Cast Pumps
3430-0343	Universal Super Roller Kit (6500, 7560, 7700 Series)
3430-0381	Kit-Super Roller (7560 Series) with O'Ring & Viton Seals
3430-0382	Kit-Seal (9000 S) (9200 Pump Vit - O'Ring)
3430-0384	Kit-Super Roller (7700 Series) with O'Ring & Viton Seals
3430-0390	Kit-Super Roller (4000 Series) with O'Ring & Viton Seals
3430-0412	Kit-Bearing and Seal (9200 Series)
3430-0437	Kit-Super Roller (1700 Series) with O'Ring & Viton Seals
3430-0445	Kit-Seal (9303P Series)

PTO ADAPTERS



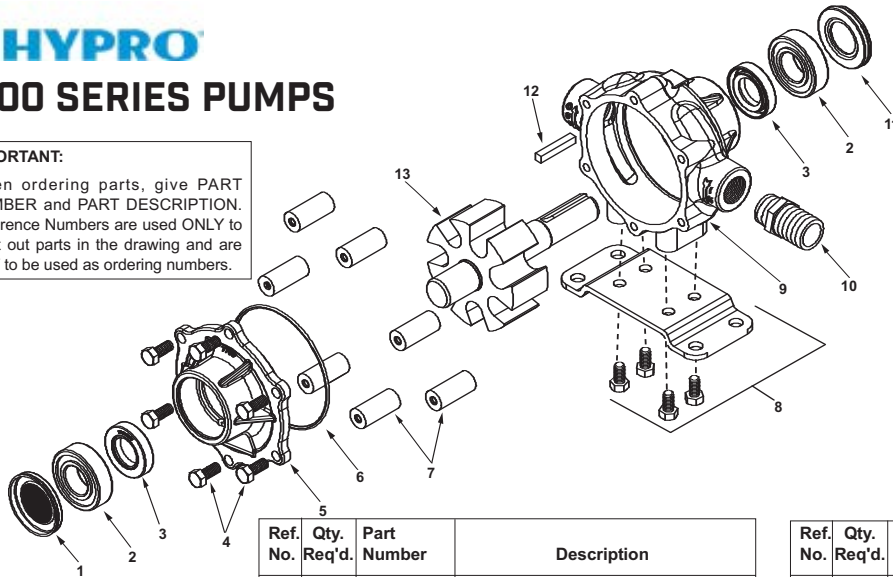
Part#	RPM	Spline x Bore	Spline
90700	540	1 3/8 x 15/16	6
1321-0009 (QUICK)	1000	1 3/8 x 15/16	21
1321-0013 (QUICK)	540 or 1000	1 3/8 x 15/16	6 or 21



7700 SERIES PUMPS

IMPORTANT:

When ordering parts, give PART NUMBER and PART DESCRIPTION. Reference Numbers are used ONLY to point out parts in the drawing and are NOT to be used as ordering numbers.



Repair Parts Kits:

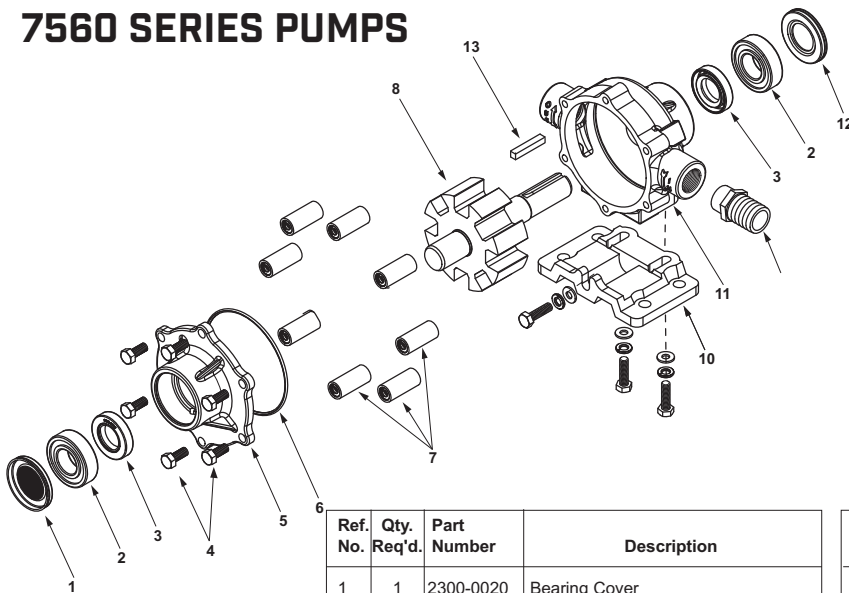
No. 3430-0384 Consists of (8) Ref. 7 Super Rollers, (1) Ref. 6 O-ring, and (2) Ref. 3 Viton seals

No. 3430-0167 Consists of (8) Ref. 7 Polypropylene Rollers, (1) Ref. 6 O-ring, and (2) Ref. 3 Viton seals

Ref. No.	Qty. Req'd.	Part Number	Description
1	1	2300-0020	Bearing Cover
2	2	2008-0001	Sealed Ball Bearing
3	2	2112-0003	Viton Seal (Standard)
3	2	2112-0001	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	O-ring Gasket for Endplate
7	8	1005-0004	Super Roller (Standard)
7	8	1002-0004	Polypropylene Roller (Optional)
7	8	1055-0004	Teflon Roller (Optional)
8	1 kit	3420-0010	Base Kit - Sold Separately Includes: (1) Base and (4) Bolts

Ref. No.	Qty. Req'd.	Part Number	Description
9	1	0100-7700C	Body (Cast Iron) with Seal
9	1	0100-7700N	Body (Ni-Resist) with Seal
9	1	0100-7700X	Body (SilverCast) with Seal
10	1	2404-0052	1" Hose Barb
11	1	2300-0022	Shaft Bearing Cover
12	1	1610-0005	Key
13	1	0300-7700C	Rotor Assembly (Cast Iron)
13	1	0300-7700N	Rotor Assembly (Ni-Resist)
13	1	0300-7700X	Rotor Assembly (SilverCast)
13	1	0301-7700C	Rotor Assembly (Cast Iron) Rev. Rot.
13	1	0301-7700N	Rotor Assembly (Ni-Resist) Rev. Rot.
13	1	0301-7700X	Rotor Assembly (SilverCast) Rev. Rot.

7560 SERIES PUMPS



Repair Parts Kits:

No. 3430-0381 Consists of (8) Ref. 7 Super Rollers, (1) Ref. 6 O-ring, and (2) Ref. 3 Viton seals

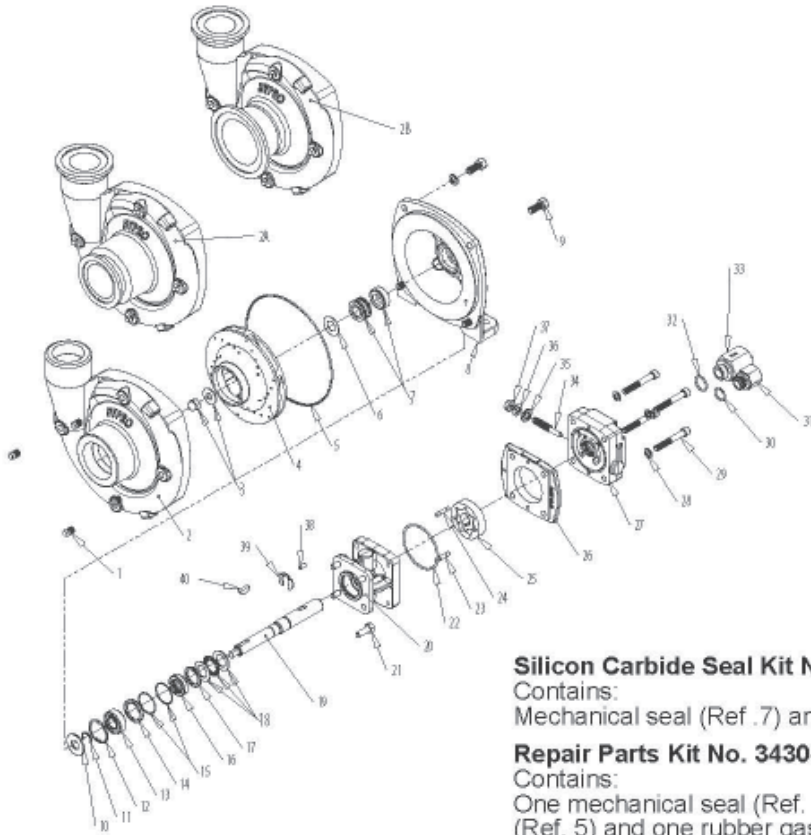
No. 3430-0167 Consists of (8) Ref. 7 Polypropylene Rollers, (1) Ref. 6 O-ring, and (2) Ref. 3 Viton seals

Ref. No.	Qty. Req'd.	Part Number	Description
1	1	2300-0020	Bearing Cover
2	2	2008-0001	Sealed Ball Bearing
3	2	2112-0003	Viton Seal (Standard)
3	2	2112-0001	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	O-ring Gasket for Endplate
7	8	1005-0004	Super Roller (Standard)
7	8	1002-0004	Polypropylene Roller (Optional)
7	8	1055-0004	Teflon Roller (Optional)

Ref. No.	Qty. Req'd.	Part Number	Description
8	1	3430-0745	Rotor Assembly (Std. Ni-Resist & XL)
8	1	0308-7560C	Rotor Assembly (Cast Iron only)
10	1 kit	3420-0003	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	2300-0022	Shaft Bearing Cover
13	1	1610-0005	Key
	1	1610-0059	Key (Stainless Steel)



9000 SERIES PUMPS



NOTE: When ordering parts, give QUANTITY, PART NUMBER, DESCRIPTION, and COMPLETE MODEL NUMBER. Reference number are used ONLY to identify part in the drawing and are NOT to be used as order numbers.

Silicon Carbide Seal Kit No. 3430-0589

Contains:
Mechanical seal (Ref. 7) and o-ring (Ref. 5).

Repair Parts Kit No. 3430-0332

Contains:
One mechanical seal (Ref. 7), one o-ring (Ref. 5) and one rubber gasket (Ref. 6).

Parts Kit No. 3430-0748

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).

Hydraulic Motor Part Nos.

2500-0081C (HM1C Models)
2500-0083C (HM3C Models)
2500-0085C (HM5C Models)

Ref. No.	Qty. Req'd.	Part No.	Description
1	4	2406-0016	Drain/Vent Plug
2	1	0154-9200C1	Pump Casing (9306C)
2	1	0154-9200S1	Pump Casing (9306S)
2A	1	0157-9200C	Pump Casing (Universal Flange 220x220)
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	Impeller Nut (9306C)
3	1	2253-0006	Impeller Nut (9306S)
4	1	0401-9200P2	Impeller (Nylon Std. 9306C)
4	1	0405-9200P2	Impeller (Polypropylene Optional) (Std. 9306S)
4	1	0407-9306P	Impeller (GTX Optional)
5	1	3430-0332	O-ring
6	1	3430-0332	Gasket
7	1	3430-0332	Mechanical Seal (Viton/Ceramic) (Std. 9306C)
7	1	3430-0589	Mechanical Seal (Silicon Carbide) (Std. 9306S)
8	1	0750-9300C2	Mounting Flange (9306C)
8	1	0756-9300S	Mounting Flange (9306S)
9	4	2210-0020	Hex Head Cap Screw (9306C)
9	4	2210-0125	Hex Head Cap Screw (9306S)
10	1	1410-0056	Slinger Ring
11	1	1810-0014	Snap Ring
12	1	1820-0013	Retaining Ring
13	1	3430-0748	Ball Bearing
14	1	1410-0131	Cartridge, Front
15	2	1720-0286	O-ring
16	1	3430-0748	Lip Seal
17	1	1410-0130	Seal Spacer
18	1	2029-0014	Thrust Bearing Assembly
19	1	3430-0852	Shaft (HM1C/HM5C)
19	1	3430-0855	Shaft (HM3C)

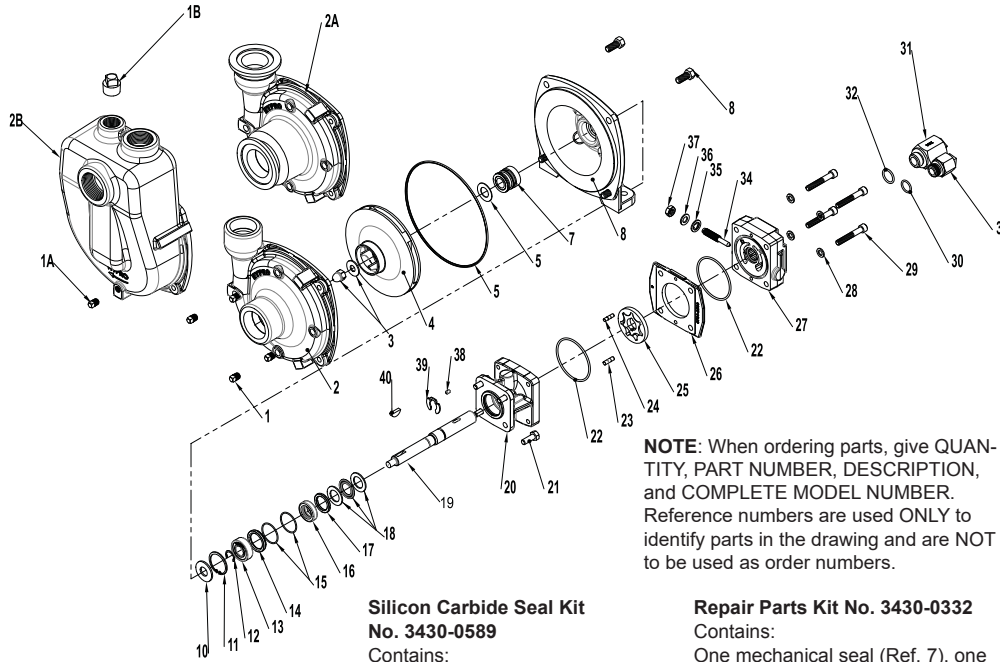
Ref. No.	Qty. Req'd.	Part No.	Description
20	1	0150-2500C	Motor Body (includes needle bearing)
21	4	2210-0005	Hex Head Cap Screw
22	2	3430-0748	O-ring
23	1	1600-0044	Dowel Pin (HM1C/HM5C)
23	1	1600-0052	Dowel Pin (HM3C)
24	1	1600-0037	Dowel Pin (HM1C/HM5C)
24	1	1600-0068	Dowel Pin (HM3C)
25	1	3900-0022	Gerotor (HM1C)
25	1	3900-0024	Gerotor (HM3C)
25	1	3900-0048	Gerotor (HM5C)
26	1	0700-2500C1	Gerotor Housing (HM1C Models) 1/2" wide
26	1	0702-2500C1	Gerotor Housing (HM3C Models) 1" wide
26	1	0704-2500C1	Gerotor Housing (HM5C Models) 5/8" wide
27	1	0254-2500C2	Motor End Plate (includes needle bearing)
28	4	2270-0039	Washer
29	4	2220-0021	Cap Screw (HM1C Models)
29	4	2220-0044	Cap Screw (HM3C Models)
29	4	2220-0032	Cap Screw (HM5C Models)
30	1	3430-0748	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	Bypass Adjusting Screw
35	1	3430-0748	Gasket
36	1	3430-0748	Washer
37	1	2250-0038	Lock Nut
38	1	1610-0031	Roll Pin (HM1C/HM5C)
38	1	1610-0055	Roll Pin (HM3C)
39	1	1810-0026	Snap Ring
40	1	1610-0012	Woodruff Key



9303C AND 9303S SERIES PUMPS

HYPRO PARTS LIST

9303C(S)-HM1C, 2, 3, 4, 5 & -U and 9303C(S)-SP-HM1, 2, 3, 4, 5



Adapter Kit No. 3430-0187 (HM2 and HM4 Modes Only) Contains one each:
 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

SP Chamber Kit No. 3430-0480SP
 Contains: One chamber with wear ring. (Ref. 2) one o-ring (Ref. 5), one drain vent plug (Ref. 1) and one vent plug (Ref. 1A).

Parts Kit No. 3430-0748
 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).

Hydraulic Motor Part Nos.
 2500-0081C (HM1C Models)
 2500-0082C (HM2C Models)
 2500-0083C (HM3C Models)
 2500-0084C (HM4C Models)
 2500-0085C (HM5C Models)

Silicon Carbide Seal Kit No. 3430-0589

Contains:
 Mechanical seal (Ref. 7) and o-ring (Ref. 5).

Repair Parts Kit No. 3430-0332

Contains:
 One mechanical seal (Ref. 7), one o-ring (Ref. 5) and one rubber gasket (Ref. 6).

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.	Part No.	Description	Ref. No.	Qty. Req'd.	Part No.	Description
1	4	2406-0007	Drain/Vent Plug (9303C)	23	1	1600-0045	Dowel Pin (HM2C / HM4C)
1	4	2406-0016	Drain/Vent Plug (9303S)	23	1	1600-0044	Dowel Pin (HM1C/HM5C)
1A	4	2406-0007	Drain/Vent Plug	23	1	1600-0052	Dowel Pin (HM3C)
1B	4	2406-0001	Vent Plug	24	1	1600-0042	Dowel Pin (HM2C / HM4C)
2	1	0150-9000C	Pump Casing (Model 9303C)	24	1	1600-0037	Dowel Pin (HM1C/HM5C)
2	1	0150-9000S	Pump Casing (Model 9303S)	24	1	1600-0068	Dowel Pin (HM3C)
2A	1	0153-9000C	Pump Casing (Universal Flange Model C-U)	25	1	3900-0022	Gerotor (HM1C)
2A	1	0153-9000S	Pump Casing (Universal Flange Model S-U)	25	1	3900-0023	Gerotor (HM2C)
2B	1	0150-9070CM	Pump Casing	25	1	3900-0024	Gerotor (HM3C)
3	1	3430-0825	Impeller Nut (9303C)	25	1	3900-0025	Gerotor (HM4C)
3	1	3430-0825	Impeller Nut (9303S)	25	1	3900-0048	Gerotor (HM5C)
4	1	0401-9100P	Impeller (Nylon Std. 9303C)	26	1	0701-2500C1	Gerotor Housing (HM2C Models) 1/4" wide
4	1	0402-9100P	Impeller (Polypropylene Optional) (Std 9303S)	26	1	0700-2500C1	Gerotor Housing (HM1C Models) 1/2" wide
5	1	1720-0083	O-ring	26	1	0703-2500C1	Gerotor Housing (HM4C Models) 5/16" wide
6	1	1700-0100	Gasket	26	1	0702-2500C1	Gerotor Housing (HM3C Models) 1" wide
7	1	2120-0009	Mechanical Seal (Viton/Ceramic) (Std 9303C)	26	1	0704-2500C1	Gerotor Housing (HM5C Models) 5/8" wide
7	1	3430-0589	Mechanical Seal (Silicon Carbide) (Std 9303S)	27	1	0254-2500C2	Motor End Plate (includes needle bearing)
8	1	0750-9300C	Mounting Flange (9303C)	28	4	2270-0039	Washer
8	1	0756-9300S	Mounting Flange (9303S)	29	4	2220-0045	Cap Screw (HM2C / HM4C Models)
9	4	2210-0020	Hex Head Cap Screw (9303C)	29	4	2220-0021	Cap Screw (HM1C Models)
9	4	2210-0125	Hex Head Cap Screw (9303S)	29	4	2220-0044	Cap Screw (HM3C Models)
10	1	1410-0056	Slinger Ring	29	4	2220-0032	Cap Screw (HM5C Models)
11	1	1810-0014	Snap Ring	30	1	1720-0108	O-ring
12	1	1820-0013	Retaining Ring	31	1	3360-0021A	Pressure Port Adapter (includes o-ring)
13	1	2000-0010	Ball Bearing	32	1	1720-0262	O-ring
14	1	1410-0131	Cartridge, Front	33	1	3320-0051A	Tank Port Adapter (includes o-ring)
15	2	1720-0268	O-ring	34	1	3220-0029	Bypass Adjusting Screw
16	1	3430-0748	Lip Seal	35	1	1700-0047	Gasket
17	1	1410-0130	Seal Spacer	36	1	2270-0027	Washer
18	1	2029-0014	Thrust Bearing Assembly	37	1	2250-0038	Lock Nut
19	1	3430-0850	Shaft (HM2C/HM4C)	38	1	1610-0032	Roll Pin (HM2C / HM4C)
19	1	3430-0852	Shaft (HM1C/HM5C)	38	1	1610-0031	Roll Pin (HM1C / HM5C)
19	1	3430-0855	Shaft (HM3C)	38	1	1610-0055	Roll Pin (HM3C)
19	1	0150-2500C	Motor Body (includes needle bearing)	39	1	1810-0026	Snap Ring
20	1	0150-2500C	Motor Body (includes needle bearing)	40	1	1610-0012	Woodruff Key (9303C)
21	4	2210-0005	Hex Head Cap Screw	40	1	04432	Woodruff Key (9303S)
22	2	1720-0110	O-ring				

CALL US FOR OTHER HYPRO PUMP BREAKDOWNS

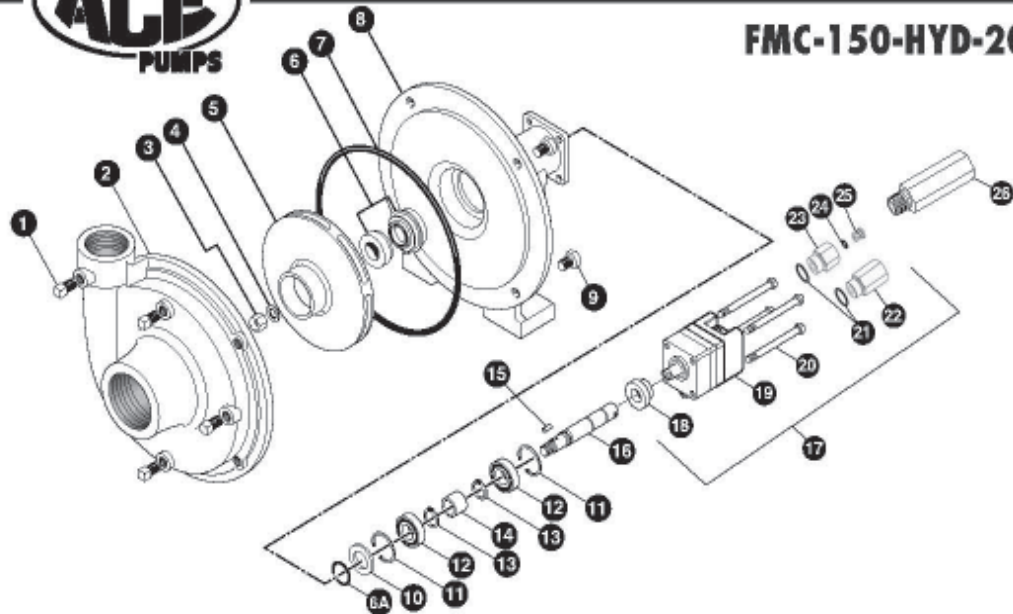
ACE PARTS LIST



FMC-150-HYD-206



FMC-150-HYD-206



REF. #	PART NUMBER	EDP #	DESCRIPTION	REQ.
1	BAC-53	41110	Pipe plug	4
1	41120	41120	Pipe plug, stainless steel (optional)	4
2	BAC-12-150	40255	Volute, 1-1/2" x 1-1/4"	1
3	BAC-23-A	40391	Nut, 3/8" NF, cad plated	1
3	BAC-23-B-SS	40393	Nut, 3/8" NF, stainless steel (standard on -SS models)	1
4 [Ⓢ]	BAC-24-HYD-SS	40400	Washer, 3/8" star, stainless steel	1
4	BAC-24-B-SS	42702	Washer, 3/8", stainless steel, vibration proof (standard on -SS models)	1
5	BAC-26-150-P	40446	Impeller, Valox, keyway	1
5	BAC-26-150-CI	40445	Impeller, cast iron, keyway (optional)	1
5	BAC-26-150-PI	40448	Impeller, polypropylene, keyway (optional)	1
6 [Ⓢ]	BAC-7V	40151	Seal, carbon/ceramic/Viton (includes 40160 O-ring)	1
6 [Ⓢ]	BAC-7SC	40152	Seal, silicon carbide/Viton (includes 40160 O-ring) (optional)	1
6A [Ⓢ]	40160	40160	O-ring, shaft seal	1
7 [Ⓢ]	BAC-4-150	40015	O-ring, body seal	1
8	BAC-14-150-HYD	40305	Mounting frame (for 200 Series hydraulic motor)	1
9	40950	40950	Cap screw, 3/8" NC x 3/4" hex head	4
9	40930	40930	Cap screw, 3/8" NC x 3/4" hex head, stainless steel (optional)	4
10	BAC-54	41130	Slinger	1
11	BAC-33	40810	Snap ring, internal, BAC-14 mounting frame	2
12	BAC-37	40870	Ball Bearing, sealed, BAC-6 shaft	2
13	BAC-32	40790	Snap ring, external, BAC-6 shaft	2
14	BAC-32-S	40795	Spacer for BAC-6 shaft	1
14	BACH-25	40420	Key, 1/8" x 1/8" x 1/2"	1
16	BAC-6-HYD-SS	40061	Shaft, 5/8" diameter, keyway and tang slot, stainless steel	1
17	BAC-75-HYD-206	41372	Hydraulic motor, 7 GPM (includes parts 18 - 25)	1
18	S200	40161	Seal support spacer for 200 Series HYD motor	1
19	BAC-75-HYD-206N	41397	Hydraulic motor, 7 GPM (motor only - no external fittings)	1
20	41255	41255	Cap screw, 5/16" N. C. x 3-3/4" socket head (for 206N motor)	4
21	41875	41875	O-ring, #8 SAE fitting	2
22	BAC-78-8SAE	41441	Reverse check valve, #8 SAE male x 1/2" NPT female	1
23	BAC-80-8SAE	41455	Adapter, restrictor body, #8 SAE male x 1/2" NPT female	1
24	41448	41448	O-ring, orifice insert	1
25	BAC-79-7	41456	Orifice, restrictor insert, .109 (206N)	1
26	LS-206N	41418	Flow limiting valve (206N), #8 SAE male x 1/2" NPT female	1
Ⓢ	RK-FMC-150	52710	Repair kit for FMC-150 series pump	-
Ⓢ	RK-FMCS-150	52711	Repair kit for FMC-150 series with silicon carbide shaft seal	-
#	RK-BAC-75-HYD-L	41374	Repair kit for 200-L Series motor	-

Ace Pump Corporation • 1650 Channel Avenue • Memphis, TN 38113
 www.AcePumps.com • Phone: 901-948-8514 • Fax: 901-774-6147

Ace Form #FMC-150-HYD
 Revised 03/13

CALL US FOR OTHER HYDRO PUMP BREAKDOWNS

GET THE **ACE** ADVANTAGE



FMC-150F-HYD-206



FMC-200-HYD-304



FMCWS-125-HYD-204

GREAT FOR
PLANTER KITS!

ACE HYDRAULIC-DRIVEN CENTRIFUGAL PUMPS

Part#	Bearing	Repair Kit	Impeller	Description
FMC-75-HYD-204	BAC-37	RK-GE-75	GE-26-75	Poly Centrifugal Driven by a 4 GPM Hydraulic Motor with Integral Needle Valve. Max Flow: 25 GPM, Max Pressure: 100 PSI.
FMCSC-HYD-204-SS	BAC-37	RK-FMSCS	BAC-26-HYD-VALOX	Cast Iron Centrifugal Driven by a 4 GPM Hydraulic Motor with Integral Needle Valve, Silicon Carbide Shaft Seal, Stainless Steel Hardware. Max Flow: 85 GPM, Max Pressure: 100 PSI.
FMC-150F-HYD-206	BAC-37	RK-FMC-150	BAC-26-150P	Cast Iron Centrifugal Driven by 7 GPM Hydraulic Motor with Integral Needle Valve Inlet 220 Full Port Flange & 1 1/2" NPT Outlet 200 Standard Port Flange & 1 1/4" NPT. Max Flow: 135 GPM Max Pressure: 120 PSI
FMC-200-HYD-304	BAC-37	RK-FMC	BAC-26-200-P	Cast Iron Centrifugal Driven by a 11 GPM Hydraulic Motor with Integral Needle Valve. 2" NPT Inlet / 1 1/2" NPT Outlet. Max Flow :200 GPM Max Pressure: 120 PSI
FMC-200-HYD-310	BAC-37	RK-FMC	BAC-26-200-P	Cast Iron Centrifugal Driven by a 25 GPM Hydraulic Motor with Integral Needle Valve. 2" NPT Inlet / 1 1/2" NPT Outlet. Max Flow :200 GPM Max Pressure: 100 PSI
FMC-200F-HYD-304	BAC-37	RK-FMC	BAC-26-200-P	Cast Iron Centrifugal Driven by 11 GPM Hydraulic Motor with Integral Needle Valve Inlet 300 Series Standard Port Flange Outlet 220 Series Full Port Flange Max Flow: 240 GPM Max Pressure: 120 PSI
FMCWS-125-HYD-204	40880	RK-FMCWS	BAC-26-125-P	Pump - Hyd Drive 1-1/4" X 1", Wet Seal

ACE BELT-DRIVEN CENTRIFUGAL PUMPS



Part#	Bearing	Repair Kit	Impeller	Description
FMC-CW-800-DRB	ACAL-37-DRB	RK-FMC-CW-800	ACAL-26-75	2" x 1 1/2" Cast Iron Frame Mounted Centrifugal for Belt Drive Applications Max Flow: 180 GPM Max Pressure: 170 PSI

ACE PUMPS FLOW LIMITER VALVES



Part#	Description
LS-204N	Flow Limiter - 204N HYD Motor
LS-206N	Flow Limiter - 206N HYD Motor
LS-304N	Flow Limiter - 304N HYD Motor

ACE PUMP IMPELLERS



Part#
BAC-26-HYD-VALOX
BAC-26-150-P
BAC-26-200-P
GE-26-75
GE-26-85

ACE PUMP REPAIR KITS



Part#
RK-FMC
RK-FMC-650
RK-GE-75
RK-GE-85

ACE PUMP BEARINGS



Part#
40875
BAC-37

PLEASE CALL US FOR ALL ACE REPLACEMENT PARTS!



GE-860-LE



GE-660-LE



GE-75

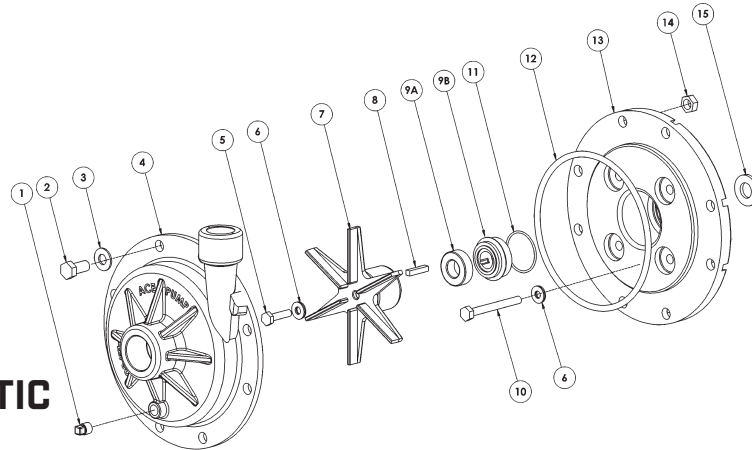


GE-85

ACE GAS ENGINE-DRIVEN CENTRIFUGAL PUMPS

Part#	Repair Kit	Impeller	Description
GE-75	RK-GE-75	GE-26-75	GE-75 Centrifugal Pump with 3HP Honda Engine
GE-75-LE	RK-GE-75	GE-26-75	GE-75 Centrifugal Pump Only
GE-85	RK-GE-85	GE-12-75	GE-85 Centrifugal Pump with 4HP Honda Engine
GE-85-LE	RK-GE-85	GE-12-75	GE-85 Centrifugal Pump Only
GE-660-LE	RK-GE-660	ACAL-28-660-P	GE-660-LE Centrifugal Pump Only
GE-860-LE	RK-GE-860	ACAL-26-860	GE-860-LE Centrifugal Pump Only

THE PERFECT SOLUTION FOR SMALL SPRAYERS!



GE-85-LE SCHEMATIC

REF. #	PART NUMBER	EDP #	DESCRIPTION	REQ.
1	BAC-53-P	41119	Pipe plug, 1/8" NPT, plastic	1
2	80250	80250	Cap screw, 3/8"-16 x 7/8", hex head	8
3	42701	42701	Washer, 3/8" flat	8
4	GE-12-75	42700	Volute, 3/4" x 1", polypropylene	1
5	GE-60-SS	42235	Cap screw, 5/16"-NF x 3/4", hex, stainless steel	1
6 ^{①②}	30028	30028	Washer, sealing	5
7	GE-26-85	42711	Impeller, with keyway, polypropylene	1
8	41082	41082	Key, 3/16" x 3/16" x 15/16"	1
9 ^①	BAC-7-660V	30225	Seal, 3/4", Viton® type rubber	1
9 ^②	BAC-7SC-660V	30226	Seal, 3/4", Carbide/Ceramic/Viton® (optional)	1
10	42245	42245	Cap screw, M8 x 60, stainless steel (GC-160)	4
10	42238	42238	Cap screw, 5/16"NF x 2-1/4", (GX-160)	4
11 ^{①②}	40159	40159	O-ring, shaft seal, GE-85	1
12 ^{①②}	40017	40017	O-ring, volute seal, GE-85	1
13	GE-14-85	42721	Bracket, GE-85, polypropylene	1
14	BAC-45	41010	Nut, hex, 3/8"	8
15	GE-54-660	42222	Slinger	1
①	RK-GE-85	60845	Repair kit for GE-85	-
②	RK-GESC-85	60846	Repair kit for GE-85, silicon carbide seal	-

FILL-RITE FUEL TRANSFER PUMPS



FILL-RITE.

	Part#	Description
DC PUMPS	FR1210G	Transfer Pump 15 GPM with Manual Nozzle and 3/4" x 12' Hose
	FR4210G	1" Transfer Pump 20 GPM with Manual Nozzle and 1" x 12' Hose
AC PUMPS	FR310VB	Fuel Pump 35 GPM – 115v/230v with Auto Shutoff Nozzle and 1" x 18' Hose

FILL-RITE FUEL NOZZLES



Part#	Description
FRHMN075S	3/4" URL Manual Nozzle – No Lead Spout and Hook All 12 Volt and AC; 3/4" Outlet
N075DAU10	Quick Flow 3/4" UL Auto Nozzle. Diesel Spout and Hook Green Boot; All 12 Volt and AC; 1" Outlet 2.5-14.5 GPM
N075UAU10	3/4" UL Nozzle. No Lead Spout and Hook Red Boot; All 12 Volt and AC; 3/4" Outlet
N100DAU12G	High Flow 1" UL Auto Nozzle. Diesel Spout and Hook Green Boot; All 12V and AC; 1" Outlet 5-25 GPM Rated for 50 PSI
N100DAU13G	1" Ultra High Flow Auto Nozzle, Green Cover, 3 Position Hold Latch 5-40 GPM Rated for 50 psi

TELESCOPING SUCTION PIPES



Part#	Description	Length
445F1863	1" Poly Suction Tube with Belows	24"-42"

FUEL HOSE



Part#	Description
FH34	Fuel Hose 3/4"
FH100	Fuel Hose 1"

D.E.F. PUMPS



Part#	Description
DEF115V	Piusi 115 Volt 8 GPM DEF Pump
DEF12V	Piusi 12 Volt 8 GPM DEF Pump
DEF34H	3/4" DEF Hose (Per Foot)
DEFNOZZLE	3/4" Manual DEF Nozzle

FUEL ACCESSORIES

Part#	Description
S075H1314	3/4" Multi-Plane Fuel Hose Swivel
S100H1315	1" Multi-Plane Fuel Hose Swivel

FLOW METERS



Part#	Description
806C	Gravity Flow Meter — 20GPM; 1" Inlet Strainer and Fittings
807C	Gravity Flow Meter — 20GPM; 3/4" Inlet
850	1" Digital Chemical Meter with Air Eliminator
1-063-0173-653	Raven Flow Max 221 Flow Meter 200GPM
DP-3000V	1" Dura-Product Digital Flow Meter 2-22GPM (Viton Seals)
TT10PN	Turbine Meter, 1" Poly NPT , Ag Chemicals, Def, Non Potable Water

TUTHILL CHEMICAL TRANSFER PUMPS



Part#	Description
SS415B	12V / 13GPM Sotera Chemical Transfer Pump only
SS415BX731	12V / 13GPM Sotera Chemical Transfer Pump only with Motor Bracket)
SS460BX731	115V / 13GPM Sotera Chemical Transfer Pump only with Motor Bracket)
SS435BX713	12V / 13GPM Sotera Chemtraveller Pump Kit—Includes 1" x 9' EPDM Hose, 1" x 12' EPDM Hose, 1" Ball Valve Nozzle, 20' Battery Cable with clips, 1" NPT 90° Outlet Flange. Also includes top and bottom tote adapter kits.
CHEMPUMPKIT	Chemical transfer pump parts kit for top and bottom suction (Pump and drop tube not included)

DURA CHEMICAL PUMP



Part#	Description
DPABS-4312V	12V Dura-Product Chemical Auto Batch System (Viton Seals)
DP-4012V	12V Dura-Product Chemical Pump 15GPM (Pump Only) (Viton Seals)
DP-4015V	110V Dura-Product Chemical Pump 15GPM (Pump Only) (Viton Seals)
DPE-4012V	Dura-Pump Easy Caddy without meter 12V (Viton Seals) (Shown)

BANJO DRY POPPET COUPLINGS



Part#	Description
DPCF100	Female Dry Poppet Coupler, 1" FPT with Viton Seals
DPCMT100	Male Dry Poppet Adapter with 2" Male Threaded Body, and 1" FPT Threads with Viton Seals
VSMT200DPC	2" MPT x 1" Dry Poppet Stubby Valve

BULK CONTAINER COUPLERS



Part#	Description
MVC	Macro Valve Coupler
DVC	Drum Valve Coupler
MVSB	Macro Valve Storage Bracket
DVRS3KEY	Drum Valve Rinse Socket
MVRS	Macro Valve Rinse Socket
DVC-DEF	Drum Valve Coupler for DEF
DVE-BSP	Drum Valve Coupler with BSP Threads
DVE-BUTTRESS	Drum Valve Coupler with Buttress Threads
DVE-TUBE	Flex Tube Assembly
102-068	Main Gasket - DVC
102-074	Coupler Seal Probe - DVC

PPE SAFETY KIT

- Coveralls (1)
- Goggles (1)
- Gloves (2 Pairs)
- Respirators (2)



Part#	Description
PPESAFETYKIT	PPE Safety (Protective Suit, Gloves, Goggle, Respirators And Bag)

HYDRAULIC MOTORS CHAR LYNN (EATON) HYDRAULICS

- 4 Bolt Flange
- 2.8 GPM Requirement



Part#	Description
130-1005	1/2" O-Ring Ports Motor
60540	Char Lynn Seal Kit

NITRILE/NH3 GLOVES



Part#	Description	Sizes Available	Pairs
GLOVE-NU-*	Unlined Nitrile Gloves	L, XL, XXL	1
GLOVE-GTEK*	Seamless Gray Coated Gloves	L, XL	1
GLOVE-NH3	Anhydrous Ammonia Gloves	One Size Fits Most	1

CALIBRATION CONTAINER



Part#	Description
CALCON	4 oz Calibration Cylinder
WATERPITCHER-64	64 oz Calibration Container
WATERPITCHER-128	128 oz Calibration Container

FIELD MARKER FLAGS

- Hot Pink for Superior Visibility
- 5" x 8" Flag on 35" Wire
- Heavy, Fade Resistant Plastic
- 100 Per bundle



Part#	Qty
FMF	100

SOIL PROBES



Part#	Description
SOILPROBE8	8 Inch Soil Probe
SOILPROBE12	12 Inch Soil Probe

SPRAY TANK CLEANER



Part#	Description
SPRAYTANKCLEANER	Neutralize Spray Tank Cleaner-32oz (2#)

BUBBLE BUSTER



Part#	Description
BUBBLEBUSTER	Ag Anti-Foam AdditiveBubble Buster-Quart

TUFF TRAX
FOAM CONCENTRATE



FOAM CONCENTRATE

Part#	Description
TUFF TRAX	TuffTrax Foam Concentrate 1 Gallon

F/S TOUCHDOWN WHEELS

- 14" Solid Tire / Ball Bearing Wheel
- Complete with U-Bolts
- Fits Up To a 1 3/4" Square Tube
- All Steel Bracket



Part#	Description
TD	Pair of Touchdown Wheels
TD WHEEL	Single Replacement Wheel



WIND METERS

WM FEATURES:

- Ideal for yachtsmen, outdoorsmen, farmers, etc. Use anywhere! Direct reading, no calculations!
- Meter has two scales for maximum accuracy and easy reading. Low 2-10 and High 2-66 mph range.
- Pocket size, sturdy plastic, and has case.






MW-1 FEATURES:

- Measure wind speed and temperature with the series MW Pocket Wind Meter.
- Easily review readings on the four digit 2" (51mm) high LCD display with wind speed bar graph.
- Selectable air velocity ranges include m/s, ft/min, km/h, mph, and knots.
- Includes plastic water resistant housing and it floats.
- Ambient temperature records in F and C.
- Automatic shut-off
- Includes a lanyard.

Part#	Description
WM	Portable Wind Meter
MW-1	Pocket Wind Meter - Hand Held Mini-Vane Thermo-Anemoter

NH3 CONVERSION TUBES / INSULATORS

- Mounts behind the shank. Unique cone shaped outlet minimizes plugging.
- For chisel plows and field cultivators.
- Available in 3/8" and 1/2" tubes.

FEATURES	Part#	Description
<ul style="list-style-type: none"> • Self-Clearing Delivery Port • Wear-Resistant Cross Tube 	CPI	3/8" Tube for Chisel Plow
	FCI	3/8" Tube for Field Cultivator
	CPI-1	1/2" Tube for Chisel Plow/Cultivator
	FSI	Insulator for CPI and FCI
<ul style="list-style-type: none"> • For 1/2" Cold Flow • Easy Replacement of Worn Hose 	FE400	1/2" Tube for Cold Flow System

MANIFOLD HOSE BARBS



Part#	Thread Size	Hose Size	Description
A-1132	1/4"	3/8"	Plain
A-1138	1/4"	1/2"	Plain
A-1138-2	1/4"	1/2"	With 3/32" Orifice
A-6132-2	1/8"	3/8"	With 3/32" Orifice
A-6138	1/8"	1/2"	Plain
A-6138-2	1/8"	1/2"	With 3/32" Orifice

PRESSURE GAUGES



Part#	Description
ASG60	2 1/2" NH3 Gauge
ASG160	2 1/2" NH3 Gauge
ASG400	2 1/2" NH3 Gauge
ASG604	4" NH3 Gauge
ASG1604	4" NH3 Gauge
ASG4004	4" NH3 Gauge

NH3 HOSE



Part#	Description
AAH100-3	1" NH3 Hose with Ends - 3'
AAH100-6	1" NH3 Hose with Ends - 6'
AAH100-10	1" NH3 Hose with Ends - 10'
AAH100-12	1" NH3 Hose with Ends - 12'
AAH100-15	1" NH3 Hose with Ends - 15'
AAH125-20	1 1/4" NH3 Hose with Ends - 20'
AAH125-8	1 1/4" NH3 Hose with Ends - 8'
AAH125-10	1 1/4" NH3 Hose with Ends - 10'
AAH125-12	1 1/4" NH3 Hose with Ends - 12'

PLASTIC CAPS



Part#	Size
DC20170	1 3/4" Plastic Cap with Chain

MANIFOLD PLUGS



Part#	Description
A-1135	1/4" MPNT Plug
244-005000	1/8" MPNT Plug

BREAKAWAY COUPLERS



- Breakaway couplers shut off the flow of NH3 from the nurse tank to the applicator when hitch failure occurs, preventing rupture to the hose.
- **Breakaway couplers require annual maintenance and safety inspections before EACH USE!!** Couplers can corrode and may not operate properly if connected for a long period of time.

Part#	Description
4500-6M	1" Coupler Complete with Acme Adapter
4510-6M	1" Male Tip x 1 3/4" Male Acme
4510-6	1" Male Tip x 1" FPT Coupler
4500-7	1 1/4" Coupler Complete (no Adapter)

FLOMAX BREAKAWAY COUPLERS



Part#	Size
113028	1 1/4" Breakaway Coupler with Ez Bracket
A411	Valve Bleed 1/4" Ss

RED WEEDER

Perfect Hand-Held unit for Applying RoundUp around Bins, Buildings and Houses with **NO DRIFT!**

Part#	Description
RED WEEDER	Wool Applicator
GREEN WEEDER	Hand Wand Style No Drift Weed Applicator



VOGELS WICK WEEDERS

- All Steel Construction
- Trailer Models Available 10' to 40' Wide
- ATV Front Mount Available 5' to 15' Long
- Adjusts 4" to 36" from Ground
- Units Fold for Transport
- 6 Gallon Gravity Feed System for 30' to 40' systems
- Motorcycle Tires & Commercial Steel Rims (Trailer Models)



CALL FOR PRICING



QUICK TEEJET 360 DRY BOOM NOZZLE BODIES

- Positive Shut-off Between Each Spray Position
- Use with All Quick-Change Color Caps



Part# Single Inlet	Part# Double Inlet	Spray Outlets	Hose Size
QJ363C-500-1-NYB	QJ363C-500-2-NYB	3	1/2
QJ363C-750-1-NYB	QJ363C-750-2-NYB	3	3/4
QJ364C-500-1-NYB	QJ364C-500-2-NYB	4	1/2
QJ364C-750-1-NYB	QJ364C-750-2-NYB	4	3/4
QJ365C-500-1-NYB	QJ365C-500-2-NYB	5	1/2
QJ365C-750-1-NYB	QJ365C-750-2-NYB	5	3/4

QJ200 SERIES NOZZLE BODIES

- ChemSaver Diaphragm Check Valve for Drip-Free Shut-off (Opens at 10 PSI).
- Standard Diaphragm is EPDM (Viton Optional)



Part#	Size
19349-211-406-NYB	3/8
19349-211-540-NYB	1/2
19349-211-785-NYB	3/4
19350-212-406-NYB	3/8
19350-212-540-NYB	1/2
19350-212-785-NYB	3/4
19351-213-406-NYB	3/8
19351-213-540-NYB	1/2
19351-213-785-NYB	3/4

TRIPLE NOZZLE BODIES

- Simplifies Changing Tips
- Positive Shut-off Between Each Spray Position
- Use with All TeeJet Caps
- 10 PSI ChemSaver Diaphragm Check Valve for Drip-Free Shut-off.



Part#	Size
24230A-1-540-NYB	1/2
24230A-1-785-NYB	3/4
24230A-2-540-NYB	1/2
24230A-2-785-NYB	3/4

QJ100 SERIES NOZZLE BODIES



Part#	Size
18635-111-406-NYB	3/8
18638-111-540-NYB	1/2
18719-111-785-NYB	3/4
18636-112-406-NYB	3/8
18639-112-540-NYB	1/2
18720-112-785-NYB	3/4
18637-113-406-NYB	3/8
18640-113-540-NYB	1/2
18721-113-785-NYB	3/4

QJ300 SERIES NOZZLE BODIES

- ChemSaver Diaphragm Check Valve for Drip-Free Shut-off (Opens at 10 PSI).
- Standard Diaphragm is EPDM (Viton Optional)



Part#	Size
22251-311-375-NYB	3/8
22251-311-500-NYB	1/2
22251-311-750-NYB	3/4
22252-312-375-NYB	3/8
22252-312-500-NYB	1/2
22252-312-750-NYB	3/4

QUICK TEEJET 380 WET BOOM NOZZLE BODIES

- Positive Shut-off Between Each Spray Position
- Seals to 3/8" (9.5 mm) Hole Drilled in Pipe or Tube
- Use with All Quick-Change Color Caps
- Mounts to 1/2", 3/4" or 1" Pipe



Part#	Spray Outlets	Pipe Size
QJ363C-1/2-NYB	3	1/2
QJ363C-3/4-NYB	3	3/4
QJ363C-1-NYB	3	1
QJ364C-1/2-NYB	4	1/2
QJ364C-3/4-NYB	4	3/4
QJ364C-1-NYB	4	1
QJ365C-1/2-NYB	5	1/2
QJ365C-3/4-NYB	5	3/4
QJ365C-1-NYB	5	1



HIGH-FLOW QJ NOZZLE BODIES

- Standard and Fertilizer styles available
- Triple outlet turrets on all assemblies

APPLICATIONS:

- High-speed Self-Propelled Machines
- High flow rate Liquid Fertilizer Applications



Part#	Spray Outlets	Pipe Size
QJ383-3/4-NYB	3	3/4
QJ383-1-NYB	3	1

SINGLE NOZZLE BODIES

- Mounts on 1/2", 3/4" or 1" Pipe
- Seals to 3/8" (9.5 mm) Hole Drilled in Pipe or Tube
- 1/2" & 3/4" Sizes Can be Mounted to Flat Surfaces



Part#	Size
QJ7421-3/4-NYB	3/4
QJ7421-1-NYB	1"

DIAPHRAGM NOZZLE BODIES (SINGLE)

- Mounts on 1/2", 3/4" or 1" Pipe
- Seals to 3/8" (9.5 mm) Hole Drilled in Pipe or Tube
- Includes ChemSaver Diaphragm Check Valve for Drip-Free Shut-off (Opens at 10 PSI).



Part#	Size
QJ17560A-1/2-NYB	1/2
QJ17560A-3/4-NYB	3/4
QJ17560A-1-NYB	1

DIAPHRAGM NOZZLE BODIES (TRIPLE)

- Mounts on 1/2", 3/4" or 1" Pipe
- Seals to 3/8" (9.5 mm) Hole Drilled in Pipe or Tube
- Positive Shut-off Between Each Spray Position
- Includes ChemSaver Diaphragm Check Valve for Drip-Free Shut-off (Opens at 10 PSI).



Part#	Size
24216A-1/2-NYB	1/2
24216A-3/4-NYB	3/4
24216A-1-NYB	1

RAPID STOP

- Evacuates air trapped in booms
- Improves boom start times
- Reduces boom shut-off times
- Does NOT require boom re-design



Part#	Description
CP98583-1-1/2-SS	1/2" Rapid Stop ADP for QJ360C Series
CP98583-1-1-SS	1" Rapid Stop ADP for QJ360C Series
CP98583-1-3/4-SS	3/4" Rapid Stop ADP for QJ360C Series

RETROFIT SEAL (VITON)

- Replaces John Deere factory supplied bodies
- Fits existing booms with 11/16" holes



Part#	Description
CP98488-VI	Retrofit Seal for large hole wet booms

MANUAL DIAPHRAGM SHUTOFF



Part#	Description
58140-NYB	Chemsaver Manual Shutoff

BOOM COMPONENTS

BOOM CLAMPS



	Part#	Size
Standard Round	AA111-1/2	1/2
	AA111-3/4	3/4
	AA111-1	1
	AA111-11/4	1 1/4
Standard Square	AA111SQ-1	1
	AA111SQ-11/4	1 1/4
	AA111SQ-11/2	1 1/2
Quicklet Round	QJ111-1/2	1/2
	QJ111-3/4	3/4
	QJ111-1	1
	QJ111-11/4	1 1/4
Quicklet Square	QJ111SQ-3/4	3/4
	QJ111SQ-1	1
	QJ111SQ-11/4	1 1/4
	QJ111SQ-11/2	1 1/2

OLD STYLE THREADED NOZZLE BODIES



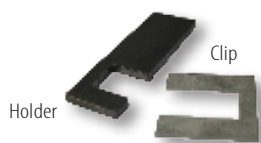
Part#	Description
8120-NYB-406TD	3/8 Nylon Tee
8120-NYB-540TD	1/2 Nylon Tee
8121-NYB-406TD	3/8 Nylon Elbow
8121-NYB-540TD	1/2 Nylon Elbow
8124-NYB-406TD	3/8 Nylon Cross
8124-NYB-540TD	1/2 Nylon Cross
CP8027-NYB	Nylon Cap
CP1325	Brass Cap
8023NYB	Nylon Nut

SWIVEL BODY ASSEMBLIES



Part#	Description
QJ8600-1/4NYB	Single Swivel
QJ8600-2-1/4NYB	Double Swivel

NOZZLE CLIP/HOLDER



Part#
NOZZLE CLIP
CHS1070

NOZZLE HOSE DROPS

- Connect to Standard and Quick TeeJet Nozzle Bodies
- Can be used with swivels



Part#	Length	Description
21353-6-15-NYB	15"	Quick TeeJet Type
21353-6-24-NYB	24"	Quick TeeJet Type

ADAPTERS



- Adapts all Quick TeeJet parts to 1/8" or 1/4" NPT
- Includes ChemSaver Diaphragm Check Valve for Drip-Free Shut-off (Opens at 10 PSI).
- Standard Diaphragm is EPDM (Viton Optional)

Part#	Size
QJ8355-1/8-NYB	1/8 FNPT
QJ8355-1/4-NYB	1/4 FNPT
8360NYB	1/4 MNPT
QJT8360-NYB	11/16" 16 TeeJet Thread
CP20266EPDM	Gasket

STRAINERS/CHECK VALVES

Part#	Mesh
8079PP24	24
8079PP50	50
8079PP80	80
8079PP100	100
8079PP200	200
4193B-PP-10-100SS	100

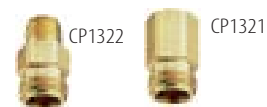


8079



4193

INLET CONNECTORS



Part#	Material	Size
CP1322	BRASS	1/4
QJ1/4TT-NYB	NYLON	1/4
CP1321	BRASS	1/4
QJ1/4T-NYB	NYLON	1/4



40352



40353



40354



40311



40312



40313



40621



40622



40623



40661



40662



40663

COMBO-JET SYSTEM

Part#	Description
DRY BOOM	
40352-00	Combo-Jet Sq. Mt. Dry Boom – Single with Diaphragm
40353-00	Combo-Jet Sq. Mt. Dry Boom – Double Swivel with Diaphragm
40354-00	Combo-Jet Sq. Mt. Dry Boom – Triple Swivel with Diaphragm
40301-00	Hose Shank Adapter – 3/8" One Way
40302-00	Hose Shank Adapter – 3/8" Two Way
40306-00	Hose Shank Adapter – 1/2" One Way
40307-00	Hose Shank Adapter – 1/2" Two Way
40311-00	Hose Shank Adapter – 3/4" One Way
40312-00	Hose Shank Adapter – 3/4" Two Way
40313-00	Hose Shank Adapter – 3/4" Three Way

COMBO-JET OUTLET NOZZLES

Part#	Description
WET BOOM	
40621-00	Wilger 1" Wet Boom Nozzle Body Assembly Single Combo Jet Outlet with Bolt Mount
40622-00	Wilger 1" Wet Boom Nozzle Body Assembly Dual Combo Jet Outlet with Bolt Mount
40623-00	Wilger 1" Wet Boom Nozzle Body Assembly Triple Combo Jet Outlet with Bolt Mount

SQUARE LUG OUTLET NOZZLE BODIES

Part#	Description
WET BOOM	
40661-00	Wilger 1" Wet Boom Nozzle Body Assembly Single Square Lug Outlet with Bolt Mount
40662-00	Wilger 1" Wet Boom Nozzle Body Assembly Dual Square Lug Outlet with Bolt Mount
40663-00	Wilger 1" Wet Boom Nozzle Body Assembly Triple Square Lug Outlet with Bolt Mount

Part#	Description
41437-00	Combo-Rate II INTGL Saddle/Body Blended Pulse 1" 1 Way 3/8" Inlet Bolt Mount
40155-23	Molded Diaphragm Plus Pad O-Ring, FKM

BOOM COMPONENTS



41110

41111

41136

COMBO-RATE SYSTEM

Part#	Description
MANUAL ON/OFF DIAPHRAGM NOZZLE BODIES	
41110-00	Combo-Rate Thru Diaphragm Body Assembly Manual On/Off
41111-00	Combo-Rate End Diaphragm Body Assembly Manual On/Off
CAPSTAN BLENDED PULSE NOZZLE BODIES	
41136-00	Combo-Rate End Body Assembly for Capstan (without nut)
SQ. MT. EXTRA HIGH REACH DRY BOOM	
40342-00	Dry Boom Clamp Assembly 1 1/2" - 2 sq. and Rd. Tube

WET BOOM BODIES



41200



25176-V0

41402-V0

Part#	Description
COMBO-RATE SIDE INLET SADDLES	
41203-00	Wet Boom Saddle Assembly 1/2" Pipe, 3/8" Inlet
41200-00	Wet Boom Saddle Assembly 1" Pipe, 3/8" Inlet
COMBO-JET & SQUARE LUG ADAPTERS	
40203-00	Combo-Jet To Square Lug Adapter
WILGER BOOM END FLUSH VALVES	
25176-V0	Quick Nut Boom End Flush Valve 1" FPT
41402-V0	Thin Wall Steel Boom End Flush Valve For Case 1.315" Od Pipe
25175-10	Boom End Valve Replacement Dust Cap
25160-V4	O-Ring For Wilger Boom End Flush Valve
25175-11	Boom End Flush Valve Repair Kit (2 Valves) Viton

COMBO-JET SPRAY TIPS



MR TIP

- The MR series Wilger's 2nd stage drift reduction series, producing great coverage, with very significant drift reduction.
- Cap reduces 75% of driftable fines
- Ideal for applications which require good coverage, but require high levels of drift reduction. (i.e. Systemic Herbicides)

Nozzle Number

MR110-*

* Specify Opening Size Below

02 03 04 05 06 08 10



UR TIP

- The UR series is Wilger's newest 4th stage drift reduction series, emphasizing coarse spray for ultimately low drift.
- The UR series was developed for applications that have very low tolerance for spray particle drift, minimizing off-target spray movement.
- Ideal for applications which value drift reduction over coverage. Typically coverage is maintained by using higher application volumes. (i.e. Ground-Applied & Systemic Herbicides)

Nozzle Number

UR110-*

* Specify Opening Size Below

02 03 04 05 06 08 10



BANJO Y-LINE STRAINERS



LS100-80



MLS300-50



LS250

SCREENS

MESH SIZE	OLD RIB COLOR	NEW RIB COLOR
6 MESH	WHITE	WHITE
12 MESH	BLACK	BLACK
20 MESH	BEIGE	BEIGE
30 MESH	YELLOW	FLAME RED
40 MESH	BROWN	BROWN
50 MESH	RED	GENTIAN BLUE
80 MESH	BLUE	ZINC YELLOW
100 MESH	GREEN	TRAFFIC GREEN
120 MESH	BLACK	BLACK

	Part#	Size	Mesh
1"	LS100-40	1	40
	LS125-40	1 ¼"	40
1 ¼"	LS125-80	1 ¼"	80
	LS150-30	1 ½"	30
1 ½"	LS150-50	1 ½"	50
	LS150-80	1 ½"	80
	LS200-12	2"	12
2"	LS200-20	2"	20
	LS200-50	2"	50
	LS200-80	2"	80
	LS200-120	2"	120
2 ½"	MLS200-50	2"	50
	MLS222-50	2"	50
3"	MLS300-50	3"	50

BANJO Y-LINE STRAINER PARTS

Part#	Description
LS100-G	3/4" & 1" Strainer Gasket
LS150-G	Strainer Gasket - 1 ½" and 2" Strainers
12777	1/2" Drain Plug - 1" and 1 ¼" Strainers
LSQ200PL	1" Drain Plug - 1 ½" and 2" Strainers
UV15163	O-ring for Drain Plug - 1" and 1 ¼" Strainer
LSQ200R	O-ring for Drain Plug - 1 ½" and 2" Strainers
LS740	40 Mesh Screen - ½" and ¾" Strainers
LS780	80 Mesh Screen - ½" and ¾" Strainers
LS140	40 Mesh Screen - 1" and 1 ¼" Strainers
LS180	80 Mesh Screen - 1" and 1 ¼" Strainers
LS220	20 Mesh Screen - 1 ½" and 2" Strainers
LS230	30 Mesh Screen - 1 ½" and 2" Strainers
LS250	50 Mesh Screen - 1 ½" and 2" Strainers
LS280	80 Mesh Screen - 1 ½" and 2" Strainers
LS320	20 SS Mesh Screen for MLS300 Strainer
LS350	50 SS Mesh Screen for 3" Manifold Strainer
LST230SS	30 SS Mesh Screen for 2" T Strainer
LST250SS	50 SS Mesh Screen for 2" T Strainer
MLS250SS	50 SS Mesh Perforated Screen

BOOM COMPONENTS



BANJO T-LINE STRAINERS



3/4" MINI T STRAINER



3/4" & 1"



1 1/4" & 1 1/2"



LST100

SCREENS		
MESH SIZE	OLD RIB COLOR	NEW RIB COLOR
6 MESH	WHITE	WHITE
12 MESH	BLACK	BLACK
20 MESH	BEIGE	BEIGE
30 MESH	YELLOW	FLAME RED
40 MESH	BROWN	BROWN
50 MESH	RED	GENTIAN BLUE
80 MESH	BLUE	ZINC YELLOW
100 MESH	GREEN	TRAFFIC GREEN
120 MESH	BLACK	BLACK

	Part#	Size	Mesh
3/4"	LSTM075-50	3/4"	50
	LST075-30	3/4"	30
	LST075-50	3/4"	50
	LST075-80	3/4"	80
	LST075-100	3/4"	100
1"	LST100-30	1"	30
	LST100-50	1"	50
	LST100-80	1"	80
	LST100-100	1"	100
1 1/4"	LST125-30	1 1/4"	30
	LST125-50	1 1/4"	50
	LST125-80	1 1/4"	80
	LST125-100	1 1/4"	100
1 1/2"	LST150-30	1 1/2"	30
	LST150-50	1 1/2"	50
	LST150-80	1 1/2"	80
	LST150-100	1 1/2"	100

BANJO T-LINE STRAINER PARTS

Part#	Description
LSTM050G	EPDM Gasket for Mini T-Strainer
LST100-G	3/4" & 1" Strainer Gasket
12777	1/2" Drain Plug - 1" and 1 1/4" Strainers
UV15163	O-ring for Drain Plug - 1" and 1 1/4" Strainer
LST130	30 Mesh Screen - 3/4" and 1" Strainer
LST150	50 Mesh Screen - 3/4" and 1" Strainer
LST180	80 Mesh Screen - 3/4" and 1" Strainer
LST1100	100 Mesh Screen - 3/4" and 1" Strainer
LST150-G	T-Line Strainer Gaskets - 1 1/4" and 1 1/2" Strainers
LSQ200PL	1" Drain Plug - 1 1/2" and 2" Strainers
LSQ200R	O-ring for Drain Plug - 1 1/2" and 2" Strainers
LST1530	30 Mesh Screen - 1 1/4" and 1 1/2" Strainers
LST1550	50 Mesh Screen - 1 1/4" and 1 1/2" Strainers
LST1580	80 Mesh Screen - 1 1/4" and 1 1/2" Strainers
LST15100	100 Mesh Screen - 1 1/4" and 1 1/2" Strainers



TEEJET T-LINE STRAINERS



Part#	Pipe/Flange Connection	APPROXIMATE FLOW RATE WITH 5 PSI (0.34 bar) PRESSURE DROP IN GPM (l/min)
AA122-1/2-PP-*	1/2"	12 (45)
AA122-ML-1/2-PP-50	1/2"	12 (45)
AA126ML-F50-*	50 Series Flange	35 (132)
AA126ML-3-*	3/4"	23 (87)
AA126ML-4-*	1"	35 (132)
AA126ML-F75-*	75 Series Flange	77 (291)

Screen	
Mesh	Part#
50	CP45102-3-SSPP
80	CP45102-4-SSPP
100	CP45102-5-SSPP
50	CP16903-4-SSPP
80	CP16903-5-SSPP
100	CP16903-6-SSPP
30	CP15941-2-SSPP
50	CP15941-3-SSPP
80	CP15941-4-SSPP
100	CP15941-5-SSPP



HYPRO T-LINE STRAINERS



Part#	Mesh	Size	Replacement Screens	Replacement Gaskets
3350-0043A	80	1/2"	3800-0026	1700-0091
3350-0034A	50	3/4"	3800-0025	1700-0092
3350-0035A	80	3/4"	3800-0026	
3350-0058A	50	1"	3800-0041	
3350-0059A	80	1"	3800-0042	
3350-0072A	50	1 1/4"	3800-0044	
3350-0113A	50	1 1/2"	3800-0066	

TeeJet BROADCAST SPRAY NOZZLES

TP - TEEJET

Flat Spray 80° / 110°

BENEFIT: ALL AROUND SPRAYING



- Tapered edge flat spray pattern for uniform coverage in broadcast spraying.
- 30–60 psi

Nozzle Number	Material
---------------	----------

TP80*VP	Polymer
---------	---------

TP80*VS	Polymer / SS
---------	--------------

* Specify Opening Size Below

01	015	02	03	04	05	06
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TT - TURBO TEEJET

Wide Angle Flat Spray 110°

BENEFIT: LOW DRIFT



- 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.



- Larger droplets for less drift—15–90 PSI (1–6 bar).
- Automatic spray alignment with 25612-*—NYR Quick TeeJet® cap and gasket.

Nozzle Number	Material
---------------	----------

TT110*VP	Polymer
----------	---------

* Specify Opening Size Below

01	015	02	025	03	04	05	06	08
----	-----	----	-----	----	----	----	----	----

TTJ - TURBO TWINJET

Twin Flat Spray 110°

BENEFIT: FUNGICIDE APPLICATION



- 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 is 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.
- Ideal for use with automatic sprayer controllers.
- 20–90 psi

Nozzle Number	Material
---------------	----------

TTJ60-110*VP	Polymer
--------------	---------

* Specify Opening Size Below

02	025	03	04	05	06
----	-----	----	----	----	----

TTI - TURBO TEEJET INDUCTION

Flat Spray 110°

BENEFIT: VERY LOW DRIFT / COARSE DROPLETS



- 110° wide angle, air induction, tapered flat spray tip pattern.
- Patented orifice design (based on the original Turbo TeeJet®) 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.
- Removable pre-orifice.
- Ideal for use with automatic sprayer controllers.
- Wide operating pressure range: 15–100 PSI (1–7 bar).

Nozzle Number	Material
---------------	----------

TTI110*VP	Polymer
-----------	---------

* Specify Opening Size Below

015	02	025	03	04	05	06
-----	----	-----	----	----	----	----

XR/XRC - TEEJET

Extended Range Flat Spray 80° / 110°

BENEFIT: ALL AROUND SPRAYING / LONG LIFE



XR



XRC

- 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.
- Larger droplets for less drift—15–60 PSI (1–4 bar).
- Automatic spray alignment with 25612-*—NYR Quick TeeJet® cap and gasket.

Nozzle Number	Material
---------------	----------

XR110*VP	Polymer
----------	---------

XR80*VS	SS
---------	----

XRC110*VK	Ceramic
-----------	---------

XRC80*VS	SS
----------	----

* Specify Opening Size Below

01	015	02	025	03	04	05	06	08
----	-----	----	-----	----	----	----	----	----

AIXR - TEEJET

Air Induction XR Flat Spray 110°

BENEFIT: LOW DRIFT



- 110° wide, tapered flat spray angle with air induction technology to manage drift.
- Made of a two-piece polymer construction with VisiFlo® color-coding.
- Depending on the chemical, produces large air-filled drops through a Venturi air aspirator.
- Removable pre-orifice.
- 15–90 psi

Nozzle Number	Material
---------------	----------

AIXR110*VP	Polymer
------------	---------

* Specify Opening Size Below

015	02	025	03	04	05	06
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SEE PAGE 94 FOR AN APPLICATION CHART!

SEE PAGE 94 FOR AN APPLICATION CHART!

TeeJet BROADCAST SPRAY NOZZLES

AI3070 Air Induction Dual Pattern
Flat Spray 30° Forward / 70° Backward



BENEFIT: LOW DRIFT / SUPER COVERAGE

- 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
- Suggested spray pressure range of 20 to 90 PSI (1.5 - 6 bar)



Nozzle Number	Material
AI3070*VP	Polymer

* Specify Opening Size Below

015	02	025	03	04	05
-----	----	-----	----	----	----

AI/AIC - TEEJET

Air Induction Flat Spray 110°



BENEFIT: LOW DRIFT / LONG LIFE

- 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.
- Recommended pressure rating is 30–100 PSI (2–8 bar).
- Depending on the chemical, produces large air-filled drops through the use of a Venturi air aspirator.

AI
AIC

Nozzle Number	Material
AI110*VS	SS
AIC110*VP	Polymer
AIC110*VS	SS

* Specify Opening Size Below

015	02	025	03	04	05	06	08
-----	----	-----	----	----	----	----	----

TJ60 - TWINJET

Twin Flat Spray 80° / 110°

BENEFIT: FUNGICIDE APPLICATION



- Penetrates crop residue or dense foliage.
- Smaller droplets for thorough coverage.
- Better spray distribution along boom than hollow cone nozzles.
- Recommended pressure rating is 30–60 PSI (2–4 bar).

Nozzle Number	Material
TJ6080*VS	SS / Polymer

* Specify Opening Size Below

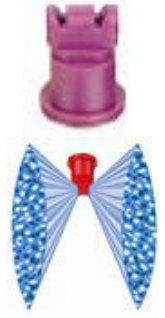
01	02	03	04	05	06	08	10
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SEE PAGE 94 FOR AN APPLICATION CHART!

AITTJ60

Air Induction with Dual 110° Flat Fan Patterns

BENEFIT: POSTEMERGENCE APPLICATIONS



- 60° between leading and trailing spray patterns
- Good coverage with increased canopy penetration and best drift control
- Large, round, free passages minimize clogging
- Pressure ranges from 20–90 PSI (1.5–6 bar)

Nozzle Number	Material
AITTJ60-110*VP	Polymer

* Specify Opening Size Below

02	025	03	04	05	06	08	10	15
----	-----	----	----	----	----	----	----	----

OC - TEEJET

Off-Center Flat Spray

BENEFIT: BOOM END COVERAGE



- Commonly installed in double and single swivel nozzle bodies.
- Adjustable for angular position, providing a wide spray swath.

Nozzle Number	Material
OC*	Brass

OCSS*

* Specify Opening Size Below

01	015	02	025	03	04	05	06
----	-----	----	-----	----	----	----	----

TK - FLOODJET

Wide Angle Flat Spray

BENEFIT: PRE-PLANT APPLICATION

- Used in High-Volume Applications



Nozzle Number	Material
TKSS*	SS

TKVS*

* Specify Opening Size Below

2	2.5	3	4	5	7.5	10
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TeeJet BANDING SPRAY NOZZLES

TP - TEEJET

Even Flat Spray 80° / 95°

SEE PAGE 74 FOR DROP NOZZLE TUBES



- Ideal for banding over the row or in row middles.
- Provides uniform distribution throughout the flat spray pattern.
- Easily mounted on spray boom or planter.
- 20–60 psi

Nozzle Number	Material
TP80*EVS	Polymer / SS

* Specify Opening Size Below

01	015	02	03	04	05	06	08
----	-----	----	----	----	----	----	----

BOOM COMPONENTS

BOOM COMPONENTS

FERTILIZER NOZZLES

* Specify Opening Size Above

Nozzle Number	Material	015	02	03	05	06	08	10
SJ3A-*-VP	Polymer							

TeeJet



SJ-3 STREAMJET

SJ-3 Fertilizer Nozzles

- Three solid streams of equal velocity and capacity.
- Removable metering orifice for easy cleaning.
- All acetal construction for excellent chemical resistance.
- Recommended operating pressure: 20–60 PSI (1.5–4 bar).

LOOKING FOR DROP NOZZLE TUBES?
SEE PAGE 78

Nozzle	PSI	CAPACITY ONE NOZZLE IN GPM	GPA											
			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	
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	21.5	15.6	12.5	10.4	7.8	6.2	5.2	4.5	3.9	3.5	3.1	
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	
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	
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	
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	
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	
SJ3-10-VP	20	0.94	93	70	56	47	35	28	23	19.9	17.4	15.5	14.0	
	30	1.11	110	82	66	55	41	33	27	24	21	18.3	16.5	
	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	
SJ3-15-VP	20	1.19	118	88	71	59	44	35	29	25	22	19.6	17.7	
	30	1.24	123	92	74	59	47	37	29	25	21	18.4	16.3	
	40	1.24	123	92	74	59	46	37	31	26	23	20	18.4	
	50	1.50	149	111	89	74	56	45	37	32	28	25	22	
SJ3-20-VP	20	1.68	166	125	100	83	62	50	42	36	31	28	25	
	30	1.83	181	136	109	91	68	54	45	39	34	30	27	
	40	1.41	140	105	84	70	52	42	35	30	26	23	21	
	50	1.75	173	130	104	87	65	52	43	37	32	29	26	

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).

* Specify Opening Size Above

Nozzle Number	Material	015	02	03	05	06	08	10
SJ7A-*-VP	Polymer							



SJ-7 STREAMJET

SJ-7 Fertilizer Nozzles

- Creates seven identical fluid streams of equal velocity and capacity.
- Excellent spray distribution quality.
- Removable metering orifice for easy cleaning.
- All acetal construction for excellent chemical resistance.
- Recommended operating pressure: 20–60 PSI (1.5–4 bar).

Nozzle	PSI	CAPACITY ONE NOZZLE IN GPM	GPA											
			3 MPH	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH	
SJ7-015-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	
SJ7-02-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	21.5	15.6	12.5	10.4	7.8	6.2	5.2	4.5	3.9	3.5	3.1	
SJ7-03-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	
SJ7-04-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	
SJ7-05-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	
SJ7-06-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	
SJ7-08-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	
SJ7-10-VP	20	0.94	93	70	56	47	35	28	23	19.9	17.4	15.5	14.0	
	30	1.11	110	82	66	55	41	33	27	24	21	18.3	16.5	
	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	
SJ7-15-VP	20	1.19	118	88	71	59	44	35	29	25	22	19.6	17.7	
	30	1.24	123	92	74	59	47	37	29	25	21	18.4	16.3	
	40	1.24	123	92	74	59	46	37	31	26	23	20	18.4	
	50	1.50	149	111	89	74	56	45	37	32	28	25	22	
SJ7-20-VP	20	1.68	166	125	100	83	62	50	42	36	31	28	25	
	30	1.83	181	136	109	91	68	54	45	39	34	30	27	
	40	1.41	140	105	84	70	52	42	35	30	26	23	21	
	50	1.75	173	130	104	87	65	52	43	37	32	29	26	

Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).

TeeJet QUICK TEEJET CAPS

Color Code



Ordering Information

QUICK TEEJET CAPS	PART NUMBER	FOR USE WITH FLAT SPRAY TIPS 300 PSI (20bar) MAXIMUM PRESSURE
	QUICK TEEJET CAP ONLY	
	CP114440- * -CE	TeeJet® Flat Spray Tips (Smaller Capacities) TP Standard -0067 Thru -08, XR -01 Thru -08, DG TeeJet*, TT, TTJ60 Turbo TwinJet, AI XR TeeJet*, OC TeeJet
	CP114440- 9 -CE††	
	CP25609- * -NY	TeeJet Flat Spray Tips (Larger Capacities) TP Standard -10 Thru -20, XR -10 Thru -15
	CP114442- * -CE	TJ60 TwinJet*, AI TeeJet and AIUB TeeJet, SJ3 StreamJet, DG TwinJet*, Turbo TeeJet Induction*, AITTJ60 Turbo TwinJet (02-06)
	CP98578-1-NY†	AI3070, AITTJ60 Turbo TwinJet (08-15)
	CP25599- * -NY	Turbo FloodJet* (VisiFlo® Spray Tip), TK-VS FloodJet* (VisiFlo Spray Tip), TK-VP FloodJet* (Locating Nib, VisiFlo Spray Tip)
	CP114444- * -CE	TK FloodJet*, FL FullJet*, TX/TXA ConeJet*, TG Full Cone, Hose Shank, AITXA ConeJet
	CP114444- 9 -CE††	
	CP25607- * -NY	D-Disc, Core, Seal, Core, CP18999-EPR (EPDM standard), CP18999-VI (Viton® optional), Used with DC-Core Inserts and CP4916 Flow Regulators (Insert Core into Seal)
	CP26277-1-NY †	Ceramic Disc-Core, D-Disc, Core, TXB ConeJet*, AITXB ConeJet
	114447-1-CELR†	Dust Cap with O-ring

*Specify color code (see chart). Violet (10) only available in CP25611 and CP25597 Nylon caps.

†These Quick TeeJet caps available only in black.

††Polypropylene Quick TeeJet caps available only in gray and rated to 150 PSI (10 bar). Nylon caps not available in gray.

Quick TeeJet Cap



CP19438-EPR (EPDM Standard)
CP19438-VI (Viton Optional)

The Quick TeeJet caps are designed with grooves that fit locating lugs on the nozzle body. Caps are made of Nylon and are available for use with all TeeJet® spray tips. Maximum operating pressure of 300 PSI (20 bar).

How to order:

For cap and seat gasket set, specify set number and color code.
Example: 25612-3-NYR

For cap only, specify part number and color code.
Example: CP25597-4-NY






For seat gasket, specify part number.
Example: CP19438-EPR

Part#	Part#
CP114440A-CE-*	QJ4676-45-1/4-NYR
CP114442A-CE-*	QJ4676-90-1/4-NYR
CP25599-NY-*	QJ4676-1/8-NYR
CP114444A-CE-*	QJ4676-1/4-NYR
CP26277-NY-*	114447A-1-CELR
	CP19438-EPR
	CP19438-VI

BOOM COMPONENTS



SPRAY NOZZLES

	PSI	    					GPM	GALLONS PER ACRE BASED ON 20" NOZZLE SPACING											
		AM	TDXL	TDXL-D	TADF	TADF-D		4 MPH	5 MPH	6 MPH	7 MPH	8 MPH	9 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH
AM11002 TDXL11002 TDXL11002-D TADF02 TADF02-D	15	C	VC		C	M	0.12	9.1	7.3	6.1	5.2	4.5	4.0	3.6	3.0	2.6	2.3	2.0	1.8
	20	C	VC		C	M	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	C	VC	UC	C	M	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	M	C	XC	C	M	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	M	C	XC	C	M	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	M	C	XC	C	M	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
	70	M	C	XC	C	M	0.26	19.6	15.7	13.1	11.2	9.8	8.7	7.9	6.5	5.6	4.9	4.4	3.9
80	M	C	XC	C	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	
90	M	C	XC	C	M	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	
100	M	C	XC	C	M	0.32	23.5	18.8	15.7	13.4	11.7	10.4	9.4	7.8	6.7	5.9	5.2	4.7	
120	M	C	XC	C	M	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	
AM110025 TDXL110025 TDXL110025-D TADF025 TADF025-D	15	VC	XC		VC	C	0.15	11.4	9.1	7.6	6.5	5.7	5.1	4.5	3.8	3.2	2.8	2.5	2.3
	20	VC	XC		VC	C	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	VC	XC	UC	VC	C	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	VC	XC	UC	VC	C	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	M	C	XC	C	M	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	M	C	XC	C	M	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
	70	M	C	XC	C	M	0.33	24.6	19.6	16.4	14.0	12.3	10.9	9.8	8.2	7.0	6.1	5.5	4.9
80	M	C	XC	C	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	
90	M	C	XC	C	M	0.38	27.8	22.3	18.6	15.9	13.9	12.4	11.1	9.3	8.0	7.0	6.2	5.6	
100	M	C	XC	C	M	0.40	29.3	23.5	19.6	16.8	14.7	13.0	11.7	9.8	8.4	7.3	6.5	5.9	
120	M	C	XC	C	M	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	
AM11003 TDXL11003 TDXL11003-D TADF03 TADF03-D	15	XC	VC		VC	C	0.18	13.6	10.9	9.1	7.8	6.8	6.1	5.5	4.5	3.9	3.4	3.0	2.7
	20	VC	XC		VC	C	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	VC	XC	UC	VC	C	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	C	VC	UC	C	M	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	C	C	XC	C	M	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	M	C	XC	C	M	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
	70	M	C	XC	C	M	0.40	29.5	23.6	19.6	16.8	14.7	13.1	11.8	9.8	8.4	7.4	6.5	5.9
80	M	C	XC	C	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	
90	M	C	XC	C	M	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	
100	M	C	XC	C	M	0.47	35.2	28.2	23.5	20.1	17.6	15.7	14.1	11.7	10.1	8.8	7.8	7.0	
120	M	C	XC	C	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	
AM11004 TDXL11004 TDXL11004-D TADF04 TADF04-D	15	XC	VC		VC	C	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
	20	VC	XC		VC	C	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	VC	XC	UC	VC	C	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	C	VC	UC	C	M	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	C	C	XC	C	M	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	M	C	XC	C	M	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
	70	M	C	XC	C	M	0.53	39.3	31.4	26.2	22.5	19.6	17.5	15.7	13.1	11.2	9.8	8.7	7.9
80	M	C	XC	C	M	0.57	42.0	33.6	28.0	24.0	21.0	18.7	16.8	14.0	12.0	10.5	9.3	8.4	
90	M	C	XC	C	M	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	
100	M	C	XC	C	M	0.63	47.0	37.6	31.3	26.8	23.5	20.9	18.8	15.7	13.4	11.7	10.4	9.4	
120	M	C	XC	C	M	0.69	51.4	41.2	34.3	29.4	25.7	22.9	20.6	17.1	14.7	12.9	11.4	10.3	
AM11005 TDXL11005 TDXL11005-D TADF05 TADF05-D	15	XC	VC		VC	C	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
	20	VC	XC		VC	C	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	VC	XC	UC	VC	C	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	C	VC	UC	C	M	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	C	C	XC	C	M	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	C	VC	UC	C	M	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
	70	M	C	XC	C	M	0.66	49.1	39.3	32.7	28.1	24.6	21.8	19.6	16.4	14.0	12.3	10.9	9.8
80	M	C	XC	C	M	0.71	52.5	42.0	35.0	30.0	26.3	23.3	21.0	17.5	15.0	13.1	11.7	10.5	
90	M	C	XC	C	M	0.75	55.7	44.6	37.1	31.8	27.8	24.8	22.3	18.6	15.9	13.9	12.4	11.1	
100	M	C	XC	C	M	0.79	58.7	47.0	39.1	33.5	29.3	26.1	23.5	19.6	16.8	14.7	13.0	11.7	
120	M	C	XC	C	M	0.87	64.3	51.4	42.9	36.7	32.2	28.6	25.7	21.4	18.4	16.1	14.3	12.9	
AM11006 TDXL11006 TDXL11006-D TADF06 TADF06-D	15	XC	VC		VC	C	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
	20	VC	XC		VC	C	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	VC	XC	UC	VC	C	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	C	VC	UC	C	M	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	C	C	XC	C	M	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	C	VC	UC	C	M	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
	70	M	VC	UC	C	M	0.79	58.9	47.1	39.3	33.7	29.5	26.2	23.6	19.6	16.8	14.7	13.1	11.8
80	M	C	XC	C	M	0.85	63.0	50.4	42.0	36.0	31.5	28.0	25.2	21.0	18.0	15.8	14.0	12.6	
90	M	C	XC	C	M	0.90	66.8	53.5	44.6	38.2	33.4	29.7	26.7	22.3	19.1	16.7	14.9	13.4	
100	M	C	XC	C	M	0.95	70.4	56.4	47.0	40.3	35.2	31.3	28.2	23.5	20.1	17.6	15.7	14.1	
120	M	C	XC	C	M	1.04	77.2	61.7	51.4	44.1	38.6	34.3	30.9	25.7	22.0	19.3	17.1	15.4	
AM11008 TDXL11008 TDXL11008-D TADF08																			



SPRAY NOZZLES

MEDIUM PRESSURE TURBODROP® XL VENTURI NOZZLE, 110°

Part#	Description
TDXL110*	<ul style="list-style-type: none"> Multi-purpose, medium pressure air injection nozzle. 20-120 psi overall pressure range. 30-90 psi optimal pressure range. 20-30,000 acres estimated life (60' boom, 20" centers).
*Tip Size (01-015 Available)	<ul style="list-style-type: none"> 20-30,000 acres estimated life (60' boom, 20" centers). <p>Polyacetal venturi body with polyacetal SprayMax TipCap nozzle and EPDM seat gasket.</p>

MEDIUM PRESSURE TURBODROP® XL VENTURI NOZZLE - D VERSION

Part#	Description
TDXL110*-D	<ul style="list-style-type: none"> Designed for a coarser droplet with dicamba, 2,4-D, etc. 30-120 psi overall pressure range. 30-90 psi optimal pressure range. 20-30,000 acres estimated life (60' boom, 20" centers).
*Tip Size (01-08 Available)	<ul style="list-style-type: none"> 20-30,000 acres estimated life (60' boom, 20" centers). <p>Polyacetal venturi body with polyacetal SprayMax TipCap nozzle, DIF4 diffuser and EPDM seat gasket.</p>

TURBODROP® ASYMMETRIC DUAL FAN NOZZLE

Part#	Description
TADF*	<ul style="list-style-type: none"> Designed to improve coverage on vertical and angular targets with contact chemicals. 50° rearward spray - 10° forward spray. Medium-Coarse droplets below 80 psi (for most sizes). Medium-Fine droplets above 80 psi (for most sizes).
*Tip Size (01-15 Available)	<ul style="list-style-type: none"> Medium-Coarse droplets below 80 psi (for most sizes). Medium-Fine droplets above 80 psi (for most sizes). <p>Polyacetal venturi body with poly twin cap and poly tips.</p>

TURBODROP® ASYMMETRIC DUAL FAN NOZZLE - D VERSION

Part#	Description
TADF*-D	<ul style="list-style-type: none"> DualFan TurboDrop designed to deliver a slightly coarser spray. 50° rearward spray - 10° forward spray. Coarse-Very Coarse droplets below 70 psi (for most sizes). Coarse-Medium droplets above 70 psi (for most sizes).
*Tip Size (01-08 Available)	<ul style="list-style-type: none"> Coarse-Very Coarse droplets below 70 psi (for most sizes). Coarse-Medium droplets above 70 psi (for most sizes). <p>Polyacetal venturi body with poly twin cap and poly tips</p>

BOOM COMPONENTS

TeeJet XP - BOOMJET | Boomless Flat Spray Nozzles

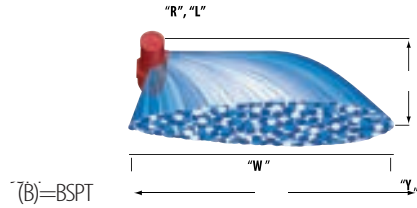
NPT or BSPT (male) threads for easy installation.



10 20 25 40 80

* Specify Opening Size Below

Nozzle Number	Material
1/4XP*R-VP	Acetal
1/2XP*R-VP	Acetal



PSI	DROP SIZE	CAPACITY ONE NOZZLE IN GPM	SPRAY WIDTH "W" (FEET)		HEIGHT "Y" = 24"										HEIGHT "Y" = 36"									
			24" HEIGHT	36" HEIGHT	GPA FOR ONE NOZZLE					GALLONS PER 1000 SQ. FT.					GPA FOR ONE NOZZLE					GALLONS PER 1000 SQ. FT.				
					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	20 UC	0.71	8.5	10.0	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
(B)1/4XP10L	30 UC	0.87	10.0	11.0	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 UC	1.00	11.0	12.5	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 UC	1.12	12.5	13.5	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 UC	1.22	13.0	14.5	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	20 UC	1.42	9.0	11.0	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
(B)1/4XP20L	30 UC	1.75	11.5	12.0	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 UC	2.00	13.5	14.0	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 UC	2.25	14.5	15.0	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 UC	2.50	15.0	16.0	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	20 UC	1.74	10.5	11.0	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
(B)1/4XP25L	30 UC	2.13	12.0	13.5	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 UC	2.50	13.5	14.5	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 UC	2.75	14.5	15.0	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 UC	3.00	15.0	16.0	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	20 UC	2.87	11.0	12.0	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
(B)1/2XP40L	30 UC	3.53	13.0	14.5	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 UC	4.00	14.0	15.5	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 UC	4.55	15.0	16.0	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 UC	5.00	16.0	17.5	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	20 UC	5.60	13.0	15.5	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
(B)1/2XP80L	30 UC	6.83	15.0	16.5	56	38	28	23	15.0	11.3	2.6	1.7	1.3	1.0	51	34	26	20	13.7	10.2	2.3	1.6	1.2	0.94
	40 UC	8.00	16.0	17.5	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 UC	8.73	16.5	18.0	65	44	33	26	17.5	13.1	3.0	2.0	1.5	1.2	60	40	30	24	16.0	12.0	2.7	1.8	1.4	1.1
	60 UC	9.60	17.5	18.5	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). Application rates are identical for a two-tip setup. Swath width and flow capacity will be doubled for a two-tip setup.

BOOMJET | Boomless Nozzles



Type 5880 BoomJet nozzle is used for spraying areas not easily accessed with a boom sprayer. It combines two off-center tips and three VeeJet® nozzles to produce an overall wide swath flat spray. The nozzle assembly provides good distribution considering the wide pattern coverage obtained; however, the uniformity is not as good as with a properly operated boom sprayer.* Supplied with one additional 1/49 NPT pipe plug and one blank tip for setting BoomJet to one side only. Also has a 1/49 NPT pressure gauge port.

06 10 20 40

* Specify Opening Size Below

Nozzle Number	Material
5880-3/4-2TOC*	Brass

PSI	GPM	"W" (FEET)	GPA					GALLONS PER 1000 SQ. FT.							
			4 MPH	5 MPH	7.5 MPH	10 MPH	15 MPH	2 MPH	3 MPH	4 MPH	5 MPH				
5880-3/4-2TOC06	6733-OC06	H1/4VV-1506	H1/4VVL-9502 with 50 mesh strainer	20	1.84	33.5	6.8	5.4	3.6	2.7	1.8	0.31	0.21	0.16	0.12
				30	2.25	34	8.2	6.6	4.4	3.3	2.2	0.38	0.25	0.19	0.15
				40	2.60	34.5	9.3	7.5	5.0	3.7	2.5	0.43	0.28	0.21	0.17
5880-3/4-2TOC10	OC10	H1/4U-0508HE	H1/4VVL-11004 with 50 mesh strainer	20	2.83	39.5	8.9	7.1	4.7	3.5	2.4	0.41	0.27	0.20	0.16
				30	3.46	40	10.7	8.6	5.7	4.3	2.9	0.49	0.33	0.25	0.20
				40	4.00	40.5	12.2	9.8	6.5	4.9	3.3	0.56	0.37	0.28	0.22
5880-3/4-2TOC20	OC20	H1/4U-0520HE	H1/4VVL-9506 with 50 mesh strainer	20	6.08	47	16.0	12.8	8.5	6.4	4.3	0.73	0.49	0.37	0.29
				30	7.45	50	18.4	14.8	9.8	7.4	4.9	0.84	0.56	0.42	0.34
				40	8.60	52	20	16.4	10.9	8.2	5.5	0.94	0.62	0.47	0.37
5880-3/4-2TOC40	OC40	H1/4U-0540HE	H1/4U-9510	20	12.0	56	27	21	14.1	10.6	7.1	1.2	0.81	0.61	0.49
				30	14.7	60	30	24	16.2	12.1	8.1	1.4	0.93	0.69	0.56
				40	17.0	63	33	27	17.8	13.4	8.9	1.5	1.0	0.76	0.61

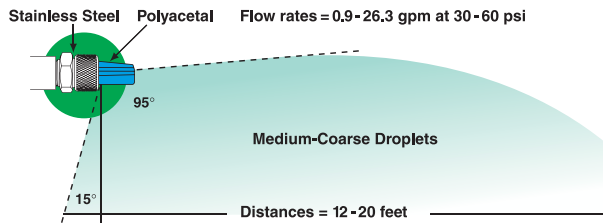
Note: Always double check your application rates. Tabulations are based on spraying water at 70°F (21°C).

HYPRO BOOMLESS SPRAY NOZZLES

XT - BOOM X TENDER | Boomless Spray Tips

The Boom X Tender® is a boomless spray nozzle that is ideal for applications where a conventional boom cannot be used due to obstacles such as, power poles, guardrails, fences, trees, etc.

Standard Pattern



Material
XT010F12
XT020F17
XT024F18
XT043F20
XT080F21

XT020GIOKIT*
* Specify Tip Size

Nozzle Size (MNPT)	Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre at swath shown MPH															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	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16	13			
	40	1.0	9.9	7.9	6.6	5.0	4.0	3.3	2.6	2.0	0.45	0.30	0.23	0.18				
	60	1.1	10.9	8.7	7.3	5.4	4.4	3.6	2.9	2.2	0.50	0.33	0.25	0.20				
15 (1/4")	30	1.3	10.9	8.7	7.3	5.4	4.4	3.6	2.9	2.2	0.53	0.35	0.26	0.21	14			
	40	1.5	12.5	10.0	8.3	6.3	5.0	4.2	3.4	2.5	0.61	0.41	0.30	0.24				
	60	1.7	13.7	11.0	9.2	6.9	5.5	4.6	3.7	2.8	0.67	0.45	0.33	0.27				
20 (1/4")	30	1.7	13.0	10.9	9.0	6.8	5.4	4.5	3.6	2.7	0.62	0.42	0.31	0.25	15			
	40	2.0	16.0	12.8	10.6	8.0	6.4	5.3	4.3	3.2	0.73	0.49	0.37	0.29				
	60	2.2	17.6	14.1	11.7	8.8	7.0	5.9	4.7	3.5	0.81	0.54	0.40	0.32				
24 (1/4")	30	2.1	16.2	13.0	10.8	8.1	6.5	5.4	4.3	3.2	0.75	0.50	0.37	0.30	16			
	40	2.4	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	2.7	20.9	16.7	13.9	10.4	8.4	7.0	5.6	4.2	0.96	0.64	0.48	0.38				
33 (3/8")	30	3.7	31.6	25.3	21.1	15.8	12.6	10.5	8.4	6.3	1.45	0.97	0.72	0.58	14			
	40	4.3	36.7	29.4	24.5	18.3	14.7	12.2	9.8	7.3	1.66	1.12	0.84	0.67				
	60	4.8	41.0	32.8	27.3	20.5	16.4	13.7	10.9	8.2	1.88	1.25	0.94	0.75				
43 (1/2")	30	6.9	66.3	54.6	45.5	34.2	27.3	22.8	18.2	13.7	3.14	2.09	1.57	1.25	13			
	40	8.0	79.2	63.4	52.8	39.6	31.7	26.4	21.1	15.8	3.64	2.42	1.82	1.45				
	60	8.9	88.1	70.5	58.7	44.1	35.2	29.4	23.5	17.6	4.04	2.70	2.02	1.62				
67 (3/4")	30	14.5	128	103	85.4	64.1	51.3	42.7	34.2	25.6	5.88	3.92	2.94	2.35	15			
	40	16.7	148	118	98.4	73.8	59.0	49.2	39.4	29.5	6.78	4.52	3.39	2.71				
	60	18.7	165	132	110	82.6	66.1	55.1	44.1	33.1	7.59	5.06	3.79	3.03				
115 (1 1/4")	30	18.6	144	115	95.9	71.9	57.5	48.0	38.4	28.8	6.60	4.40	3.30	2.64	16			
	40	21.5	166	133	111	83.1	66.5	55.4	44.3	33.3	7.63	5.09	3.82	3.05				
	60	24.0	186	149	124	92.8	74.3	61.9	49.5	37.1	8.52	5.68	4.26	3.41				

Features	
Common Use	Weeds
Pattern	Boomless Fan
Technology	Pre-Orifice
Material	Stainless or Polyacetal
Spray Angle	105°
Pressure Range	30-60 PSI (2-5 BAR)
Configuration	MNPT & FastCap



BOOMINATOR BOOMLESS NOZZLES



Nozzle
UB1160L
UB1160R
UB1165L
UB1165R
UB1250L
UB1250R
UB1400L
UB1400R
UB1870L
UB1870R

1160 RIGHT or LEFT	(1/4" MNPT)			SPEED (MPH)											
	PSI	GPM	PATTERN	2	3	4	5	6	7						
	20	1.0	16 ft.	15.5	10	8	6	5	4.5						
	30	1.2	16 ft.	18.5	12.5	9	7.5	6	5.5						
	40	1.4	16 ft.	21.5	14.5	11	8.5	7	6						
1165 RIGHT or LEFT	(1/4" MNPT)			SPEED (MPH)											
	PSI	GPM	PATTERN	2	3	4	5	6	7	8	9	10	11	12	
	20	1	5 ft.	49.5	33	24.5	20	16.5	14	12	11	10	9	8	
	30	1.2	5 ft.	59.5	39.5	30	23.5	20	17	15	13	12	11	10	
	40	1.4	5 ft.	69.5	46	34.5	27.5	23	20	17	15.5	14	12.5	11.5	
1250 RIGHT or LEFT	(1/4" MNPT)			SPEED (MPH)											
	PSI	GPM	PATTERN	1	2	3	4	5	6	7					
	20	1.5	16 ft.	46	23	16	12	9	8	7					
	30	1.7	16 ft.	53	26	18	13	11	9	8					
	40	2.0	16 ft.	62	31	21	16	12	10	9					
1400 RIGHT or LEFT	(1/4" MNPT)			SPEED (MPH)											
	PSI	GPM	PATTERN	2	3	4	5	6	7	8	9	10	11	12	
	20	1.7	17 ft.	25	17	12	10	8	7	6	5.5	5	4.5	4	
	30	2.0	17 ft.	30	19	15	12	10	8	7	6.5	6	5	4.5	
	40	2.5	17 ft.	36	24	18	15	12	10	9	8	7	6.5	6	
1870 RIGHT or LEFT	(1/4" MNPT)			SPEED (MPH)											
	PSI	GPM	PATTERN	2	3	4	5	6	7	8	9	10	11	12	
	20	3.0	18 ft.	41	28	21	17	14	12	10	9	8	7.5	7	
	30	3.5	18 ft.	48	32	24	19	16	14	12	11	10	9	8	
	40	4.3	18 ft.	59	39	30	24	20	17	15	13	12	11	10	

BOOM COMPONENTS

BROADCAST SPRAY NOZZLES

ULD - ULTRA LOW DRIFT Low Drift 120°

The Ultra Lo-Drift™ 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. 15-115 psi.



Nozzle Number	Material
ULD120*	Plastic
FCULD120*	Plastic

015	02	025	03	04	05
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FCGA - FASTCAP GUARDIANAIR Air-Inducted 110°

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 inducted tip. Those coverage-boosting droplets are delivered at an optimized incline that provides more uniform coverage on the entire plant, front and back.



Nozzle Number	Material
FCGA110*	Plastic

015	02	025	03	035	04	05
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F80 - FANTIP Flat Fan 80°

The FanTip is a general spray tip that produces a mixed droplet spectrum over the 30-60 PSI operational pressure range. It is good for applications of herbicides, fungicides, insecticides and plant growth regulators.



Nozzle Number	Material
F80-*	Plastic

01	015	02	03	04	05	06	08
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BROADCAST / BANDING SPRAY NOZZLES

DT - DEFLECTIP 80°-145°

The DeflecTip produces a wide angled even spray (80° to 145°) making it ideal for banding applications of pre and post-emergent herbicides. When selected as a medium spray, the DeflecTip is good for applying cereal fungicides.



Nozzle Number	Material
DT*	Plastic

.5	.75	1.0	1.5	2.0	2.5	3.0	4.0	5.0	7.5
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SPRAY GUNS



3381-0010

Adjust "On the Fly" Spray Pattern



3381-0021



3381-0043



3381-0043L

Part#	Length	Port (Npt)	Psi
3381-0010	17"	1/2" Inlet	1200
3381-0021	21"	3/8 & 1/2" Hose Barb	60
3381-0043	7 1/4"	3/8" & 1/2" Hose Barb	600
3381-0043L	18"	3/8" & 1/2" Hose Barb	600

SPRAY GUN

- Adjustable Spray Pattern
- Triggerlock for continuous spraying
- Ergonomic Stainless Steel Grip



Part#	Description	Psi
SG-PC-025	Jet Spray Gun	800

LAWN SPRAY GUNS *TeeJet*

- Interchangeable nozzle tips are color-coded for easy identification of tip size.
- Nozzle tips provide a 45° full cone "showerhead" spray pattern.
- Convenient trigger lock for continuous spraying.
- Maximum operating pressure of 200 PSI (14 bar).
- Made of Nylon with Viton® O-rings and stainless steel springs.

OPTIONS:

- Hose shank swivel for inlet connection
- Extension wand and adapters for low-volume and spot spraying.



CAPACITY (GPM) AT GIVEN PRESSURE

Model Number	Nozzle Tip Number	2 PSI	4 PSI	6 PSI	8 PSI	10 PSI	15 PSI	20 PSI
25660-1.5	CP25670-1.5-NY	1.4	1.9	2.3	2.6	2.9	3.4	4.0

GUNJET SPRAY GUNS

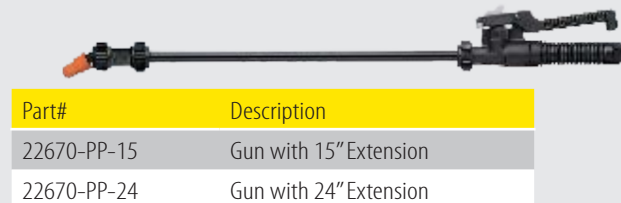


Part#	Description
AA23L	GunJet without Extension
AA23L-7676-8	GunJet with 8" Extension
AA23L-7676-18	GunJet with 18" Extension
AA23L-7676-36	GunJet with 36" Extension
AA43LA-AL10	GunJet with 13" Aluminum Barrel
AA43L-AL10	GunJet with 22" Aluminum Barrel
11990-19	1/2" MPT x 1/2" FPT Brass Swivel

TRIGGERJET 22670

The 22670 TriggerJet kit combines the 22650 TriggerJet with an extension wand and maximum pressure rating of 150 PSI (10 bar).

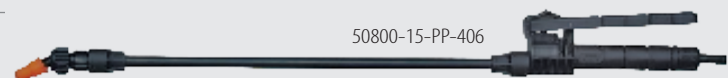
- 22650 TriggerJet spray gun with choice of 1/4 or 3/8 Hose Shank and a 1/4 NPT or BSPT(F) thread inlet connection.
- Trigger lock continuous flow (optional).



Part#	Description
22670-PP-15	Gun with 15" Extension
22670-PP-24	Gun with 24" Extension

TRIGGERJET 50800

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



Part#	Description
50800-15-PP-406	Gun with 15" Polypropylene Extension
50800-21-AL-406	Gun with 21" Aluminum Extension

CONEJET SPRAY TIPS

Body of tip rotates through a half turn to provide spray selection from a wide angle fine cone spray to a straight stream. Available in Brass or Polypropylene.



Part#
5500-X3
5500-PPB-X5*
5500-X8

OFFSET CONEJET SPRAY TIPS

- Provides adjustable spray from solid stream to a hollow cone 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#
38720-PPB-X12
38720-PPB-X18
38720-PPB-X26

BOOM COMPONENTS

SPRAY CHART

			MPH	GALLONS PER ACRE – 20" SPACING								
				4	5	6	8	10	12	15	20	
STRAINER MESH	TIP NUMBER	PSI	GPM/NOZZLE									
100	015 TIPS	15	0.092	6.8	5.5	4.6	3.4	2.7	2.3	1.8	1.4	
		20	0.11	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	
		30	0.13	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	
		40	0.15	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	
		50	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	
		60	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	
		80	0.21	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	
		100	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	
50	02 TIPS	15	0.12	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	
		20	0.14	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	
		30	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	
		40	0.20	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	
		50	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	
		60	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	
		80	0.28	21.0	16.6	13.9	10.4	8.3	6.9	5.5	4.2	
		100	0.32	24.0	19.0	15.8	11.9	9.5	7.9	6.3	4.8	
50	025 TIPS	15	0.15	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	
		20	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	
		30	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	
		40	0.25	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	
		50	0.28	21.0	16.6	13.9	10.4	8.3	6.9	5.5	4.2	
		60	0.31	23.0	18.4	15.3	11.5	9.2	7.7	6.1	4.6	
		80	0.35	26.0	21.0	17.3	13.0	10.4	8.7	6.9	5.2	
		100	0.40	30.0	24.0	19.8	14.9	11.9	9.9	7.9	5.9	
50	03 TIPS	15	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	
		20	0.21	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	
		30	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	
		40	0.30	22.0	17.8	14.9	11.1	8.9	7.4	5.9	4.5	
		50	0.34	25.0	20.0	16.8	12.6	10.1	8.4	6.7	5.0	
		60	0.37	27.0	22.0	18.3	13.7	11.0	9.2	7.3	5.5	
		80	0.42	31.0	25.0	21.0	15.6	12.5	10.4	8.3	6.2	
		100	0.47	35.0	28.0	23.0	17.4	14.0	11.6	9.3	7.0	
50	04 TIPS	15	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	
		20	0.28	21.0	16.6	13.9	10.4	8.3	6.9	5.5	4.2	
		30	0.35	26.0	21.0	17.3	13.0	10.4	8.7	6.9	5.2	
		40	0.40	30.0	24.0	19.8	14.9	11.9	9.9	7.9	5.9	
		50	0.45	33.0	27.0	22.0	16.7	13.4	11.1	8.9	6.7	
		60	0.49	36.0	29.0	24.0	18.2	14.6	12.1	9.7	7.3	
		80	0.57	42.0	34.0	28.0	21.0	16.9	14.1	11.3	8.5	
		100	0.63	47.0	37.0	31.0	23.0	18.7	15.6	12.5	9.4	
50	05 TIPS	15	0.31	23.0	18.4	15.3	11.5	9.2	7.7	6.1	4.6	
		20	0.35	26.0	21.0	17.3	13.0	10.4	8.7	6.9	5.2	
		30	0.43	32.0	26.0	21.0	16.0	12.8	10.6	8.5	6.4	
		40	0.50	37.0	30.0	25.0	18.6	14.9	12.4	9.9	7.4	
		50	0.56	42.0	33.0	28.0	21.0	16.6	13.9	11.1	8.3	
		60	0.61	45.0	36.0	30.0	23.0	18.1	15.1	12.1	9.1	
		80	0.71	53.0	42.0	35.0	26.0	21.0	17.6	14.1	10.5	
		100	0.79	59.0	47.0	39.0	29.0	23.0	19.6	15.6	11.7	
50	06 TIPS	15	0.37	27.0	22.0	18.3	13.7	11.0	9.2	7.3	5.5	
		20	0.42	31.0	25.0	21.0	15.6	12.5	10.4	8.3	6.2	
		30	0.52	39.0	31.0	26.0	19.3	15.4	12.9	10.3	7.7	
		40	0.60	45.0	36.0	30.0	22.0	17.8	14.9	11.9	8.9	
		50	0.67	50.0	40.0	33.0	25.0	19.9	16.6	13.9	9.9	
		60	0.73	54.0	43.0	36.0	27.0	22.0	18.1	14.5	10.8	
		80	0.85	63.0	50.0	42.0	32.0	25.0	21.0	16.8	12.6	
		100	0.95	71.0	56.0	47.0	35.0	28.0	24.0	18.8	14.1	



REGULATING/RELIEF VALVES

Part#	Description	PSI
AA110-1/4	Brass Pressure Relief	150
AA110-3/8	Brass Pressure Relief	150
AA110-1-DI	Ductile Iron Pressure Relief	150
8460-1/2	Nylon Pressure Relief	50
8460-3/4	Nylon Pressure Relief	50
23120PP34	PP Pressure Relief	150
23520-3/4-PP	PP Throttling Valve	150



244 ELECTRIC REGULATING BUTTERFLY VALVE

- 2-Wire Lead Provides Easy Installation with 12 Volt Systems
- Easy Installation (flows either direction)
- Flow Rate - 28 GPM

Part#	Description	PSI
35-50029	244C Regulating Valve, 3/4"	100



344 ELECTRIC REGULATING BALL VALVES

- 2-Wire Lead Provides Easy Installation with 12 Volt Systems
- Low Power Consumption (<1 Amp)

Part#	Description
35-02116	3/4" NPT Reg. Valve, 2 Way, 27 GPM
344BRL-2F-03CCS	1" Flanged Regulating Valve 344Brl, 3 Rpm 6Sec RI Reg



MEV100CF



LEV050

BANJO ELECTRIC BALL VALVES

Part#	Description
LEV050	1/2" FPT Electric Valve
MLEV100	1" Electric Manifold Valve
MEV100CF	1" Full Port Banjo Electric Ball Valve
EV3300	3/4 second 3 Wire Motor Assembly



TEEJET ELECTRIC BALL VALVES



430 SERIES 2-WAY MANIFOLD VALVES

- 0.6 Second Shut-off Time
- Built-In Mini DIN Connection
- All Metal Gear Train with SS Ball and Stem
- Max PSI - 215 / 16.5 Max GPM

Part#	Description
431EC-2-D	Single 430 series 2-Way Ball Valve
58445	430 EC Repl. Motor
58480EC-05	3 wire .5 meter Mini-Din Adapter Cable



344 SERIES 3-WAY MANIFOLD VALVES

Part#	Description
344BEC-3F-C	Electric 3-Way Ball Valve 1" Flanged Ends



450 SERIES MANIFOLD SHUT-OFF VALVES

- 1 to 5-Bank Manifolds Available
- Max PSI 200
- Threaded or Flange Fittings
- 22 RPM - 0.7 Sec. Shut-off
- 453 Flowback Ball Valve has Instant Shut-off Automatic Boom Section Control

Part#	Description
451BEC-2F-CVX	Single Manifold
453BEC-2F-CVX	3-Bank Manifold
451BEC-3FBF-CVX	Single Flowback Manifold
453BEC-3FBF-CVX	3-Bank Flowback Manifold
50515-22CP05	TeeJet Ball Valve Motor



KZ VALVES

Part#	Description
KZ1268-10DK0-B01	Valve - Actuated, EH7, Tx2-1/2"

MANUAL CONTROL VALVES



AA6B MANUAL CONTROL VALVE

- All Corrosion Resistant Parts
- Max PSI 150
- 12 GPM flow - only 5 PSI Pressure Drop
- 1/4" NPT Gauge Port

Part#	Description
AA6B	Manual Control Valve



AA17Y MANUAL CONTROL VALVE

- 300 PSI Max
- Control any combination of up to 3 Boom Sections
- Corrosion Resistant Aluminum with SS and Plastic Internal Parts

Part#	Description
AA17Y	Manual Control Valve



AA144A SOLENOID VALVES

- Stainless Steel Parts for Corrosion Resistance
- 10 GPM flow – only 5 PSI Pressure Drop
- EPDM Diaphragms Standard (Viton Optional)
- 3/4" Inlet / 1/2" Outlet

Part#

AA144A-1



AA144F SOLENOID VALVE

- 8 GPM flow – only 5 PSI Pressure Drop
- Pressure Range 0–50 PSI
- Brass Internal Metal Parts,
- SS Fasteners
- Zinc-plated External Metal Parts

Part#

AA144F-1-3



AA144P SOLENOID VALVES

- Stainless Steel Wet Parts for Corrosion Resistance
- Poly Body for Chemical Resistance
- No Stroke Adjustment required
- Corrosion Resistant 430SS Solenoid grade armature and armature stop.
- Encapsulated coil and magnetic circuit
- 3/4" Inlet / 1/2" Outlet

Part#

AA144P1



2504B SOLENOID VALVE

- 12V DC Operation
- 1/2" FNPT Inlet / (2) 1/2" FNPT Outlets
- Glass-filled Nylon Valve Housing with SS Wet Parts
- Epoxy-Encapsulated Coils with Weatherpack Connector
- 2 GPM @ 75 PSI

Part#

2504B



SPRAYER VALVES & CONTROLS

- Sprayer Control System with 6 Ft. Harness, Liquid-filled Pressure Gauge, Pressure Regulator, 1999A Solenoid Valves and 1990 Valve Mounting Bracket



Part#	Description
1541A	Regulating Valve for B2040
TR2690	Kit-Elec Control for Motorized Boom Valves 1 Section 1541A Reg Valve, 100 PSI Guage



1999A SOLENOID VALVE

- 1" FNPT Inlet / 1" MNPT Outlet
- 12V DC Operation
- 3/4" FNPT Boom Line
- 18 GPM @ 175 PSI

Part#	Description
1999A1	Single Solenoid
1999A2	Double Solenoid
1999A3	Triple Solenoid

REPAIR KITS FOR 1999A SOLENOID

Part#	Description
2517	1999A Solenoid Valve Kit (Viton)
2518	1999A Solenoid Valve Kit (AFLAS)
2515	1999A Coil Assembly



2201A SOLENOID VALVE

- 12V DC Operation
- 1/4" FNPT Inlet and Outlet
- Glass-filled Nylon Valve Housing with SS Wet Parts
- Epoxy-Encapsulated Coils with Weatherpack Connector
- 1 GPM @ 125 PSI

Part#

2201A



RADION 8140 AUTO-RATE SPRAYER CONTROLLER

- Large 4.3" color touch screen is packed with useful information, and easy to view during the day/night
- Built-in Droplet Size Monitor Uses TeeJet 800 Series cables for quick hookup
- Available with 5 or 9 boom section switches plus master shutoff
- TeeJet spray nozzle database is programmed, making tip selection quick and easy
- Communication port for connection to external variable rate controls
- Designed for direct connection to TeeJet Matrix[®] consoles for auto-section control without extra devices
- Tank level monitoring and automatic filling function

Part#	Description
90-50259	Radian 8140 (5 Section, Ram Mount, Power Cable)
75-50064	Radian 8140 (5 Section Console Only)



844E AUTO-RATE SPRAYER CONTROLLER

- Full featured auto-rate sprayer control
- Large backlit display shows all spraying information
- Color coded tip selection for easy programming
- Communication port for PC and GPS interfacing
- Flow or pressure based regulation options
- Five boom section switches plus master shutoff
- Durable, weather resistant aluminum housing
- Single cable connection for quick hookup

Part#	Description
90-50268	844-E-5 (5 Section, Ram Mount, Power Cable)
75-50011	844-E-5 (5 Section Console Only)



744A SPRAYER CONTROLLER

- Manual spray controller in a compact package
- Lighted pressure gauge for night use
- Heavy duty switches with LED indicators
- Choice of dry or liquid-filled 100psi(7 bar) or 300psi(20 bar)
- Variety of kit forms using solenoid/ball control valves available

Part#	Description
90-50149	744 Core Kit/Cables/3 Switch
90-50163	744 Kit Complete (Console, Solenoid Valves, Reg. Valve)
90-02439-UX	Kit, 744A, Boom 100Psi, Ball Valve Harness Weatherpack

CABLES & PARTS

Part#	Description
45-10106-UX	21' Harness, 5 Section Ball Valves, 4 Term. Weatherpack
90-50230	801 Flowmeter, 1" HB, 2.5-60GPM
57-10122	802 Flowmeter, 75 Series Flange, 3-130 GPM
16-40004	Proximity Speed Sensor
45-20042	Speed Cable, 844E-Dickey John



GPS SPEED SENSOR

- GPS receiver measures true ground speed & delivers a signal compatible with most monitors.
- Eliminates problems with radar speed sensors on wet surfaces, moving crops, and vehicle vibration.
- Speed range 5. to 80+ MPH / 1 to 130 km/h

Part#	Description
90-02386	GPS Spd. Sens.-844E
90-02404	GPS Spd. Sens.-Raven



TEEJET GPS GUIDANCE & AUTOSTEER SYSTEMS

- RealView Guidance over Video
- Droplet Size Monitoring
- Advanced Swath and Rate Control Capabilities



Matrix Pro Consoles



Matrix 430



RXA-30 Antenna



REALVIEW CAMERA

- Increase Productivity with Improved Accuracy
- Reduce Operator Fatigue
- Superior Hydraulic Performance at a Very Low Cost
- Improved Night-time Operation

Part#	Description
GD430-GLO-P-L	Matrix 430 Kit, GLONASS, Patch Antenna, Lighter Conn.
90-02814	Matrix Pro 570GS with Clearpath, Patch Antenna
90-02810	Matrix Pro 570GS with Clearpath, Patch Antenna, Camera
90-02720	RXA-30 Antenna with 20' Cable
78-50190	Patch Antenna Replacement



REALVIEW GUIDANCE OVER VIDEO



BE AWARE OF MORE BY SPLITTING THE SCREEN TO FOUR CAMERAS



DROPLET SIZE MONITOR FUNCTION



REALVIEW CAMERAS CAN BE EASILY MOUNTED ANYWHERE

CENTERLINE 220

- Versatile GPS
- LED lightbar guidance plus a graphical display for complete guidance information
- Return-to-point feature

Part#	Description
90-02399	Centerline 220 GPS - Complete
78-50190	Patch Antenna Replacement



MACHINERY GUIDE GPS



FEATURES

- Straight curve guidance patterns
- Visual section control
- Overlap detection
- 2D and 3D view
- Modern, realistic graphic solutions
- User friendly
- Built-in or external Bluetooth GPS connection
- Session and field handling
- KML and PDF export
- Position correction
- Detailed statistics
- Low software system requirements
- Google maps view
- Night view
- No limit for screen size
- Landscape or portrait modes

Part#	Description
MG1000	Machinery Guide Guidance System Complete with Samsung Tablet and GPS Antenna





SCS 450 FEATURES

- One-Product Capability (Liquid, NH3)
- 6 Boom Switches
- Capable of Direct Injection when used with Sidekick

RAVEN SCS SPRAY CONSOLE CONSOLES

- Simple operation
- Low-limit function
- Digital boom pressure read-out
- Supports a variety of Flow Meters and Control Valves
- Audible alarms
- Self-test function
- Rate bump features

CONSOLE

Part#	Description
1-063-0171-220	SCS 450 Console (6 Boom)

CABLES

Part#	Description
1-115-0171-085	Console Cable 10'
1-115-0159-856	Extension Cable 12', 7 Boom
1-115-0159-857	Extension Cable 24', 7 Boom
1-115-0171-086	Flow Cable 6', 6 Boom, 3-Pin Weatherpack
1-115-0171-055	Flow Cable 12', 6 Boom, 3-Pin Weatherpack



1-063-0172-125

REGULATING VALVES

Part#	Description
1-063-0172-125	Control Valve, 1", Poly Flanged Butterfly
1-063-0171-894	Control Valve, 1 1/2", Poly Flanged Butterfly



1-063-0172-058

RFM FLOW METERS

New Part#	Old Part#	Description
1-063-0172-058	1-063-0172-040	RFM 15P High Pulse (.3 - 15 GPM) M200 Flange
1-063-0171-985	1-063-0171-793	RFM 60P High Pulse (1-60 GPM) M200 Flange
1-063-0173-578	1-063-0171-066	RFM 100P High Pulse (5-100 GPM) M220 Flange
1-063-0173-579	1-063-0159-571	RFM 200P High Pulse (15-200 GPM) M300 Flange

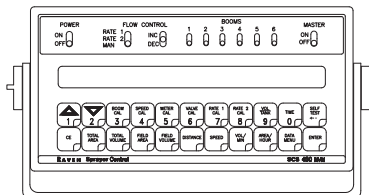
PRESSURE SENSORS

Part#	Description
AKSCP-030	Pressure Sensor for 12V John Blue Controller 2nd Gen
1-422-0000-090	Raven Pressure Transducer 0-250PSI



SCS 450 LIQUID CONTROL SYSTEM

CONTROL CONSOLE
SCS 450: 063-0171-220



PRESSURE SENSOR CABLES

- 6': 115-0171-235
- 12': 115-0171-151
- 37': 115-0171-224
- 44': 115-0171-296

PRESSURE SENSOR CABLES

- 10': 115-0171-152
- 3': 115-0171-153
- 30': 115-0171-176

TO SWITCHED POWER

RADAR POWER CABLE
12': 115-0159-539

SPEED EXTENSION CABLES

- 10': 115-0171-262
- 12': 115-0159-032
- 18': 115-0171-239
- 24': 115-0159-018
- 29': 115-0171-241
- 34': 115-0171-225

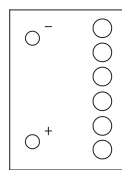
PRESSURE SENSOR
422-0000-090

CONSOLE CABLE
10': 115-0171-085

- ORANGE: +12 VDC SWITCHED
- ORANGE/WHITE: REMOTE MASTER
- WHITE: SWITCHED POWER

WHITE

RED



VEHICLE BATTERY
+12 VDC

EXTENSION CABLES

- 12': 115-0159-856
- 24': 115-0159-857

** OPTIONAL CONSOLE, FLOW AND EXTENSION CABLING AVAILABLE. CONSULT A RAVEN SALES REPRESENTATIVE FOR PART NUMBERS **

SPEED SENSORS

- RADAR (RADAR ONLY): 063-0172-143
- RADAR (KIT WITH POWER CABLE): 117-0159-822

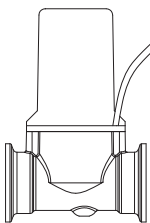
** WIDE VARIETY OF WHEEL DRIVE, SPEEDOMETER AND RADAR ADAPTER CABLING. CONSULT RAVEN SALES REPRESENTATIVE FOR PART NUMBERS **

FLOW CABLES

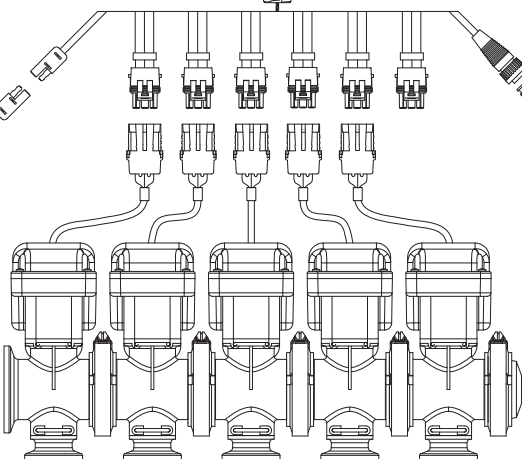
- 6': 115-0171-086
- 12': 115-0171-129

FLOW EXTENSION CABLES

- 6': 115-0159-016*
- 12': 115-0159-017*
- 24': 115-0159-019*
- 36.5': 115-0171-544*



CONTROL VALVE



FLOW METER

* CAN ALSO BE USED FOR PRESSURE SENSOR EXTENSIONS

BOOM VALVES

- 1 SECTION: 063-0171-926
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- 5 SECTION: 063-0172-039

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Unless otherwise noted, F/S Manufacturing warrants its Equipment to be free from defects in material and workmanship under normal use for a period of one year from the purchase date by the end user.

Warranty is limited to repair or replacement of the defective part. Expenses, mileage, inconveniences, or damages that may occur are not subject to warranty consideration. User shall determine the suitability of the product for its intended use and assume all risks and liability in connection with its use.

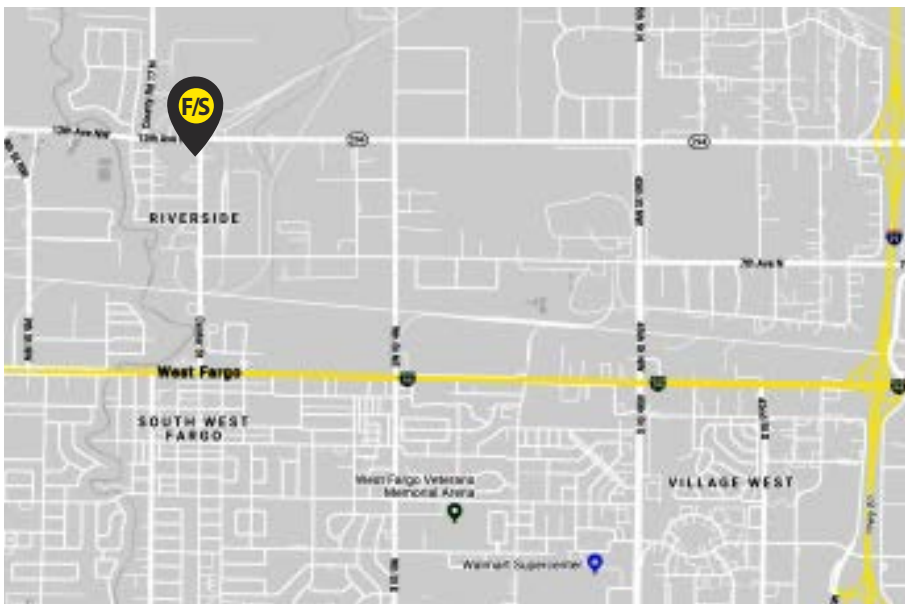
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The entire warranty is embodied in the provisions described on this page and is not transferable. Statements made by sales people or dealers about F/S products are not part of this warranty provision.

This warranty does not apply to any Equipment which has been altered in any way after leaving F/S's property, which in F/S's judgement has affected its operation or reliability, or which in our opinion has subjected the Equipment to misuse, neglect, or accident.

Warranty claims for parts furnished to F/S from other manufacturers shall be subject to that manufacturer's warranty. F/S will process such warranty claims when items are returned to F/S Manufacturing, with the transportation to our facilities paid by the purchaser.

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