



EQUIPMENT
PARTS CATALOG
VERSION .36



**FOR TERMS &
CONDITIONS**
SEE PAGES 102-103





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THANK YOU

FOR OVER 35 YEARS OF
LOYALTY TO F/S PRODUCTS!

Due to limited space and our ever-growing inventory, not all items we offer are included in our catalog. If you can't find the product, part, or application you need, feel free to give us a call. We're here to assist you in every way we can!

Cordially,
THE F/S TEAM

BUSINESS HOURS

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

UTV SPRAYERS

SPRAY LIKE A PRO.

✓ LOW PROFILE TANK

The Tru-Kleen low-profile full-drain tank optimizes liquid carrying capacity while reducing issues associated with high center of gravity conditions.

✓ SPOT SPRAYING

A spray wand and hose reel with 50 feet of 3/8" hose are included as standard features, allowing you to spot spray when boom spraying isn't an option.

✓ ADJUSTABLE BOOM

The heavy-duty adjustable boom mounting system enables you to set the optimal nozzle height for any application.

✓ QUALITY PARTS

All Dakota sprayers are constructed with commercial-grade valves and fittings, proudly made in the U.S.A.





LOOKING FOR HIGH
PRESSURE OPTIONS?

SEE NEXT PAGE



MANUAL CONTROLS



SPECIFICATIONS	FSDAK-60	FSDAK-100 (Shown)	FSDAK-60-E (Shown)	FSDAK-100-E
Capacity	60 Gallons	100 Gallons	60 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)	194 lbs. / 694 lbs.	182 lbs. / 1,017 lbs.	162 lbs. / 662 lbs.	163 lbs. / 998 lbs.
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	Honda GX160 Engine	Honda GX160 Engine	-	-
Pump	Ace Centrifugal Pump [57 PSI-22.5 GPM]	Ace Centrifugal Pump [57 PSI-22.5 GPM]	12V Electric Pump [100 PSI-7 GPM]	12V Electric Pump [100 PSI-7 GPM]



NARROW DESIGN

FSDAK-NARROW OPTIONS AVAILABLE
FOR 60 GALLON MODELS!

UTV SPRAYERS

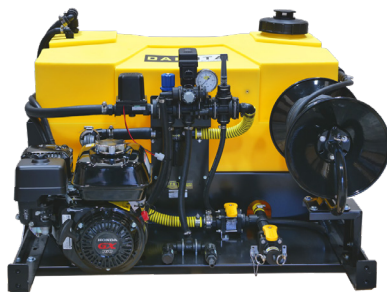
ARE YOU A CONTROL FREAK?

✓ **FSDAK-60-EC-TJ3**

- 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 HONDA GX160 ENGINE WITH
ACE CENTRIFUGAL PUMP**
[57 PSI - 22.5 GPM]
- 06 TEEJET VALVE SYSTEM**
[3 Way valve for consistent line pressure]
- 07 FSDAK-SPRAY GUN UPGRADE**
[Optional 22 in. Aluminum Barrel w/ Brass Swivel]



SINGLE-SECTION ELECTRIC CONTROLS



Single Section Controller

SPECIFICATIONS	FSDAK-60-EC-TJ1 (Shown)	FSDAK-100-EC-TJ1
Capacity	60 Gallons	100 Gallons
W x L x H	38 x 42 x 23	47 3/4 x 49 x 26
Weight (Empty / Full)	176 lbs. / 676 lbs.	182 lbs. / 1,017 lbs.
Controls	1 Sect. TeeJet Valve with TeeJet Controller	1 Sect. TeeJet Valve with TeeJet Controller
Motor	Honda GX160 Engine	Honda GX160 Engine
Pump	Ace Centrifugal Pump [57 PSI-22.5 GPM]	Ace Centrifugal Pump [57 PSI-22.5 GPM]



SPECIFICATIONS	FSDAK-100-ROLLERPUMP
Capacity	100 Gallons
W x L x H	47 3/4 x 49 x 26
Weight (Empty / Full)	182 lbs. / 1,017 lbs.
Controls	Manual TeeJet Shutoff and Regulating Valves
Motor	Honda GX160 Engine
Pump	Roller Pump [200 PSI-22 GPM]

HIGH PRESSURE

**FOR BOOM / BOOMLESS
SYSTEM OPTIONS**

SEE PAGES 8-10





MULTI-SECTION ELECTRIC CONTROLS



AVAILABLE
IN 60gal

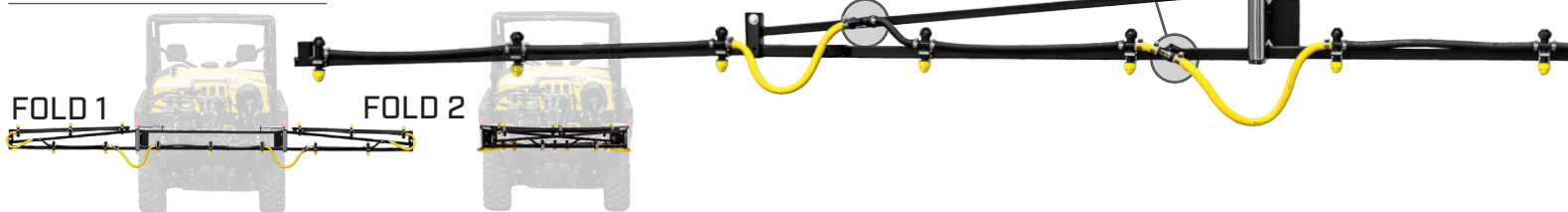
SPECIFICATIONS	FSDAK-60-EC-TJ* [Shown]	FSDAK-100-EC-TJ*
Capacity	60 Gallon	100 Gallons
W x L x H	38 x 42 x 23	47 ¾ x 49 x 26
Weight (Empty / Full)	176 lbs. / 676 lbs.	182 lbs. / 1,017 lbs.
Controls	*2-5 Sect. TeeJet Valve, Electric Control with 744A TeeJet Controller	*2-5 Sect. TeeJet Valve, Electric Control with 744A TeeJet Controller
Motor	Honda GX160 Engine	Honda GX160 Engine
Pump	Ace Centrifugal Pump [57 PSI-22.5 GPM]	Ace Centrifugal Pump [57 PSI-22.5 GPM]

PROFESSIONAL

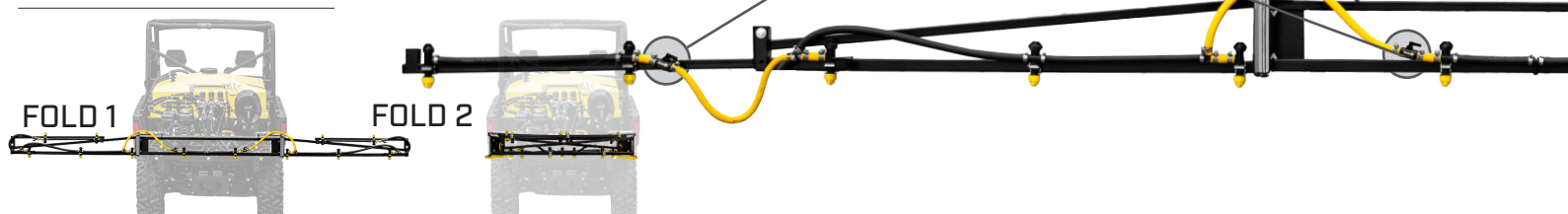
SPECIFICATIONS	FSDAK-100-EC-TJ*-PRO
Capacity	100 Gallons
W x L x H	47 ¾ x 49 x 26
Weight (Empty / Full)	182 lbs. / 1,017 lbs.
Controls	*2-5 Sect. TeeJet Valve, Electric Control with 744A TeeJet Controller
Motor	Honda GX160 Engine / Electric Start
Pump	Ace Centrifugal Pump [120 PSI-110 GPM]

OPTIONAL EQUIPMENT

22' BOOM22FLEX



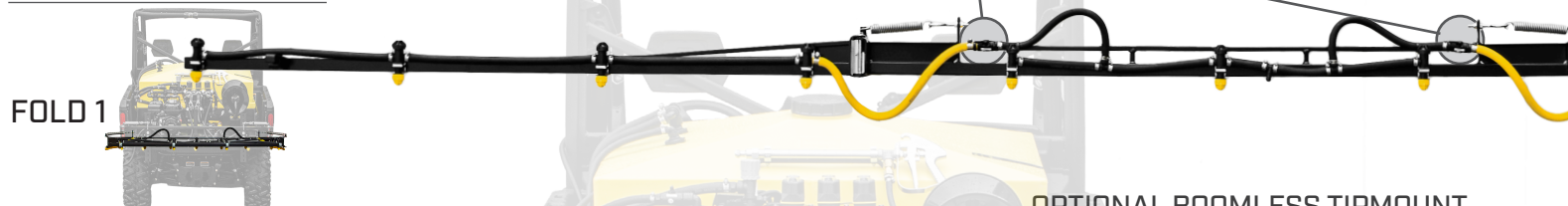
20' BOOM20FLEX



18' BOOM18FLEX



18' BOOM18



12' BOOM12



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]

**DE-ICE SYSTEMS
BOOM OPTIONS**
SEE PAGES 28-29



*FSDAK-100-EC SHOWN
WITH FSDEICE-BOOM-4

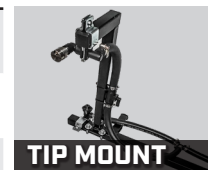
SPECIFICATIONS	BOOM22FLEX			BOOM20FLEX			BOOM18FLEX			BOOM18		BOOM12	
	Unfolded	Fold 1	Fold 2	Unfolded	Fold 1	Fold 2	Unfolded	Fold 1	Fold 2	Unfolded	Fold 1	Unfolded	Fold 1
Physical Width	20'7"	13'	4'9"	18'11"	13'	4'9"	17'3"	13'	4'9"	17'3"	5'11"	10'4"	4'3"
Spray Coverage	21'8"	11'8"	5'	20'	13'4"	3'4"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



TIP MOUNT



OFFSET TIP

OPTIONAL EQUIPMENT



Picture above does not show new tank design

FOR NOZZLE CHARTS
SEE PAGES 89-92

BOOMLESS SYSTEMS

TEEJET / HYPRO / BOOMINATOR

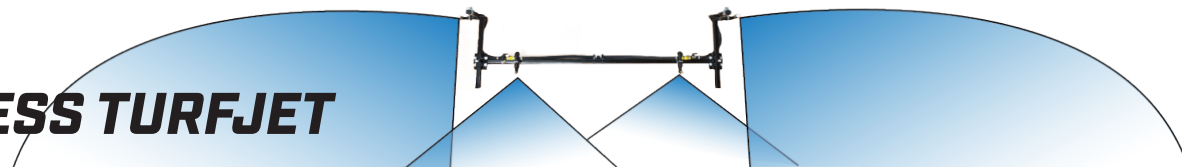
	PART#	DESCRIPTION	*Multiple Sizes Available
1. SELECT NOZZLE TYPE	BOOMLESS TJ*	Boomless Kit with Plastic TeeJet Nozzles	
	BOOMLESS HYPRO*	Boomless Kit with SS Hypro XT Nozzles	
	BOOMLESS BOOMINATOR*	Boomless Kit with SS Boominator Nozzles	
2. OPTIONAL MOUNT KIT	BOOMLESS-MOUNT-KIT	Mounting Bar and Hardware for Boomless Mount Kit	
	(Required if not directly mounted to a boom)		



BOOMLESS TURFJET

"SIDE SHOOTER"

PART#	DESCRIPTION	*Multiple Sizes Available
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	



FM1

ACCESSORIES

PART#	DESCRIPTION
FSDAK-STAND	Stand for Dakota UTV Skid Sprayer
FSDAK-SPRAY GUN UPGRADE	TeeJet 22" Aluminum Spray Gun with Brass Swivel (See Pg. 93)
FM1 (SEE PAGE 36)	1 Gallon Foam Marker
FM1 SKID MOUNT KIT	FM1 Skid Mount Kit



WAND UPGRADE



FSDAK-STAND

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**



HRE300



HRE200



HRE300

**IMPROVED
MOTOR CONTROLLER**

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	117 lbs	139 lbs	232 lbs
Hose Capacity	75' of 2" Discharge Hose	75' of 2" Discharge Hose	75' of 3" Discharge Hose
Controls	Manual Crank (adds 5" to width)	Electric	Electric

REPAIR PARTS:

PART#	DESCRIPTION	PART#	DESCRIPTION
CHR1093	Electric Motor	CHR1191	Repair Kit for Hand Crank Shaft
HR11	Wired Control Remote	CHR1123	2" O-Ring
CHR1115-B	9" Manual Crank Handle	CHR1124	3" O-Ring
CHR1089*	2" Stainless Steel Swivel	CHR1216	Replacement Controller and Bracket
CHR1092*	3" Stainless Steel Swivel		

*Conversion Kit Available For Threaded To Camlock

ACCESSORIES:

PART#	DESCRIPTION
HRSRK	Hose Reel Side Roller Kit

PARTS DIAGRAM / INSTRUCTIONS
ONLINE AT WW.FSMFG.COM



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 & STAND COMBOS

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

TRU-KLEEN INDUCTOR PLUMBING KITS

- Ball Valve
- Nipple
- Tee
- Hose Barbs



OPTIONAL ACCESSORIES: (See Guide)

PART#	DESCRIPTION
TKC20-30	Tru-Kleen Cone Rinse System
TKC40-65	
TKC100-200	
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 ACCESSORIES**

01 **CONE RINSE**

Washes chemical out of
the entire tank

02 **ANTI-VORTEX PLATE**

Prevents your pump
from losing its prime

03 **JUG RINSE**

Leaves no wasted
chemical in your jugs

**NEW
DESIGN**

04 **TANK AGITATION**

Evenly mixes chemical

05 **JUG CUTTER**

Efficiently opens, empties,
& rinses chemical containers



TRU-KLEEN CHEMICAL EDUCTORS

- Educts Chemical directly into Pressure Line (Installed after Pump)
- Keeps Pump Free of Chemical
- Anti-Vortex Plate included
- Mixes Dry Chemical

SINGLE EDUCTOR

Options		Tank Size (Gal)	Plumbing Size	TKC	Tank Accessory
		20, 30, 40, 65, 100, 200	2 or 3	TKC	TKJUG, TKJUGCUT
Shown	TKINJ	30	2	TKC	
Example 1	TKINJ	65	3	TKC	TKJUG
Example 2	TKINJ	40	2	TKC	TKJUGCUT



DOUBLE EDUCTOR

Options		Tank Size (Gal)		Plumbing Size	TKC(x2)	TKJUG, TKJUGCUT	Qty	TKJUG, TKJUGCUT	Qty
		20, 30, 40, 65	20, 30, 40, 65	2 or 3	TKC(x2)	TKJUG, TKJUGCUT	1 or 2	TKJUG, TKJUGCUT	1 or 2
Shown	TKINJ	40	30	2	TKC(x2)	TKJUG	(x1)		
Example 1	TKINJ	65	40	3	TKC(x2)	TKJUG	(x1)	TKJUGCUT	(x1)
Example 2	TKINJ	40	40	2	TKC(x2)	TKJUGCUT	(x1)		



TRIPLE EDUCTOR

Options		Tank Size (Gal)			Plumbing Size	TKC(x3)	TKJUG, TKJUGCUT	Qty	TKJUG, TKJUG CUT	Qty
		40, 65	40, 65	20, 30, 40, 65	2 or 3	TKC(x3)	TKJUG, TKJUGCUT	1, 2 or 3	TKJUG, TKJUG CUT	1, 2, or 3
Shown	TKINJ	65	40	40	3	TKC(x3)	TKJUGCUT	(x1)		
Example 1	TKINJ	65	40	40	2	TKC(x3)	TKJUG	(x2)	TKJUGCUT	(x1)
Example 2	TKINJ	40	40	40	3	TKC(x3)	TKJUGCUT	(x3)		

OPTIONAL EQUIPMENT

PART#	DESCRIPTION
TKTURBO	Tru-Kleen Tank Agitation
TKINJ-2-RF	Tru-Kleen Chemical Eductor - Reverse Flow Kit - 2"
TKINJ-3-RF	Tru-Kleen Chemical Eductor - Reverse Flow Kit - 3"



TRU-KLEEN **CHEMICAL EDUCTOR & MEASURING SYSTEM**

- Measures and educts chemicals directly into pressure line
- Uses a precision-calibrated oval gear meter and display
- Anti-Vortex Plate included
- Installs on the pressure side of pump
- 4 Product Valves

PART#	DESCRIPTION
DE-TK40-2-TKC-TKJUG	40 Gallon Tru-Kleen Chemical Eductor, 2" Plumbing, Cone Rinse and Jug Rinse
DE-TK40-3-TKC-TKJUG	40 Gallon Tru-Kleen Chemical Eductor, 3" Plumbing, Cone Rinse and Jug Rinse
DE-TK65-2-TKC-TKJUG	65 Gallon Tru-Kleen Chemical Eductor, 2" Plumbing, Cone Rinse and Jug Rinse
DE-TK65-3-TKC-TKJUG	65 Gallon Tru-Kleen Chemical Eductor, 3" Plumbing, Cone Rinse and Jug Rinse
DE-TK40-2-TKC-TKJUGCUT	40 Gallon Tru-Kleen Chemical Eductor, 2" Plumbing, Cone Rinse and Jug Cutter
DE-TK40-3-TKC-TKJUGCUT	40 Gallon Tru-Kleen Chemical Eductor, 3" Plumbing, Cone Rinse and Jug Cutter
DE-TK65-2-TKC-TKJUGCUT	65 Gallon Tru-Kleen Chemical Eductor, 2" Plumbing, Cone Rinse and Jug Cutter
DE-TK65-3-TKC-TKJUGCUT	65 Gallon Tru-Kleen Chemical Eductor, 3" Plumbing, Cone Rinse and Jug Cutter
DE-TK-ADDVALVE	Tru-Kleen direct chemical eduction & measuring system- add on valve



TRU-KLEEN **RECIRCULATING BATCH MASTER**

- 3 Point 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-PK*	65
BATCHMASTER100-PK*	100
BATCHMASTER200-PK*	200

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

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")
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)



3-POINT SPRAYERS



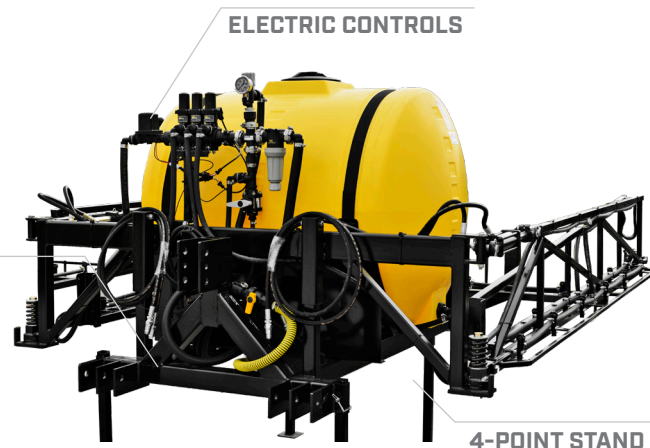
MANUAL CONTROLS



HOMESTEAD-50
(Boom22Flex)

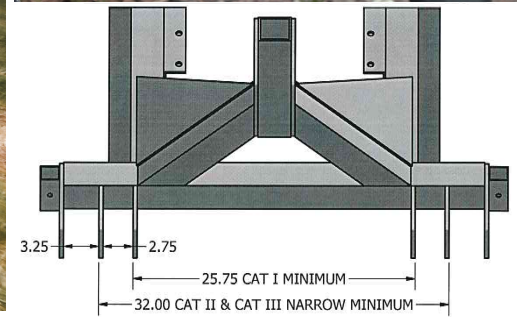
PART#	GALLONS	DESCRIPTION
HOMESTEAD-25	25	3 Pt Homestead Sprayer
HOMESTEAD-50	50	3 Pt Homestead Sprayer
HOMESTEAD-110	110	3 Pt Heavy Duty Sprayer
HOMESTEAD-150	150	3 Pt Heavy Duty Sprayer
HOMESTEAD-200	200	3 Pt Heavy Duty Sprayer

ELECTRIC CONTROLS



HOMESTEAD-200-EC
(Boom45 w/Tip Lift)

PART#	GALLONS	DESCRIPTION
HOMESTEAD-50-EC	50	3 Pt Sprayer
HOMESTEAD-110-EC	110	3 Pt Heavy Duty Sprayer
HOMESTEAD-150-EC	150	3 Pt Heavy Duty Sprayer
HOMESTEAD-200-EC	200	3 Pt Heavy Duty Sprayer



DIMENSIONS FOR HOMESTEAD 110-200

OPTIONAL EQUIPMENT

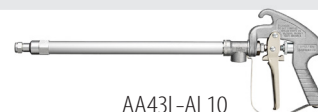
COMPATIBILITY	PART#	DESCRIPTION
HOMESTEAD-25 & 50	BOOM12-3	12 Ft. Spray Pattern (20 In. Spacing)
HOMESTEAD-25 HOMESTEAD-50	BOOM18-3	18 Ft. Spray Pattern (20 In. Spacing)
	BOOM18FLEX-3	18 Ft. Spray Pattern (20 In. Spacing)
	BOOM22FLEX-3	22 Ft. Spray Pattern (20 In. Spacing)
HOMESTEAD-110 HOMESTEAD-150 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)
	HOMESTEAD-TL	Hydraulic Tip Lift (20', 30', 45', or 60' Boom)
HOMESTEAD -110 HOMESTEAD -150 HOMESTEAD-200	HOMESTEADPUMP-SS	Stainless Steel Pump Upgrade
	HOMESTEADPUMP-HP	Hydraulic Pump Upgrade Kit
	HOMESTEAD FM6	Foam Marker 6 Upgrade with Bracket
	HOMESTEAD FM14	Foam Marker 14 Upgrade with Bracket
	HOMESTEAD FM25	Foam Marker 25 Upgrade with Bracket
AVAILABLE ON ALL HOMESTEAD SPRAYERS	BOOMLESS BOOMINATOR*	Boomless Kit with SS Boominator Nozzles
	BOOMLESSBOOMJET*	Boomless Kit with Boomjet Nozzles
	HOMESTEAD SPRAY GUN UPGRADE - AA43L-AL10	TeeJet 22" Aluminum Spray Gun with Brass Swivel

*Multiple Nozzle Sizes & Spray Patterns Available



**F/S TOUCHDOWN
WHEELS AVAILABLE
SEE PAGE 74**

**LOOKING FOR
BOOMLESS TIPS?
SEE PAGES 90-92**



AA43L-AL10

PULL-BEHIND SPRAYERS



PULL-BEHIND MINI SPRAYER

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



ATV MINI-50E SHOWN
WITH BOOM12

PART#	CAPACITY	PUMP	CONTROLS
ATV MINI-50E	50 Gallons	5 GPM Electric Pump	Manual
ATV MINI-50		Honda GX160 Engine with 22.5 GPM Centrifugal Pump	Manual
ATV MINI-50-EC		Honda GX160 Engine with 22.5 GPM 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-50-EC



PULL-BEHIND **ESTATE SPRAYER**

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

PART#	CAPACITY	PUMP	BOOM SIZE	NOZZLES
ES23	23 Gallons	2 GPM Pump	60"	3
ES23-MAX	23 Gallons	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
- Honda GX160 Engine with 22.5 GPM Centrifugal Pump
- Boom Breakaway
- Adjustable Boom Height
- High Flotation Tires (20 x 20 x 8)
- Hose Reel & Spray Wand for Spot Spraying

PART#	CAPACITY	PUMP	CONTROLS
MAXI-110	110	Honda GX160 Engine with 22.5 GPM Centrifugal Pump	Manual
MAXI-110-EC	110		Electric
MAXI-150	150		Manual
MAXI-150-EC	150		Electric

ADDITIONAL PUMP OPTIONS AVAILABLE

BOOM OPTIONS

- Electric Boom Controls

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



TRUCK-MOUNT SPRAYERS

TRUCK-MOUNT SKID SPRAYER

- 744 TeeJet Electric Controller
- Spray Pattern up to 42'
- 3 - 5 Section KZ Ball Valves
- Honda GX160 with Electric Start
- GE660 or GE860 Ace Pump
- Adjustable Boom Height
- Various Hose sizes and lengths available

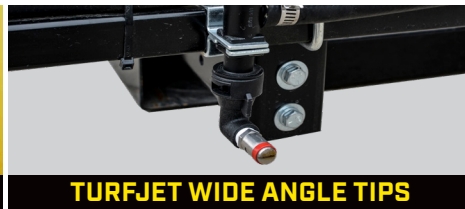
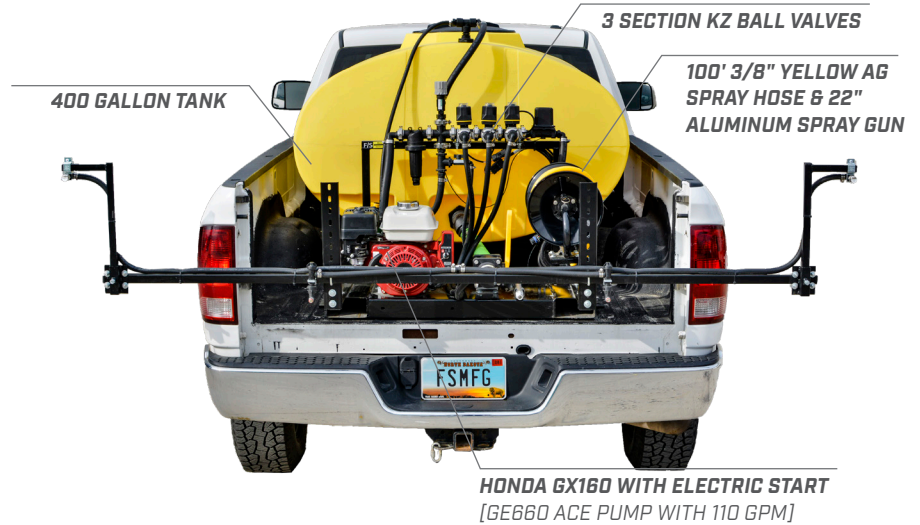
PART#	TANK SIZE
FSTRUCK-SKID-200	200
FSTRUCK-SKID-300	300
FSTRUCK-SKID-400	400
FSTRUCK-SKID-500	500

*Specify Tank Color **Y** **N**

ACCESSORIES:

PART#
FSTRUCK-SKID-BOOMLESSBOOMINATOR*-3

*Multiple Sizes Available

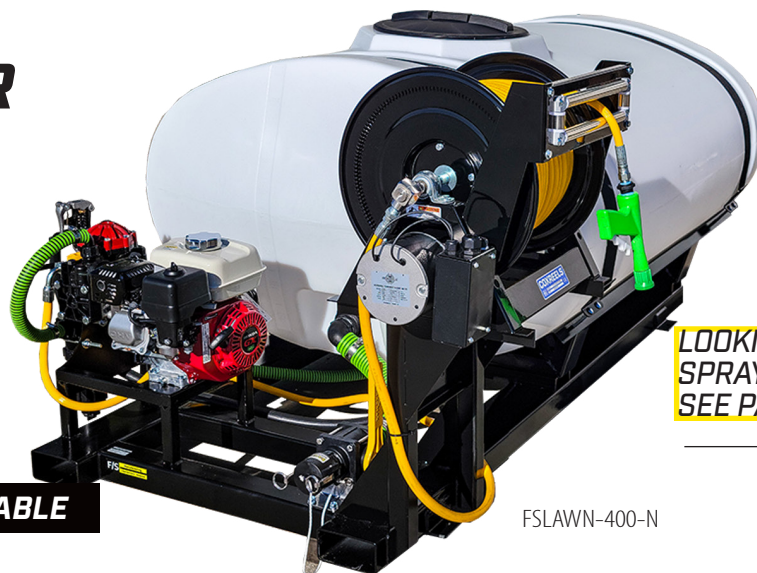


F/S LAWN SPRAYER

- High Pressure Diaphragm Pump
- Honda GX160 Engine
- Electric Hose Reel
- Optional Bottom Fill
- Jet Tank Agitation
- Lesco Chemlawn Spray Gun

PART#	DESCRIPTION
FSLAWN-400-N	400 Gallon Lawn Sprayer
FSLAWN-500-N	500 Gallon Lawn Sprayer

MULTIPLE TANK SIZES AVAILABLE



LOOKING FOR
SPRAY GUNS?
SEE PAGE 93-94

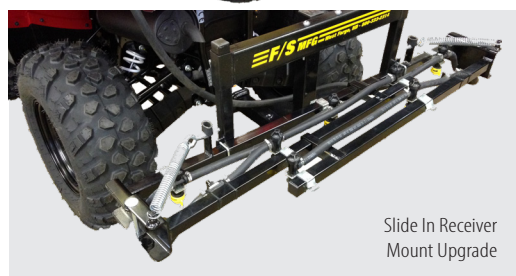


ATV SPRAYERS

ATV CONTOUR SPRAYER

- Adaptable to Boom/Boomless Systems
- TeeJet and Banjo Plumbing Parts
- 5.3 GPM 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	5.3 GPM 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-BOOM-BOOMLESS-PLUMBING KIT

OPTIONAL EQUIPMENT

PART#	DESCRIPTION
BOOM80	Boom80 In. Pattern at 40 In. Spacing
BOOM12	Boom12 Ft. Pattern at 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 (Boom12 Only)
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 GPM Demand Pump
- TeeJet Spray Wand and 20' of 3/8" Spray Hose
- Drain Valve

PART#	CAPACITY	PUMP
SS20	20 Gallons	1.8 GPM Shurflo Pump



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





GUARDIAN GRAIN CART FIRE FIGHTER

- 1 150 GALLON TANK
- 2 KINK RESISTANT PVCS HOSE
- 3 QUICK RELEASE HOSE WRAP
- 4 205PH5 TRANSFER PUMP WITH HONDA GX160 ENGINE
- 5 TANK DRAIN

SPECIFICATIONS	FSGUARD- 150-N-3/4-100	FSGUARD-150-N- 3/4-100-HYD
Max Output	50 PSI	130 PSI
Motor/Pump	2" Poly Transfer Pump w/ Honda GX160 Engine	Hydraulic Motor and Centrifugal Cast Iron Pump
Capacity	150 Gallons	
Dimensions (W x L x H)	29" (39" with Hose Wrap) x 66" x 40"	
Hose Length	100'	
Hose Size	3/4"	
Spray Distance	35-40'	

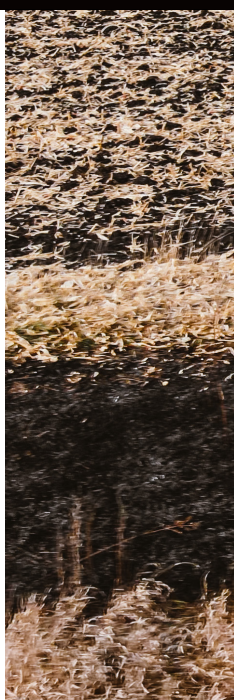
MOUNTING KITS REAR AND SIDE

PART#	DESCRIPTION
FSGUARD-MK-RM	Grain Cart Rear Mount Kit
FSGUARD-MK-SM	Grain Cart Side Mount Kit

MAY NOT WORK WITH ALL MODELS



FIRE CONTROL



GUARDIAN

SKID-MOUNT FIRE FIGHTER

- White or Yellow Tank
- 200-400 Gallon Capacity
- Forklift Pockets for easy lifting
- 3/4" or 1" Hose Reel
- Bottom Fill



SPECIFICATIONS	FSGUARD-200-*	FSGUARD-300-*	FSGUARD-400-*
Capacity	200 Gallons	300 Gallons	400 Gallons
Hose Reel	3/4" or 1" Electric	3/4" or 1" Electric	3/4" 1" Electric
Hose Length	125'	125'	125'
Hose Size	3/4" or 1"	3/4" or 1"	3/4" or 1"
Motor	Honda GX160	Honda GX160	Honda GX160
Pump	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-400-3/4-*-PRO
Motor	Honda GX240 with Electric Start	Honda GX240 with Electric Start	Honda GX240 with Electric Start	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



LOOKING FOR MORE HOSE
NOZZLE OPTIONS?
SEE PAGE 63



FSGUARD-100-HP-DP-70.1-GRIP-3/8-100 SHOWN

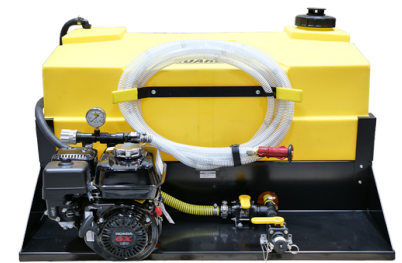
Pictures above do not show new tank design

GUARDIAN UTV FIRE FIGHTER

- 60-100 Gallon Capacity
- Tru-Kleen Low Profile Full Drain Tank
- Clean Drain Valve
- Available With or Without Hose Reel



FSGUARD-100-HP-DP-70.1-GRIP-3/8-100



FSGUARD-100-3/4-25-WRAP

SPECIFICATIONS	FSGUARD-100-3/4-100-E	FSGUARD-*HP-DP-70.1-GRIP-3/8-100	FSGUARD-*3/4-25-WRAP
Capacity	100 Gallons	*60 or 100 Gallons	*60 or 100 Gallons
Hose Reel	Electric	Manual	-
Hose Length	100'	100'	25' (Kink Free)
Hose Size	3/4"	3/8"	3/4"
Spray Distance	35'	45'	35'
Max Output	40 PSI	290 PSI	40 PSI
Run Time	5 Minutes	30 Minutes	5 Minutes
Motor	Honda GX160	Honda GX160	Honda GX160
Pump	Ace GE-85	John Blue DP-70.1-GRIP (Poly) Diaphragm	Ace GE-85

UPGRADE your **DAKOTA SPRAYER** to a **GUARDIAN** with our **CONVERSION KIT**

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

ICE CONTROL



DE-ICE SYSTEMS

SKID MOUNT

	SPECIFICATIONS	FSDEICE-200	FSDEICE-300	FSDEICE-400	FSDEICE-500	FSDEICE-750	FSDEICE-850
01	Capacity	200 Gallons	300 Gallons	400 Gallons	500 Gallons	750 Gallons	850 Gallons
02	Fill Type	Top					
03	Features	Forklift Pockets for Easy Lifting					
04	Controls	Manual Regulator with Electric Ball Valve Shutoff					
05	Pump	Honda GX160 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 Deep Cycle 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





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



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

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

TRU-KLEEN CONE BOTTOM TRAILERS

- Tru-Kleen Tank
- Available With or Without a Front Deck for Hauling Totes
- 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**



1,300 Gallon Caddy without Deck

PART#	GALLONS	DESCRIPTION	GROSS VEHICLE WEIGHT (LBS.)
-------	---------	-------------	-----------------------------

CADDY ONLY

FSCADDY10-*	1000	Caddy	14,000 lbs.
FSCADDY13-*	1300	Caddy	14,000 lbs.
FSCADDY16-*	1600	Caddy	20,000 lbs.

CADDY WITH TOTE DECK

FSCADDY10D-*	1000	Caddy with Deck	14,000 lbs.
FSCADDY13D-*	1300	Caddy with Deck	16,000 lbs.
FSCADDY16D-*	1600	Caddy with Deck	20,000 lbs.

CADDY PLUMBING PACKAGES

FSCADDY-PK2	2" Plumbing Package
FSCADDY-PK3	3" Plumbing Package
FSCADDY-RINSE	Tank Rinse Kit for FSCADDY



1,000 Gallon Caddy with Deck

TRU-KLEEN CONE BOTTOM TENDERS

- 2 (2,500 or 3,000 Gallon Tanks) **OR** 3 (3,000 Gallon Tanks)
- 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

- Full Drain 3" Manifold Outlet
- No Bulk-Head Fittings
- Suitable for Transport
- 5 Year Prorated Warranty
- 10 Degree Cone-Bottom with 16" Lid
- **Heavy Duty** - 16# Per/Gallon Rating
- Steel Stand with Steel Tank Tie Down



* Specify Tank Color



TANK/STANDS	PART#	GALLONS	TANK WEIGHT	TOTAL WEIGHT [LBS.]	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 95"
	TK2000-*TS	2000	400	915	90" x 112"

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

ACCESSORIES

PART#	DESCRIPTION
TK-PK2-FS	2" Plumbing Package
TK-PK3-FS	3" Plumbing Package
TKV1600	1000, 1300, 1600, and 2000 Gallon Anti-Vortex Plate

ACE CONE BOTTOM TANKS



TANK/STANDS

PART#	GALLONS	TOTAL WEIGHT [LBS.]	W X H
CBT2500-W-TS	2500	912	91" x 122"
CBT3000-W-TS	3000	932	91" x 138"
CBT4900-W-TS	4900	1940	102" x 170"
CBT6900-W-TS	6900	2722	122" x 178"
CBT8250-W-TS	8250	3122	122" x 206"

PART# DESCRIPTION

TK-PK2-BH	2" Plumbing Package
TK-PK3-BH	3" Plumbing Package

**FOR STAINLESS
STEEL VALVES**

SEE PAGE 61

F/S FLAT BOTTOM VERTICAL TANKS

- 5 Year Prorated Warranty
- 4 Spike Tie Downs
- Fills 100%
- Manhole Above Top w/ 16" Lid
- 16# Per/Gallon Rating
- Rebated Bottom Corner
(Protects Against Cracking)
- Siphon Tube Pickup



* Specify Tank Color



Great for use in
Van Trailers!

PART#	GALLONS	WEIGHT [LBS.]	OUTLET	W X H
FSVT1000-82-*	1000	225	2"	82" x 60"
FSVT1300-82-*	1300	260	2"	82" x 74"
FSVT1600-*	1600	300	2"	85" x 78"
FSVT1625-*	1625	300	2"	82" X 85"
FSVT2000-*	2000	400	2"	85" x 94"

PART# DESCRIPTION

SG-KIT	Poly Valve Sight Gauge Kit
SG-KIT-HD	Heavy Duty Stainless Steel (Valve) Sight Gauge Kit

TANKS / ACCESSORIES

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
VT2500	2500	422	91 x 103
VT3000	3000	552	91 x 120
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.]	W X L X H
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
LID6-L	6" Labyrinth Valve with Gasket
LID8	8" Lid with Breather
LID12	12" Threaded Vented Lid & Ring
LID12IND	12" Threaded Non-Vented Lid
LID16	16" Lid with Breather
TL16-HINGED	16" Hinged Vented Lid

BULKHEAD FITTINGS/ SIPHON TUBES



PART#	DESCRIPTION
BHF12	1/2" Polypropylene
BHF34	3/4" Polypropylene
BHF100	1" Polypropylene
BHF114	1 1/4" Polypropylene
BHF112	1 1/2" 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

ELLIPTICAL TANKS / CRADLES



* Specify Tank Color

Y	N
---	---

TANKS

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

Stock Items listed in Bold

CRADLES

PART#	WEIGHT [LBS.]	DESCRIPTION
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

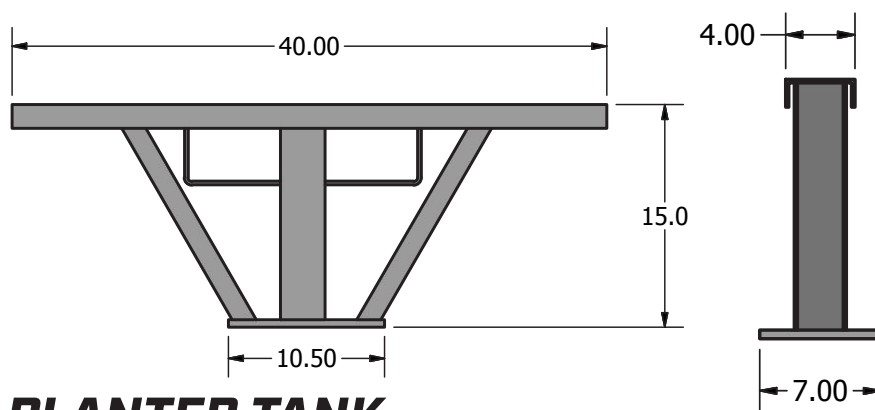
Stock Items listed in Bold

STRAP KITS

PART#	GALLONS
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
CET1600-SK	Strap Kit for ET1600



PLANTER TANK STAND SHOWN WITH
500 GALLON ELLIPTICAL TANK



PLANTER TANK STAND

- 2 needed for 300, 400, 500, and 600 gallon elliptical tanks
- 3 needed for 750 and 850 gallon elliptical tanks
- Each stand requires two 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"
PTS-UBOLT-LONG	U-Bolt For Planter Tank Stand 18.75"
PTS-UBOLT-HARDWARE	Hardware Bag For Single PTS-UBOLT

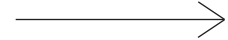


HORIZONTAL TANKS / CRADLES

Specify Tank Color

☒ Y ☐ N

FOR TANK CLEANER
SEE PAGE 75



TANKS	PART#	GALLONS	WEIGHT (LBS.)	W X H
	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
	*HT110-32	110	44	32 X 38
	*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

Stock Items listed in Bold

* Indicates F/S Manufacturing tanks

CRADLES	PART#	WEIGHT (LBS.)	DESCRIPTION
	CHT25-CR	20	Cradle for HT25
	*CHT50-CR	24	Cradle for HT50
	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

Stock Items listed in Bold

* Indicates F/S Manufacturing cradles

STRAP KITS

STRAP KITS	PART#	DESCRIPTION
	CHT23-SK	Strap Kit for 23" Diameter Tank (50 Gallon 55 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)

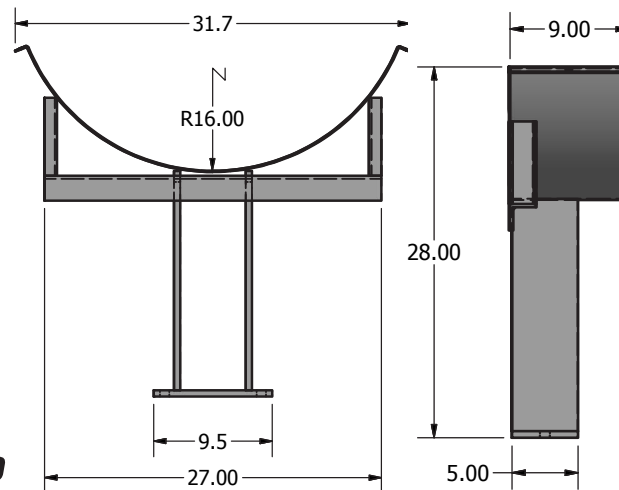
**NEED THREAD
SEALANT**
SEE PAGE 48

TOOL BAR TANK STAND

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

PART# DESCRIPTION

PKSTAND Tool Bar Tank Stand



SHOWN WITH 110 GALLON TANK
AND PAIR OF TANK STANDS

LEG TANKS / HOOPS

TANKS	PART#	GALLONS	WEIGHT (LBS.)	W X L X H
	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*



HOOPS	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 Required **Stackable

TANK ACCESSORIES

RINSE BALL



PART#	DESCRIPTION
RINSE BALL	Delta Tank Rinse Ball SB100 with 1" Close Nipple MM1010 - 3 GPM at 50 PSI - 200 PSI
PC1/2F-235120	Proclean Rotating Tank Rinse Nozzle
55270-1/2-11-POM	Spray Systems Tank Rinsing Nozzle 1/2" FPT
55270-3/4-18-POM	Teejet Rotating Tank Rinse Nozzle 3/4" FPT

HUDSON FILL CONTROL VALVE



PART#	DESCRIPTION
HUDSONVALVE	Hudson Fill Control Valve
HUDSONVALVEKIT	Hudson Valve Repair Kit

TRU-KLEEN AUGER TREATER

- 5 Gallons
- Mounts on a Truck Box or Auger
- Two Outlets for Thorough Coverage

PART#	GALLONS	PUMP
TBT5-12		12V
TBT5-115	5	115V



FOAM MARKER

- 12V DC Operated
- 3-Position Switch Enclosed in Weatherproof Cover
- Two Stage Foam Generation
- Boom End Mounted Foam Chambers
- 200' 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

FOR FOAM MARKER
CONCENTRATE

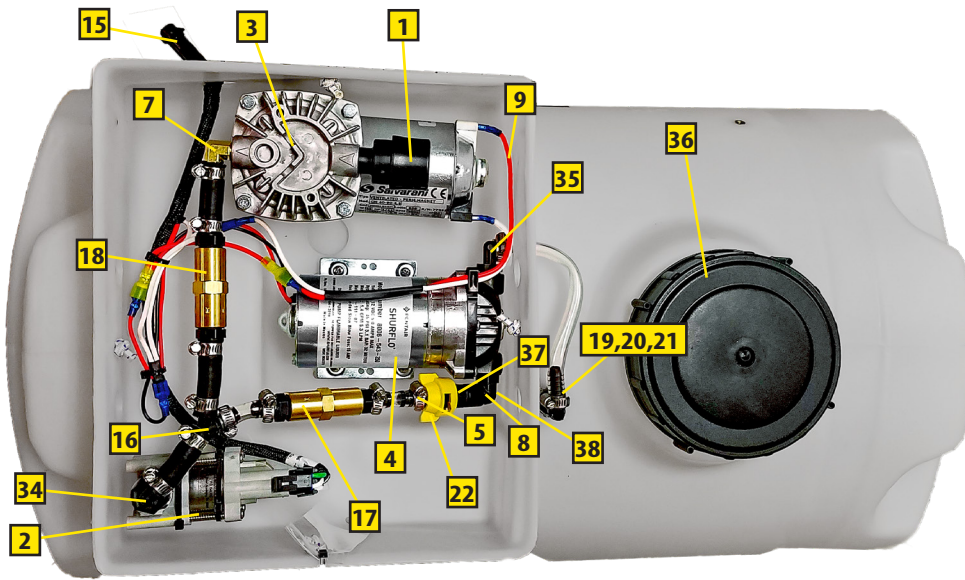
SEE PAGE 74



"THE ONE
THAT
WORKS"



FOAM MARKERS



OLD MODEL

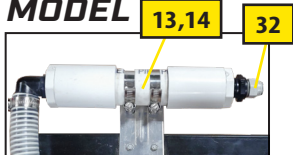


Uses Black 1/2" EVA - EVA12B

OLD FOAM CHAMBER PARTS:

NO.	PART#	DESCRIPTION
39	CFM1010	3/4" Foam Chamber Assembly
40	CFM1020	1-1/2" Foam Chamber Assembly
41	HBE12	MPT Hose Barb Elbow 1/2" x 1/2"

NEW MODEL



Uses 1/2" Push-Pull Tubing - JGPT86BK

NEW FOAM CHAMBER PARTS:

NO.	PART#	DESCRIPTION
13	CFM1038	3/4" Foam Chamber Assembly
14	CFM1039	1-1/2" Foam Chamber Assembly
32	PIMC12	1/2" MPT x 1/2" OD-Male Connector

FM1 SHOWN:



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	12V Diaphragm Compressor (96W 1.27CFM, 36 PSI) 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
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	PISE12	1/2" Push Pull Stem x 1/2" OD Push Pull, Elbow
33	HBE1238	MPT Hose Barb Elbow 1/2" x 3/8"
34	HBE38	MPT x Hose Barb Elbow 3/8" x 3/8"
35	LID6	6" Female Lid with Spring Breather
36	QJ1/4TT-NYB	Quick Teejet Nozzle Body - 1/4" Pipe Con- M
37	RB3814	Reducer Bushing 3/8" x 1/4"

A1 MISTERS / PLANTER KITS

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	60	3-Point “Terminator”
3PT-HPR-100	100	3-Point “Terminator”
TX3PT-HPR-100	100	3-Point “Titan X”



“THE RANGER”

- 40 or 60 Gallon Tank
- GX320 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	40	Gas Engine Driven “Ranger”
URX-60	60	Gas Engine Driven “Ranger”



“THE BOSS”

- 15, 25, or 40 Gallon Tank
- GX160 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”



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

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

Part#	Description
TT-006	In-furrow tube, fits John Deere 1700 XP row units

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



TT-006

PLANTER KITS

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 you design a custom planter 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

PLANTER KIT PUMPS / CHECK VALVES

FOR PLANTER TANK MOUNTING OPTIONS

SEE PAGE 31 & 35



FMCS-HYD-204-SS



5517-2E1-63A



5518-211-904



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



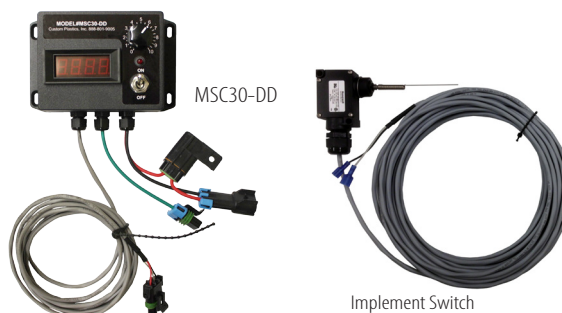
CS-150-HYR



NGP-6055-F

Part#	Description
FMCS-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, 60 PSI, 12 VDC with Quick Attach Ports
7971-111Y-OEM	Delavan 7 GPM, Bypass, 100 PSI, 12 VDC with Quick Attach Ports
5518-211-904	FATBOY Bypass, WP, 100PSI, 7 GPM, 12VDC, 3/4" 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-HYR	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



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

FLOW INDICATORS / REGULATORS



FLOW INDICATOR COLUMN ASSEMBLIES



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



Part#	Description
20501-00	ORS x Hose Shank Straight 3/8"
20502-00	ORS x Hose Shank Straight 1/2"
20503-00	ORS x Hose Shank Straight 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



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

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 — 0.05-0.18 GPM
20460-07	Flow Ind. Ball — Red Celcon — 0.09-0.30 GPM
20460-06	Flow Ind. Ball — Maroon Glass — 0.31-0.72 GPM
20460-05	Flow Ind. Ball — 1/2" Stainless Steel 302 — 0.40-1.33 GPM

JOHN BLUE VISAGAGE II



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-0003	3/8" NPT Visagage Port Adapter
SMPT-0004	1/2" Female NPT Port Inlet Adapter
SMPT-0006	Retainer Clip For John Blue Visagage
SMPT-0007	#212 Viton O-Ring
SMPT-0051	John Blue Vg2 1/4" Tube Push-Conn Elbow Adapter
SMPT-0053	Adapt Elbow – 3/8" Push Con (No O-Ring)

TeeJet® FLOW REGULATORS



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:

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

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

Part# Description

CP4916-* TeeJet Flow Regulator

*Indicates Orifice Size

W = Nozzle spacing (inches) for broadcast spraying.

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

= Row spacing (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.

	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	

	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	

	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



BEST IN CLASS
WARRANTY &
MAINTENANCE
PROGRAM

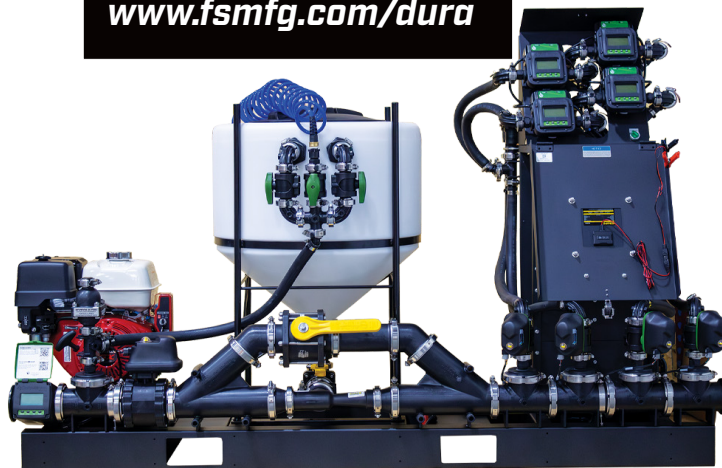
www.fsmfg.com/dura

FASTBATCH

FAST BATCH MULTIJET

Take your mixing and spraying operations to the next level with the FastBatch MultiJet system, designed with simultaneous direct injection to maximize productivity, streamline your workflow, and keep your team and crops safe.

Part#	Description
DPFB-MULT2V4-12	2" 12VDC 4-Input Fastbatch Multijet System, Viton Seals **No Pump**
DPFB-MULT3V4-12	3" 12VDC 4-Input Fastbatch Multijet System, Viton Seals **No Pump**

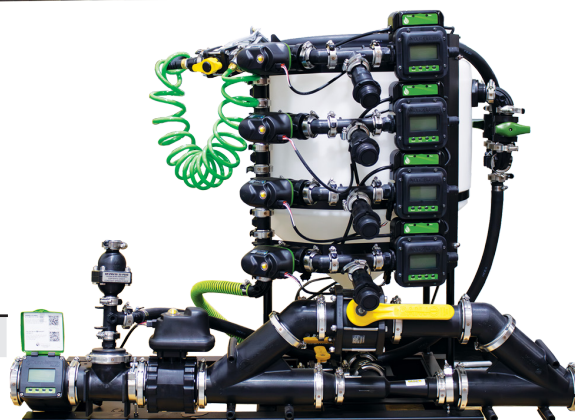


FASTBATCH

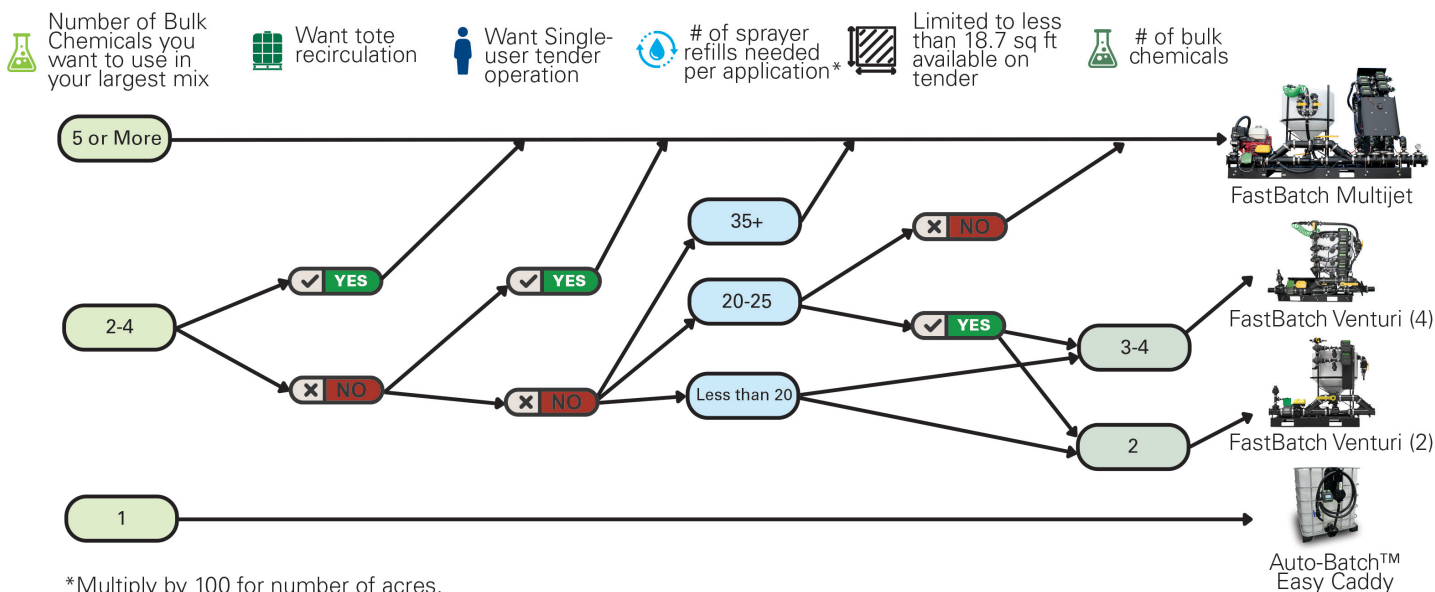
FAST BATCH VENTURI

Transform the way you mix and spray with the FastBatch Venturi, an automated venturi suction solution for efficient, accurate, and safe mixing.

Part#	Description
DPFB-VENT2V4-12	2" 12VDC 4-Input Fastbatch Venturi System, Viton Seals **No Pump**
DPFB-VENT3V4-12	3" 12VDC 4-Input Fastbatch Venturi System, Viton Seals **No Pump**



FAST BATCH SELECTION GUIDE



HIGH FLOW METERS

- Intuitive menu-driven backlit display
- Impact resistant Lexan™ faceplate
- 100% Moisture-sealed circuitry
- Multiple plumbing options
- Includes a 2-year Warranty & Maintenance Program

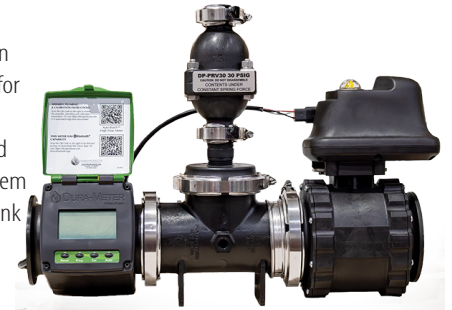


Part#	Description	DP-HFM1V
DP-HFM1V	1" High Flow Dura-Meter – M100 Manifold Flange (Viton Seals) 150 PSI	
DP-HFM2V	2" High Flow Dura-Meter – M220 Manifold Flange (Viton Seals) 150 PSI	
DP-HFM3V	3" High Flow Dura-Meter – M300 Manifold Flange (Viton Seals) 150 PSI	

Bluetooth Connectivity

AUTO-BATCH HIGH FLOW SYSTEM

- Controls carrier flow using a 12-volt DC electric ball valve
- Easily select manual or automatic operation
- Returns to last volume amount dispensed for easy repeatable batching
- Displays message when batch is completed
- Dura 1" Valve available for tank bypass system
- Banjo® EVX® 2" or 3" Valves available for tank bypass system



Part#	Description
DPAB-HFM2KITV	2" Durameter With Autobatch – 12V DC, Viton Seals
DPAB-HFM3KITV	3" Durameter With Autobatch – 12V DC, Viton Seals

DURA-PUMP

- High-Flow with up to 18 GPM/68 LPM flow rate
- Newly redesigned, simplified cartridge for easier serviceability
- Self-priming diaphragm pump with internal bypass
- Motor thermally protected from overheating
- 30-minute duty cycle
- Suction port has 2" Male NPT and 1" Female NPT
- Includes a 2-year Warranty & Maintenance Program

Part#	Description
DP-6018V-12	12V Dura-Product Chemical Pump 18 GPM (Pump Only) (Viton Seals)
DP-6018V-110	110V Dura-Product Chemical Pump 18 GPM (Pump Only) (Viton Seals)
DPE-6018V-12	12V Dura-Pump Easy Caddy without meter (Viton Seals)
DP-P6017A-V	Dura-Pump 6000 Series Replacement Cartridge Kit – O-Ring, Bottom Gasket, Viton
DPABS-6318V-12	12V Dura-Product High Flow Autobatch system – 18GPM, Viton Seals



DP-6018V-12

DPE-6018-12

DURA-METER

- Made of impact resistant Lexan™ faceplate
- 100% moisture-sealed circuitry
- Menu driven backlit display
- Plumbed both for in-line and 90 degree applications
- Includes a 2-year Warranty

Part#	Description
DP-3000V	1" Dura Product Digital Flow Meter 2-22 GPM (Viton Seals)



TOTE CAGE

- Overall height: 95" x 60.5" x 97"
- Tie Down Points
- Accepts Various Totes
- Holds Four Totes
- Powder Coated Frame

FOR CHEMICAL PUMPS
SEE PAGE 43



Part#
LD-TOTECAGE

THE "ORIGINAL" LAND SKID

No tractor modifications required

- LED lighting with front hook-up from tractor
- 1 1/2" white oak wood bed
- 8,000 lb. storage jack stands
- Rear step, grab handle and stake pockets
- Pull seed tender or desired trailer behind skid, utilizing rear integrated receiver hitch and rear RV hook-up
- Powder Coated Frame
- 16 Foot Skid (16' X 8" Framed bed)
 - Front mount from 6" to 32" behind front of bed
 - Rear mount 100" to 126" from front of bed
 - Adjustable kingpin at 75, 81, 87, 93, and 99"
- 18 Foot Skid (18' X 8" Framed bed)
 - Front mount from 23" to 50" behind front of bed
 - Rear mount 130" to 158" from front of bed
 - Adjustable kingpin at 86", 92", 98", 104", 110"



FOR HOSE REELS
SEE PAGE 11

Part#
LD-LANDSKID-16
LD-LANDSKID-18

PUMP STATION SKID

- 7' x 8' Deck
- Universal Stake Pocket Mounting
- Powder Coated Frame
- Pressure Treated Wood

FOR PUMPS
SEE PAGES 64-66



Part#
LD-PUMPSTATION



FOR CHEMICAL INDUCTORS
SEE PAGE 12



FERTILIZER KITS

- Tank and Mounting Hardware
- Flow Column Manifold Plumbing and Hardware
- Quickfill plumbing Kits
- Stainless Steel Liquid Fertilizer Placement Tubes
- Pumps, Mounts and Pump Drives
- Complete Kits Available

***Not all planter options are shown**

**PLEASE CONTACT US
FOR OPTIONS, PRICING,
AND AVAILABILITY.**



EVA APPLICATOR TUBING



Part#	Inside Diameter	Roll Length
EVA38B	3/8	500
EVA38	3/8	500
EVA12	1/2	350
EVA12B	1/2	250
EVA100	1	100

BRAIDED EVA APPLICATOR TUBING



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

"B" INDICATES BLACK HOSE

GRAIN VAC HOSE



Temperature Range: -40° to 220° (F)

Applications: General Ducting and Blower Applications

Construction: Polyurethane, Metal Wire Helix, Slightly Corrugated Exterior

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 12.5' or 25' 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
6210	10

GRAIN VAC HOSE (180 BL)



Temperature Range: -40° to 140° (F)

Applications: Suction and light blowing of lightweight abrasives such as rock wool, 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
SFHP8	8	15

HEAVY DUTY SUCTION HOSE (150 PSI)



Part#	Inside Diameter
T-2022	2
T-2023	3

PVC CLEAR VINYL TUBING (SIGHT GAUGE)



Roll: 100 Ft.

Part#	Inside Diameter	Wall Thickness
SGH1438	1/4	1/16
SGH38	3/8	1/16
SGH12	1/2	1/8
SGH58	5/8	1/8
SGH34	3/4	1/8
SGH100	1	1/8

390SD

BEST LOADING HOSE!



Roll: 100 Ft.

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 1/4	100
390SD112	1 1/2	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

URETHANE HOSE



Roll: 100 Ft.

Temperature Range: -13° to 140° (F)

Applications: All weather water and suction hose. air seeder, fertilizer sprayer, foam markers and irrigation.

Construction: Flexible PVC Blended with Polyurethane, most durable air seeder hose replacement.

Part#	Inside Diameter	Roll Length
HOSE-URETHANE0100-B/C	1	100
HOSE-URETHANE0125-B/C	1 1/4	100
HOSE-URETHANE0150-B/C	1 1/2	100
HOSE-URETHANE0175-B/C	1 3/4	100
HOSE-URETHANE0200-B/C	2	100
HOSE-URETHANE0250-B/C	2 1/2	100
HOSE-URETHANE0300-R/C	3	100

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 HOSE
SEE PAGE 48

HOSE / FITTINGS

LAY FLAT DISCHARGE HOSE (SF10E)



Roll: 300 Ft.

Part#	Inside Diameter
PVCF100	1
PVCF112	1 1/2
PVCF200	2
PVCF212	2 1/2
PVCF300	3

HOSE CUTTERS



Part#	Description
CUTTERSM	Small Hose Cutter-Up to 1-1/8"
CUTTERLG	Large Hose Cutter-Up to 1-7/8"

CABLE TIES



Part#	Description
CABLETIE-.142X8	Bag of 100
CABLETIE-.14X11	
CABLETIE-.18X15	
CABLETIE-.35X32	Bag of 25
CABLETIE-.30X14	

THREAD SEALANT



Part#	Description
Rector TruBlu	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	11/16	1 1/4
BC16	3/4	1 1/2
BC24	1 1/16	2
BC28	1 1/4	2 1/4
BC32	1 9/16	2 1/2
BC48	1 1/2	3 1/2
BC72	3	5



T-BOLT CLAMPS

Part#	Min	Max
TBC131	1.25	1.406
TBC150	1.344	1.562
TBC175	1.62	1.87
TBC200	1.87	2.12
TBC225	2.094	2.312
TBC238	2.19	2.50
TBC250	2.31	2.62
TBC300	2.78	3.09
TBC350	3.266	3.562
TBC375	3.53	3.84
TBC475	4.50	4.81



BANJO T-BOLT CLAMPS

Part#	Min	Max
TC120	1.18	1.34
TC162	1.59	1.87
TC181	1.81	2.12
TC193	1.90	2.24
TC218	2.18	2.52
TC231	2.31	2.65
TC250	2.50	2.84
TC287	2.87	3.18
TC331	3.31	3.70
TC425	4.25	4.64



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	3.75



BLUE MONSTER TAPE

Part#	Description
TEFLON TAPE-BLUE MONSTER0050X260	PTFE TEFLON TAPE 1/2" X 260", BLUE
TEFLON TAPE-BLUE MONSTER0050X1429	PTFE TEFLON TAPE 1/2" X 1429", BLUE

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
PIU316	3/16	3/16
PIU14	1/4	1/4
PIU516	5/16	5/16
PIE38	3/8	3/8
PIU12	1/2	1/2
PIU516X14	5/16	1/4
PIU38X316	3/8	3/16
PIU38X14	3/8	1/4
PIU38X516	3/8	5/16
PIU12X38	1/2	3/8

MALE ELBOWS



Part#	MPT	OD
PIME18X14	1/8	1/4
PIME14	1/4	1/4
PIME38X14	3/8	1/4
PIME14X38	1/4	3/8
PIME38	3/8	3/8

FEMALE CONNECTORS



Part#	FPT	OD
PIFC14	1/4	1/4
PIFC14X38	1/4	3/8

POLYPROPYLENE TUBING



Part#	OD	ID
100 FT. ROLLS		
PT14X100-N	.250	.170
PT38X100-N	.375	.250
PT12X100-N	.500	.375
500 FT. ROLLS		
PT14X500-B	.250	.170
PT14X500-N	.250	.170
PT38X500-B	.375	.250

"B" INDICATES BLACK HOSE

MALE CONNECTORS



Part#	MPT	OD
PIMC18X316	1/8	3/16
PIMC18X14	1/8	1/4
PIMC14	1/4	1/4
PIMC38X14	3/8	1/4
PIMC14X38	1/4	3/8
PIMC38	3/8	3/8
PIMC12X38	1/2	3/8
PIMC38X12	3/8	1/2
PIMC12	1/2	1/2

UNION TEE CONNECTORS



Part#	OD
PIT14	1/4
PIT38	3/8
PIT12	1/2
PIT38X38X14	3/8

STEM ELBOW CONNECTORS



Part#	STEM	OD
PISE14	1/4	1/4
PISE38X14	3/8	1/4
PISE38	3/8	3/8
PISE12	1/2	1/2

CROSS CONNECTORS



Part#	OD
PICR38	3/8

PUSH PULL CHECK VALVES



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

FITTINGS

MPT X HOSE BARB ELBOW



Part#		MPT	Barb
SCHEDULE 40	SCHEDULE 80		
HBE1838		1/8	3/8
	BHBE14	1/4	1/4
	BHBE1438	1/4	3/8
	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
HBE3412	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	1	1
	BHBE100114	1	1 1/4
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

HOSE BARB TEE



Part#		Barb
SCHEDULE 40	SCHEDULE 80	
	BHBT38	3/8 x 3/8 x 3/8
HBT123838		1/2 x 3/8 x 3/8
HBT12	BHBT12	1/2 x 1/2 x 1/2
HBT58		5/8 x 5/8 x 5/8
	BHBT34	3/4 x 3/4 x 3/4
	BHBT3434100	3/4 x 3/4 x 1
	BHBT100	1 x 1 x 1
HBT114		1 1/4 x 1 1/4 x 1 1/4
HBT112		1 1/2 x 1 1/2 x 1 1/2
	BHBT200	2 x 2 x 2
	BHBT300	3 x 3 x 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
HB10012		1	1/2
	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
	BHB400	4	4

MPT X HOSE BARB TEE



Part#	MPT	Barb
SCHEDULE 40		
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
MPT1234	1/2	3/4

CLOSE NIPPLE



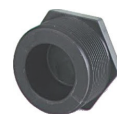
Part#	MPT	Length
SCHEDULE 40	SCHEDULE 80	
CN18		1/8 CLOSE
	BCN14	1/4 CLOSE
	BCN38	3/8 CLOSE
CN12	BCN12	1/2 CLOSE
	BCN123	1/2 3
CN34	BCN34	3/4 CLOSE
	BCN344	3/4 4
	BCN346	3/4 6
	BCN100	1 CLOSE
	BCN1004	1 4
	BCN1006	1 6
	BCN114	1 1/4 CLOSE
	BCN1144	1 1/4 4
	BCN1146	1 1/4 6
	BCN112	1 1/2 CLOSE
	BCN1123	1 1/2 3
	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

REDUCER BUSHING



Part#	MPT	FPT
SCHEDULE 40	SCHEDULE 80	
RB1218		1/2 1/8
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
	BRB3438	3/4 3/8
RB3412	BRB3412	3/4 1/2
	BRB10014	1 1/4
	BRB10012	1 1/2
	BRB10034	1 3/4
RB11412		1 1/4 1/2
	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
	BRB300112	3 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
	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

REDUCER NIPPLE



Part#	MPT 1	MPT 2
SCHEDULE 40	SCHEDULE 80	
RPN1418		1/4 1/8
RPN3818		3/8 1/8
RPN3814		3/8 1/4
RPN1214		1/2 1/4
RPN1238	BRPN1238	1/2 3/8
RPN3438		3/4 3/8
	BRPN3412	3/4 1/2
	BRPN10012	1 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

BULKHEAD FITTING



Part#	Description
BHF12	1/2" Polypropylene
BHF34	3/4" Polypropylene
BHF100	1" Polypropylene
BHF114	1 1/4" Polypropylene
BHF112	1 1/2" Polypropylene
BHF200	2" Polypropylene
BHF300	3" Polypropylene
BFH400	4" Polypropylene
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

FITTINGS

HOSE MENDER



Part#	Barb 1	Barb 2
SCHEDULE 40	SCHEDULE 80	
HM14		1/4 1/4
HM1418		1/4 1/8
HM18		1/8 1/8
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
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 ELBOW



Part#	FPT	Barb
SCHEDULE 40		
FHBE12	1/2	1/2
FHBE14	1/4	1/4
FHBE1438	1/4	3/8
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

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
	BFHB34	3/4 3/4
FHB3412		3/4 1/2
FHB34100		3/4 1
FHB1234		1/2 3/4
FHB1214		1/2 1/4
FHB1412		1/4 1/2
FHB1238		1/2 3/8
FHB38		3/8 3/8
FHB3812		3/8 1/2
	BFHB100	1 1
FHB200		2 2

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

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

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
	BRPC20012	2 1/2
	BRPC200100	2 1
	BRPC200114	2 1 1/4
	BRPC200112	2 1 1/2
	BRPC300200	3 2
RPC1418		1/4 1/8

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

AGITATOR



Part#	FPT
SCHEDULE 40	
T10-VH-PP	Agitator

FEMALE CROSS



Part#	FPT
SCHEDULE 80	
BCR12	1/2
BCR34	3/4
BCR100	1
BCR114	1 1/4
BCR112	1 1/2
BCR200	2

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

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)		

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
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

GAUGE TEE



(Gauge Not Included)

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

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, and pins
- Versatile – interchangeable with all types of cam lever couplers
- Precision molded – ensures 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" through 2" – 100 PSI at 0°F; 125 PSI at 70°F; 70 PSI at 150°F
 - 2 1/2", 3", and 4" Cap-50 PSI; Couplings 75 PSI max
- Economical and superior in performance
- Standard Fittings have EPDM gaskets.

PART # **SIZE**
LOCKING CAMLOCKS



A	
075A1/2	1/2
75A31/4	3/4
100A	1
125A	1 1/4
150A	1 1/2
200A	2
300A	3



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



B	
075B1/2	1/2
075B3/4	3/4
100B	1
125B	1 1/4
150B	1 1/2
200B90	2
300B	3
SAF100B	1
SAF200B	2
SAF300B	3



C	
050C	1/2
075C	3/4
100C	1
125C	1 1/4
150C	1 1/2
200C	2
300C	3
SAF100C	1
SAF200C	2
SAF300C	3



C-90	
150C90	1 1/2
200C90	2
200CSWP90	2



D	
050D	1/2
075D	3/4
100D	1
125D	1 1/4
150D	1 1/2
200D	2
300D	3
SAF100D	1
SAF200D	2
SAF300D	3



D-90	
200D90	2



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



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



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



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



SAFETY BUMP PLUGS	
200PLH	2
300PLH	3



CAPS	
075CAP	3/4
100125CAP	1
150CAP	1 1/2
200CAP	2
300CAP	3
SAF100CAP	1
SAF200CAP	2
SAF300CAP	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

300B200A 3" Female Coupler - 2" Male Adapter (2 Lever)

303B200A 3" Female Coupler - 2" Male Adapter (3 Lever)

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

1"

M100SWP90 1" Flange x Flange Sweep

M100BRBSWP90 1" Flange x Hose Barb Sweep

2"

M200SWP90 2" Flange x Flange Sweep 90 1-1/2" Opening

M220BRBSWP90 2" Full Port Flange x Hose Barb Sweep

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

200CSWP90 2" Female Coupler x 2" Hose Barb Sweep Elbow

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

M300SWP90 3" Flange x Flange Sweep

M300MPTSWP90 3" Flange x Male NPT Sweep

M300BRBSWP90 3" Flange x Hose Barb Sweep

M300220SWP90 M300 Flange x M220 Flange Sweep

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

CAM LEVER GASKETS



Part# Description

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

MANIFOLD FITTINGS

- 1" and 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" x 2 1/4" Flange
M200CPG	2" x 2" x 4 1/2" SP Flange
M220CPG	2" x 2" x 3" FP Flange
M220CPG6	2" x 2" x 6" FP Flange
M300CPG	3" x 3" x 4" FP Flange
M300CPG7	3" x 3" x 7" FP Flange
M300CPG12	3" x 3" x 12" FP Flange

Other Sizes Maybe Available

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°
M200CPG45	2" SP Flange 45°
M220CPG45	2" FP Flange x 45°
M300CPG45	3" Flange x 45°

FLANGED REDUCER COUPLINGS



Part#	Description
M200100CPG	2" SP x 1" Reducer Flange
M220100CPG	2" FP x 1" Reducer Flange
M220200CPG	2" FP x 2" SP Reducer Flange
M300200CPG	3" x 2" SP Reducer Flange
M300220CPG	3" x 2" 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
M220200HBT	2" Full Port Flange x 2" Hose Barb Tee
M220300HBT	2" Full Port Flange x 3" Hose Barb Tee
M300300HBT	3" Flange x 3" Hose Barb Tee

FLANGED TEE



Part#	Description
M100TEE	1" Flanged Tee
M200100TEE	2" SP x 1" Flanged Tee
M200TEE	2" SP Flanged Tee
M220100TEE	2" FP Flanged Tee x 1" Flanged Tee
M220200TEE	2" FP Flanged Tee x 2" Standard Tee
M220TEE	2" FP Flanged Tee
M300TEE	3" Flanged Tee

FLANGE X HOSE BARB



Part#	Description
M100075BRB	1" Flange x 3/4" Hose Barb
M100BRB	1" Flange x 1" Hose Barb
M100125BRB	1" Flange x 1 1/4" Hose Barb
M200100BRB	2" Flange x 1" Hose Barb
M200125BRB	2" Flange x 1 1/4" Hose Barb
M200150BRB	2" Flange x 1 1/2" Hose Barb
M200BRB	2" Flange x 2" Hose Barb
M220150BRB	2" FP Flange x 1 1/2" Hose Barb
M220BRB	2" FP Flange x 2" Hose Barb
M220100BRB	2" FP Flange x 1" Hose Barb
M300220BRB	3" Flange x 2" Hose Barb
M300BRB	3" Flange x 3" Hose Barb

FLANGE X 90° HOSE BARB ELBOW



Part#	Description
M100075BRB90	1" Flange x 3/4" 90° Barb
M100BRB90	1" Flange x 1" 90° Barb
M100125BRB90	1" Flange x 1 1/4" 90° Barb
M200100BRB90	2" SP Flange x 1" 90° Barb
M200125BRB90	2" SP Flange x 1 1/4" 90° Barb
M200150BRB90	2" SP Flange x 1 1/2" 90° Barb
M200BRB90	2" SP Flange x 2" 90° Barb
M220150BRB90	2" FP Flange x 1 1/2" 90° Barb
M220BRB90	2" FP Flange x 2" 90° Barb
M300220BRB90	3" Flange x 2" 90° Barb
M300BRB90	3" Flange x 3" 90° Barb

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)

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
M100PLG050	1" Flange Plug with 1/2" 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
M220PLG038	2" FP Flange Plug with 3/8" 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



FC220B



FC300TB

Part#	Description
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

SMART SEAL FLANGE GASKETS

**EXCLUSIVE DESIGN FOR EASY INSTALLATION*

FULL COVERAGE



FG200

Part#	Description
FG100	1" Flange EPDM Gasket
FG200	1-1/2" Flange Gasket
FG220	2" Flange Gasket
FG300	3" Flange Gasket

TRADITIONAL FLANGE GASKETS



M101G

Part#	Description
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
MCV220	2" FP Manifold Check Valve
MCV221	2" FP Flanged Poly Check Valve
MCV301	3" FP Flanged Poly Check Valve

BALL VALVES



Part#	Size	Port
V050	1/2"	1/2"
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" and 3" valves)

MANIFOLD BALL VALVES



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

CAMLOCK 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"
MVSMT300	3" Flange x 3" Male NPT Stubby Valve, Long Handle	100	3"	3"



MVS220FP



MVSF220FP



MVSMT220FP



MVS220CF



MVSF300



MVSF300FP



MVSMT300



MVS300CFFP



MVSHB220FP



MVSHB300FP

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



VSFMT204HSFP



MVS220HSFP

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"
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"



VSFMT300HSFP



MVS300HSFP



MVSF300HSFP

3-WAY MANIFOLD & THREADED 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

BOTTOM
LOAD

Part#	Size	Port
MV100BL	1"	1"
MV200BL	2"	1 1/2"
MV220BL	2"	2"
MV300BL	3"	3"

SIDE
LOAD

Part#	Size	Port
MV100SL	1"	1"
MV200SL	2"	1 1/2"
MV220SL	2"	2"

BOTTOM
LOAD

Part#	Size	Port
V075BL	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

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"

BANJO VENTURIS



PART#	DESCRIPTION
MIS220	2" Manifold Venturi Bypass Only
MIS300	3" Manifold Venturi Bypass Only

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 PSI

ELECTRIC VALVES ALSO AVAILABLE

SEE PAGE 96



LV050V



LV050100MTV



LVPL038V



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 Pull Micro Valve	150	3/8"
LVPL038V	3/8" X 3/8" Push Pull 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"



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
DM220A	2" Male Dry-Mate x 2" FPT
DM220D	2" Female Dry-Mate x 2" FPT



SINGLE UNION VALVES

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"
V10161	1"	1"



FIRE HOSE NOZZLES

Part#	Size
FN34	3/4" FPT
FN34GHT	3/4" GHT
FN100	1" FPT
FN100BR	1" FPT
FN112	1 1/2" FPT
FN112BR	1 1/2" FPT Brass
FN200	2" FPT
FN200BR	2" FPT Brass



CHECK VALVES

Part#	Size	PSI
CV34	3/4" (Threaded PVC)	1/3
CV300	3" (Threaded PVC)	1/2
CV-1101-P14	1/4" (Push pull In/Out)	1
CV-1101-P38	3/8" (Push Pull In/Out)	1
CV-1101-B38	3/8" (Hose Barb In/Out)	1
CV-1103-B38	3/8" (Barb In/Out)	3
CV-1103-P14	1/4" (Push Pull In/Out)	3
CV-1103-P38	3/8" (Push Pull In/Out)	3
CV-1103-B12	1/2" (Barb In/Out)	3



BRASS BALL VALVES

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

STAINLESS STEEL FITTINGS



CLOSE NIPPLE

Part#	Description	CN12SS
CN12SS	1/2" MPT X 1/2" MPT X 1-1/2" SS Close Nipple	
CN34138SS	3/4" MPT X 3/4" MPT X 1-3/8" SS Close Nipple	
CN100112SS	1" MPT X 1" MPT X 1-1/2" SS Close Nipple	
CN1004SS	1" MPT X 1" MPT X 4" SS Close Nipple	
CN200SS	2" SS Close Nipple	
CN300SS	3" X 3-1/2" SS Close Nipple	
CN126SS	1/2" MPT X 1/2" MPT X 6" SS Close Nipple	
CN1142SS	1 1/4" MPT X 1 1/4" MPT X 2" SS Close Nipple	
CN342SS	3/4" MPT X 3/4" MPT X 2" SS Close Nipple	
CN346SS	3/4" MPT X 3/4" MPT X 6" 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
HB3412SS	3/4" MPT x 1/2" Barb - Stainless Steel
HB100SS	1" MPT x 1" SS Hose Barb
HB100-075SS	1" 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
V200SS	2" SS FP Ball Valve



JOHN BLUE PUMPS



PSP-3240-G6H-RK



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 and 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, 13 HP E-Start Honda Engine and Base Plate

JOHN BLUE PUMPS

Double Wet Seal Technology
Vac-U-Seal Impeller
CS-150-HA12 (Shown) Equipped with Factory Installed Motor Protection
Specifications:

Rotation: CW Rotation
Pump Type: Spray Centrifugal with 12 GPM Hydraulic Motor, Factory Installed Motor Protection
158 GPM Max Flow
115 PSI Max Pressure
158 GPM @ 55 PSI
1-1/2" FPT & 220 Flanged Inlet
1-1/4" FPT & 200 Flanged Outlet
12 GPM Max Hydraulic Flow Required
3000 PSI Max Hydraulic Pressure Required



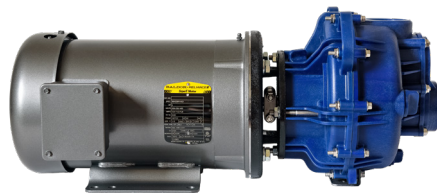
CS-150-HA12



CS-200-HA12

Part#	Description
CS-150-HA12	Wet Seal HYD Drive cent pump, 12 GPM HYD Motor w/manifold, 1-1/2" IN - 1-1/4" OUT
CS-150-HYR	Wet Seal HYD. Drive cent pump, 4 GPM HYD Motor w/ manifold, 1-1/2" IN - 1-1/4" OUT
CS-200-HA12	Wet Seal HYD. Drive cent pump, 12 GPM HYD Motor w/ manifold, 2" IN - 1-1/2" OUT

ELECTRIC



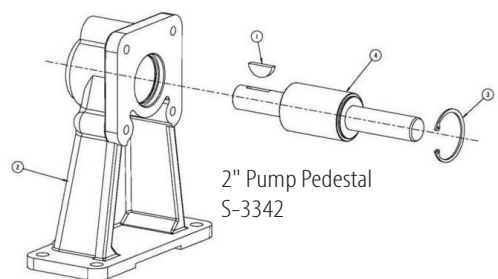
PSP-3240-E5T1B

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



PUMP ONLY

Part#	Description	PSP-3240
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	



ACCESSORIES

Part#	Description
116230-91	John Blue Baseplate Kit For Customer Supplied 13 HP Engine
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

PUMPS



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	
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
M350PH13W	3" Wet Seal Poly Pump with ≈13 HP Honda
BRIGGS & STRATTON	
200P6PRO	≈6.5 HP Briggs & Stratton with 2" Poly Transfer Pump

HONDA GX ENGINES

- 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

POWERED by
HONDA™



Part#	Description	Part#	Description
GX160UT2QX2	≈5.5 HP Honda Engine	HON1010-C.DRA	Oil Drain Kit for Honda GX120, GX160, GX200, 10 X 1.25 mm
GX160UT2QXE2	≈5.5 HP Honda Engine with Electric Start	HON1012-C.DRA	Oil Drain Kit for Honda GX240, GX270, GX390, 12 X 1.5 mm
GX200UTQX2	≈6.5 HP Honda Engine	STAN1025-C.DRA	Oil Drain Kit for ≈6.5 HP Briggs Intek Pro 206 OHV, 1/4" NPT Port
GX240UT2QA2	≈8.0 HP Honda Engine		
GX200UT2QXE2	≈6.5 HP Honda Engine with Electric Start		
GX240UT2XQA2	≈8.0 HP Honda Engine		
GX240UT2QAE2	≈8.0 HP Honda Engine with Electric Start		

BANJO PUMP REPAIR KITS

Part#	Description
12000A	Repair Kit for EPDM Poly Pumps
12999A	Banjo Pump Seal Kit 2"
12772	Banjo Pump Impeller (5 Vane)
13999	Banjo Pump Seal Kit 3"

FS TRANSFER PUMP MOTOR COVER

- Fits Most Engine-Pump Combinations

Part#	Description
MOTORCOVER-S	Small (Shown BOTTOM) - GX120 to GX240
MOTORCOVER-L	Large (Shown TOP) - GX390



ELECTRIC PUMPS DIAPHRAGM



8007-543-850



7812-111



5518-211-904

Part#	Brand	Max PSI	Voltage	GPM	Type	Ports
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
5850-201E	Delavan	60 PSI	12	5	Demand	1/2" FPT
5950-201E	Delavan	60 PSI	12	5.0	Demand	Quick Attach
7971-111Y-OEM	Delavan	100 PSI	12	7.0	Bypass	Quick Attach
5517-2E6-63B	Remco	60 PSI	12	5.3	Bypass	Buna
5517-1E1-82B	Remco	60 PSI	12	5.3	Demand	2 Pin Connector
5517-2E1-63B	Remco	60 PSI	12	5.3	Bypass	Viton/Santoprene
5518-211-904	Remco	100 PSI	12	7	Bypass	Quick Attach
5518-1E1-94A	Remco	60 PSI	12	7	Demand	Quick Attach

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



1700C



4101C



7700C

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

9200 SERIES CAST IRON, PEDESTAL-MOUNT



9203C

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



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 Inlet x 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 with 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
3430-0167	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
3430-0381	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)
3430-0589	Kit-Seal Silicon Carbide
3430-0748	Kit-Seal Repair Kit
3430-0852	Shaft for Hypro Cent Pump HM1/HM5 Motors
3430-0881	Kit-Seal (18196 & Later)

PTO ADAPTERS



Part#	RPM	Spline x Bore	Spline
90300	540 or 1000	1 3/8 x 1 5/16	9
90500	1000	1 3/8 x 1 5/16	21
90600	540 or 1000	1 3/8 x 5/8	6
90700	540	1 3/8 x 1 5/16	6



ROLLER PUMPS



R440C

Part#	GPM	PSI	RPM	Description
R440C	9.4	150	2600	4 Roller Cast Iron Pump - 5/8" shaft 3/4" FNPT Ports
R440SS	9.4	150	2600	4 Roller Cast Iron Pump - 5/8" shaft 3/4" FNPT Ports
R660C	19.6	150	1000	6 Roller Cast Iron Pump - 5/8" shaft 3/4" FNPT Ports
R660SS	19.6	150	1000	6 Roller Cast Iron Pump - 5/8" SS shaft 3/4" FNPT Ports
R880C	24.5	150	1000	8 Roller Cast Iron Pump - 15/16" shaft 1" FNPT Ports



ACE HYDRAULIC-DRIVEN CENTRIFUGAL PUMPS



FMC-150F-HYD-206



FMC-200-HYD-304



FMCWS-125-HYD-204

**GREAT FOR
PLANTER
KITS!**

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-FMCSC	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-PRO5	BAC-26-125-P	Pump - Hyd Drive 1-1/4" X 1", Wet Seal

ACE ROLLER PUMPS



RP-800C

Part#	GPM	PSI	RPM	Description
RP-800C	22.5	300	1000	Cast Iron 8 Roller Pump - 15/16 Shaft, 3/4" Inlet/Outlet

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 BEARINGS



Part#
40875
BAC-37

ACE PUMP IMPELLERS



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

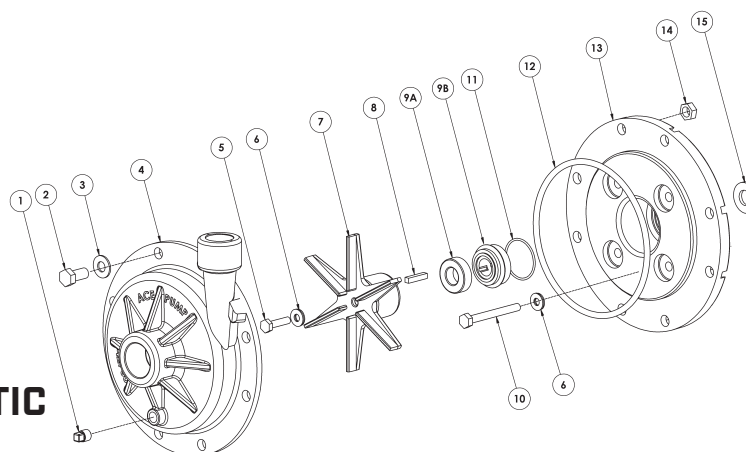
ACE PUMP REPAIR KITS



Part#
RK-FMC
RK-FMC-150
RK-FMC-650
RK-GE-75
RK-GE-85
RK-GE-660

**PLEASE CALL US FOR ALL ACE
REPLACEMENT PARTS!**

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	-

GAS ENGINE-DRIVEN CENTRIFUGAL PUMPS



CS-155RG-5H



GE-660-LE



GE-85-Honda

Part#	Repair Kit	Impeller	Description
GE-85-Honda	RK-GE-85	GE-26-85	GE-85 Centrifugal Pump with GX160 Honda Engine
GE-85-LE	RK-GE-85	GE-26-85	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-860/1660	ACAL-26-860	GE-860-LE Centrifugal Pump Only
GESC-660-LE-EC	RK-GESC-660	ACAL-28-660-EC	E-Coat Centrifugal Pump, 1 1/2" X 1 1/4", 3/4" Keyed Shaft, Silicon Carbide Seal, 110 GPM, 120 PSI Max
CS-155RG-5H	116777-01	116553-91	1 1/2" FPT x 1 1/4" FPT Outlet GX160 Honda Engine, 3/4" Shaft, 115 GPM Max
CS-155RG-6HE	116777-01	116553-91	1 1/2" FPT x 1 1/4" FPT Outlet GX 200 w/ Electric Start, Honda Engine, 3/4" Shaft, 115 GPM Max

FILL-RITE FUEL TRANSFER PUMPS



FR1210H



FR310VB

FILL-RITE®

Part#	Description
FR1210H	15GPM TRANSFER PUMP 12V DC 3/4" X 12' HOSE 3/4" MANUAL NOZZLE
FR310VB	35GPM 115/230V SUPER HF PUMP 1" ULTRA HF AUTO NOZZLE 1" X 18' HOSE

FILL-RITE FUEL NOZZLES

Part#	Description
FRHMN075S	3/4" ALUMINUM MANUAL NOZZLE SPOUT & HOOK MAX FLOWRATE 20GPM
N075DAU10	3/4" AUTO NOZZLE DIESEL SPOUT & HOOK W/ GREEN BOOT MAX FLOWRATE 14.5GPM
N075UAU10	3/4" AUTO UNLEADED NOZZLE GASOLINE SPOUT & HOOK W/ RED BOOT MAX FLOWRATE 14.5GPM
N100DAU12G	1" HF AUTO NOZZLE DIESEL SPOUT & HOOK W/ GREEN BOOT MAX FLOWRATE 25GPM
N100DAU13G	1" ULTRA HF AUTO NOZZLE DIESEL SPOUT & HOOK W/ GREEN BOOT MAX FLOWRATE 40GPM

TELESCOPING SUCTION PIPES



Part#	Description	Length
445F1863	1" POLY SUCTION PIPE WITH BELLWS	28"- 46"

FUEL ACCESSORIES

Part#	Description
S075H1314	3/4" MULTI-PLANE SWIVEL
S100H1315	1" MULTI-PLANE SWIVEL

D.E.F. PUMPS



Part#	Description
DEF115V	110V/60 HZ MEMBRANE PUMP FOR DEF 8GPM MAX PRESSURE 20PSI W/ 2 EA BARB FITTING
DEF12V	12 VDC DEF PUMP 8 GPM W/ 3/4" HOSE BARB CONNECTIONS 18' POWER CORD ON/OFF SWITCH
DEF34H	3/4" EPDM DEF HOSE (PER FOOT)
DEFNOZZLE	3/4" MANUAL POLY DEF NOZZLE W/ SS SPOUT
DEFNOZZLEA	POLY DEF NOZZLE AUTO SHUTOFF W/ 3/4" SWIVEL HOSE BARB

FLOW METERS



Part#	Description
850	1" Digital Chemical Meter with Air Eliminator
1-063-0173-653	Raven Flow Max 221 Flow Meter 15- 200 GPM
TT10PN	Turbine Meter, 1" Poly NPT , Ag Chemicals, Def, Non Potable Water
MFM220	2" Full Port Meter with Digital Meter
MFM300	3" Full Port Manifold Flow Meter

CHEMICAL TRANSFER PUMPS



Part#	Description
SS415B	12V / 13 GPM Sotera Chemical Transfer Pump only with Cast Iron Inlet
SS415BX731	12V / 13 GPM Sotera Chemical Transfer Pump only with Poly Inlet and Motor Bracket
SS460BX731	115V / 13 GPM Sotera Chemical Transfer Pump only with Motor Bracket
SS435BX713	12V / 13 GPM Sotera Chemtraveller Pump Kit
CHEMPUMPKIT	Chemical transfer pump parts kit for top and bottom suction (Pump and drop tube not included)



BULK CONTAINER COUPLERS



Part#	Description
MVC	Micro Valve Coupler
DVC	Drum Valve Coupler
MVSB	Macro Valve Storage Bracket
DVRS3KEY	Rinsing Socket
MVRS	Macro Valve Rinsing Socket
DVC-DEF	Drum Valve Coupler for DEF
DVE-BSP-3KEY	2" BSP RSV Container Valve - 2" Thread Inside, 3 Key Standard, Viton Seal
DVE-TUBE	Flex Tube Assembly
102-068	Main Drum Valve Gasket
102-074	Coupler Seal Probe - Viton

PPE SAFETY KIT

- Protective Suit
- Goggles (1 Pair)
- Gloves (2 Pairs)
- Respirator (2)



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

SOIL PROBES



Part#	Description
SOILPROBE8	8 " Hinged Soil Probe
SOILPROBE12	12" Hinged Soil Probe

FIELD MARKER FLAGS

- Hot Pink for Superior Visibility
- 5"x 8" Flag on 36" Wire
- Heavy, Fade Resistant Plastic
- 100 Per bundle



Part#	Qty
FMF	100

FOAM CONCENTRATE



Part#	Description
FOAMCONCENTRATE	Foam Concentrate - 1 Gallon, 80:1 Mix Ratio

NITRILE/NH3 GLOVES



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

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
CSB1041	Single Replacement Wheel



CALIBRATION CONTAINER

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



BUBBLE BUSTER

Part#	Description
BUBBLEBUSTER	Ag Anti-Foam Additive Bubble Buster-Quart



SPRAY TANK CLEANER

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

WIND METERS

BTMETER FEATURES:

- Measures wind speed, wind temperature, and wind chill. Includes a low battery indicator on a bright backlit LCD screen. The BT-100 is a portable wind speed gauge that can accurately measure air speed in five units: m/s, km/h, ft/min, knots, and mph. Wind temperature is displayed in °C/°F (degrees Celsius/Fahrenheit).
- Wind Speed Meter: Measures wind speed in the range of 0.67–67.1 mph ($\pm 2\%$ of readings) and wind temperature from -10° to 60°C (14° – 113°F , $\pm 2^{\circ}$, 35.6°F). Resolution: 0.1 m/s; 0.2° . Two temperature sensors and eight vanes make this air velocity meter sensitive enough to measure very low airflow in HVAC installations and duct vents.
- Metal threaded hole on the bottom of the digital anemometer allows you to mount it on a tripod for continuous wind measurements. Keeps your hands free when flying drones, RC planes, wings, helicopters, and quads, or during long-distance shooting.
- Manual/Auto Power OFF option and backlight screen for clear visibility even in the dark. Includes 2 $\times$ 1.5V AAA batteries to get you started when you receive the wind tester.



Part#	Description
WM	Portable Wind Meter

NEW

TIP/CAP MULTI-TOOL



Part#	QTY
TIPBOSS	1
TIPBOSS-10	10





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



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

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
QJ7421-1/2-NYB	1/2
QJ7421-3/4-NYB	3/4
QJ7421-1-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

MANUAL DIAPHRAGM SHUTOFF



Part#	Description
58140-NYB	Chemsaver Manual Shutoff

RETROFIT SEAL (VITON)

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



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

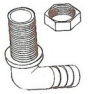
BOOM COMPONENTS

BOOM CLAMPS



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

OLD STYLE THREADED NOZZLE BODIES



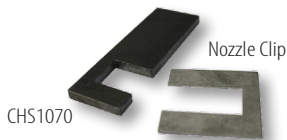
Part#	Description
8120-NYB-406TD	3/8 Nylon Tee
8120-NYB-540TD	1/2 Nylon Tee
8121-NYB-406TD	3/8 Nylon Elbow
8121-NYB-540TD	1/2 Nylon Elbow
8124-NYB-406TD	3/8 Nylon Cross
8124-NYB-540TD	1/2 Nylon Cross
CP8027-NYB	Black TeeJet Cap
8023NYB	TeeJet Nylon Nut

SWIVEL BODY ASSEMBLIES



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

NOZZLE CLIP/HOLDER



Part#	Description
NOZZLE CLIP	Aluminum Nozzle Clip
CHS1070	Nozzle Mount

NOZZLE HOSE DROPS

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



Part#	Length	Description
21353-6-15-NYB	15"	125 PSI
21353-6-24-NYB	24"	125 PSI

ADAPTERS

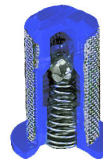


- Adapts all Quick TeeJet parts to 1/8" or 1/4" NPT
- Includes ChemSaver Diaphragm Check Valve for Drip-Free Shut-off (Opens at 10 PSI).
- Standard Diaphragm is EPDM (Viton Optional)

Part#	Description
QJ8355-1/4-NYB	1/4 FPT
8360NYB	1/4 MPT
QJT8360-NYB	11/16" Thread
CP20266EPDM	Gasket for QJT8360-NYB

STRAINERS/CHECK VALVES

Part#	Mesh
8079PP24	24
8079PP50	50
8079PP80	80
8079PP100	100
8079PP200	200
4193B-PP-5-50SS	50
4193B-PP-10-100SS	100



INLET CONNECTORS



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



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

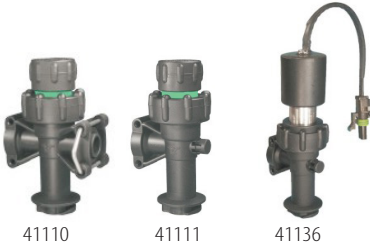
40661-00	Wilger 1" Wet Boom Nozzle Body Assembly Single Square Lug Outlet with Bolt Mount
40662-00	Wilger 1" Wet Boom Nozzle Body Assembly Dual Square Lug Outlet with Bolt Mount
40663-00	Wilger 1" Wet Boom Nozzle Body Assembly Triple Square Lug Outlet with Bolt Mount



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)

WET BOOM BODIES



41200



25176-V0

41402-V0

Part#	Description
COMBO-RATE SIDE INLET SADDLES	
41203-00	Wet Boom Saddle Assembly 3/4" 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 Conventional Outlet with O-ring

WILGER BOOM END FLUSH VALVES

25176-V0	Boom flush valve 1" FPT - VITON
41402-V0	TWS boom flush valve - 1-1/4" FPT, VITON
25175-10	Boom End Flush 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 and high levels of drift reduction. (e.g. Systemic Herbicides)

Nozzle Number

MR110-*

* Specify Opening Size Below



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.

Nozzle Number

UR110-*

* Specify Opening Size Below



Y-LINE STRAINERS



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

Y-LINE STRAINER PARTS

	Part#	Size	Mesh
1"	LS100-40	1"	40
	LS100-80	1"	80
1 1/4"	LS125-40	1 1/4"	40
	LS125-80	1 1/4"	80
	LS150-30	1 1/2"	30
1 1/2"	LS150-50	1 1/2"	50
	LS150-80	1 1/2"	80
2"	LS200-12	2"	12
	LS200-20	2"	20
	LS200-50	2"	50
	LS200-80	2"	80
2 1/2"	LS200-120	2"	120
	MLS200-50	2"	50
	MLS222-50	2"	50
3"	MLS300-20	3"	20
3"	MLS300-50	3"	50

Part#	Description
LS100-G	1" and 1 1/4" O-Ring
LS150-G	1 1/2" and 2" O-Ring
12777	Drain Plug
LSQ200PL	1/2" Clean- Out Plug
UV15163	O-ring for Drain Plug
LSQ200R	O-ring for Clean - Out Plug
LS740	40 Mesh Screen - 1/2" and 3/4" Strainers
LS780	80 Mesh Screen - 1/2" and 3/4" Strainers
LS140	40 Mesh Screen - 1" and 1 1/4" Strainers
LS180	80 Mesh Screen - 1" and 1 1/4" Strainers
LS220	20 Mesh Screen - 1 1/2" and 2" Strainers
LS230	30 Mesh Screen - 1 1/2" and 2" Strainers
LS250	50 Mesh Screen - 1 1/2" and 2" Strainers
LS280	80 Mesh Screen - 1 1/2" and 2" Strainers
LS320	20 SS Mesh Screen for 3" Strainer
LS350	50 SS Mesh Screen for 3" 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 for 2" FP Y Line Strainer

T-LINE STRAINERS



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

T-LINE STRAINER PARTS

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



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)

* Specify Mesh Size



Screen	
Mesh	Part#
50	CP45102-3-SSPP (shown)
80	CP45102-4-SSPP
100	CP45102-5-SSPP
50	CP16903-4-SSPP
80	CP16903-5-SSPP
100	CP16903-6-SSPP
16	CP15941-1-SSPP
50	CP15941-4-SSPP
80	CP15941-5-SSPP
100	CP15941-6-SSPP



HYPRO T-LINE STRAINERS



Part#	Mesh	Size	Replacement Screens	Replacement Gaskets
3350-0043A	80 on 20	1/2"	3800-0026	1700-0091
3350-0034A	50	3/4"	3800-0025	1700-0091
3350-0035A	80 on 20	3/4"	3800-0026	1700-0091
3350-0058A	50	1"	3800-0041	1700-0092
3350-0059A	80 on 20	1"	3800-0042	1700-0092
3350-0072A	50	1 1/4"	3800-0044	1700-0092

BOOM COMPONENTS

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

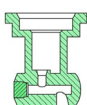
* Specify Opening Size Below

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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

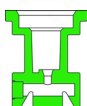
* Specify Opening Size Below

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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

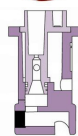
* Specify Opening Size Below

02	025	03	04	05	06
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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
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XR/XRC - TEEJET

Extended Range Flat Spray 80° / 110°

BENEFIT: ALL AROUND SPRAYING / LONG LIFE



- 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
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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 89 FOR AN APPLICATION CHART!

SEE PAGE 89 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
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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



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

* Specify Opening Size Below

015	02	025	03	04	05	06	08
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APTJ - TWINJET

Twin Flat Spray 110°

BENEFIT: LONG LIFE



- Can be used for non-PWM applications, where maximum drift control is desired
- Acetal construction for long wear & excellent chemical resistance
- Extremely compact design fits into tight boom spaces
- Twin spray pattern for improved coverage & canopy penetration
- Recommended pressure rating is 20–100 PSI

Nozzle Number	Material
APTJ-110*VP	Polymer

* Specify Opening Size Below

015	02	025	03	04	05	06	08
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SEE PAGE 89 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
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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* SS

* Specify Opening Size Below

01	015	02	025	03	04	05	06
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TK - FLOODJET

Wide Angle Flat Spray

BENEFIT: PRE-PLANT APPLICATION

- Used in High-Volume Applications

Nozzle Number	Material
TK-SS*	SS

TK-VS* SS / Acetal

* 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°



- Ideal for banding over the row or in the middle
- 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
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BOOM COMPONENTS

TeeJet®

FERTILIZER NOZZLES



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)



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 Number	Material	015	02	03	05	06	08	10
SJ3 -*_VP	Polymer							

* Specify Opening Size Above

TIP PART NO. (STRAINER MESH SIZE)	 PSI	CAPACITY ONE TIP IN GPM	APPLICATION RATE FOR 20" SPRAY TIP SPACING										
			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)	60	0.17	16.8	12.6	10.1	8.4	6.3	5.0	4.2	3.6	3.2	2.8	2.5
	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
SJ3-03-VP (50)	50	0.21	21	15.6	12.5	10.4	7.8	6.2	5.2	4.5	3.9	3.5	3.1
	60	0.22	22	16.3	13.1	10.9	8.2	6.5	5.4	4.7	4.1	3.6	3.3
	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
SJ3-04-VP (50)	40	0.30	30	22	17.8	14.9	11.1	8.9	7.4	6.4	5.6	5.0	4.5
	50	0.33	33	25	19.6	16.3	12.3	9.8	8.2	7.0	6.1	5.4	4.9
	60	0.35	35	26	21	17.3	13.0	10.4	8.7	7.4	6.5	5.8	5.2
	20	0.30	30	22	17.8	14.9	11.1	8.9	7.4	6.4	5.6	5.0	4.5
SJ3-05-VP (50)	30	0.36	36	27	21	17.8	13.4	10.7	8.9	7.6	6.7	5.9	5.3
	40	0.40	40	30	24	19.8	14.9	11.9	9.9	8.5	7.4	6.6	5.9
	50	0.43	43	32	26	21	16.0	12.8	10.6	9.1	8.0	7.1	6.4
	60	0.47	47	35	28	23	17.4	14.0	11.6	10.0	8.7	7.8	7.0
SJ3-06-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
SJ3-07-VP (50)	60	0.59	58	44	35	29	22	17.5	14.6	12.5	11.0	9.7	8.8
	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
SJ3-08-VP (50)	50	0.66	65	49	39	33	25	19.6	16.3	14.0	12.3	10.9	9.8
	60	0.70	69	52	42	35	26	21	17.3	14.9	13.0	11.6	10.4
	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
SJ3-09-VP (50)	40	0.80	79	59	48	40	30	24	19.8	17.0	14.9	13.2	11.9
	50	0.88	87	65	52	44	33	26	22	18.7	16.3	14.5	13.1
	60	0.94	93	70	56	47	35	28	23	19.9	17.4	15.5	14.0
	20	0.65	64	48	39	32	24	19.3	16.1	13.8	12.1	10.7	9.7
SJ3-10-VP (50)	30	0.90	89	67	53	45	33	27	22	19.1	16.7	14.9	13.4
	40	1.00	99	74	59	50	37	30	25	21	18.6	16.5	14.9
	50	1.11	110	82	66	55	41	33	27	24	21	18.3	16.5
	60	1.19	118	88	71	59	44	35	29	25	22	19.6	17.7
SJ3-15-VP (50)	20	0.99	98	74	59	49	37	29	25	21	18.4	16.3	14.7
	30	1.24	123	92	74	61	46	37	31	26	23	20	18.4
	40	1.50	149	111	89	74	56	45	37	32	28	25	22
	50	1.68	166	125	100	83	62	50	42	36	31	28	25
SJ3-20-VP (50)	60	1.83	181	136	109	91	68	54	45	39	34	30	27
	20	1.41	140	105	84	70	52	42	35	30	26	23	21
	30	1.75	173	130	104	87	65	52	43	37	32	29	26
	40	2.00	198	149	119	99	74	59	50	42	37	33	30
SJ3-20-VP (50)	50	2.28	226	169	135	113	85	68	56	48	42	38	34
	60	2.49	247	185	148	123	92	74	62	53	46	41	37

COLOR CODE

1	2	3	4	5	6	7	8	9	10	11	12	13
Black	White	Red	Blue	Green	Yellow	Brown	Orange	Gray	Violet ³	Lt. Blue ⁴	Raspberry Red ⁵	Lt. Green ⁵

ORDERING INFORMATION

QUICK TEEJET CAPS	PART NUMBER		FOR USE WITH FLAT SPRAY TIPS 300 PSI MAXIMUM PRESSURE
	QUICK TEEJET CAP ONLY	QUICK TEEJET CAP & SEAT GASKET SET	
	CP26277-1-NYI ²	26278-1-NYR ²	Ceramic Disc-Core D-Disc Core TXB ConeJet AITXB ConeJet
	CP114395-1-NYBI ²	114396-1-NYRI ²	 TXR ConeJet 114396-1-NYR includes gasket and O-Ring (CP7717-M10.5x1.5-VI).
	—	QJ4676-45-1/4-NYRI ²	45° Quick TeeJet cap with 1/4" NPT female threaded outlet.
	—	QJ4676-90-1/4-NYRI ²	90° Quick TeeJet cap with 1/4" NPT female threaded outlet.
	—	QJ4676-1/8-NYRI ²	Permits use of standard 1/8" and 1/4" nozzles. Can be used for mounting pressure gauge at the nozzle. (B) = BSPT
	—	QJ(B)4676-1/4-NYRI ²	
	—	114447-1-CELRI ²	Provides shutoff at nozzle for quick spacing change or change in spray swath.
	—	114447-1-CELV ²	

² These caps only available in black.

TeeJet® QUICK TEEJET CAPS

1	2	3	4	5	6	7	8	9	10	11	12	13
Black	White	Red	Blue	Green	Yellow	Brown	Orange	Gray	Violet ³	Lt. Blue ⁴	Raspberry Red ⁵	Lt. Green ⁵

ORDERING INFORMATION

QUICK TEEJET CAPS	PART NUMBER		FOR USE WITH FLAT SPRAY TIPS 300 PSI MAXIMUM PRESSURE
	QUICK TEEJET CAP ONLY	QUICK TEEJET CAP & SEAT GASKET SET	
	CP114440A- ¹ -CE	114441A- ² -CELR	TeeJet® Flat Spray Tips (Smaller Capacities)  TP Standard -0067 to -08  XR TeeJet® -01 to -08  Turbo TeeJet® (TTJ60)  AIXR TeeJet® -015 to -06  AccuPulse® TwinJet® (APTJ)
		114441A- ² -CELVI	
	CP25611-9-PP ¹	25612-9-PP ¹	 DG TeeJet®  Turbo TeeJet® (TT) -01 to -08  OC TeeJet® & TQ150
	CP25609- ² -NY	25610- ² -NYR	TeeJet Flat Spray Tips (Larger Capacities)  TP Standard -10 to -20  XR TeeJet® -10 to -15
	CP114442A- ² -CE	114443A- ² -CELR	 TJ60 TwinJet®  AI TeeJet® & AIUB TeeJet®  AI Turbo TeeJet® (AITTJ60) -02 to -06  Turbo TeeJet® Induction (TTI) -01 to -06  DG TwinJet®  SJ3 StreamJet  AIXR TeeJet® -08 to -10  TP Standard 30 to 70
		114443A- ² -CELVI	
	CP115834A- ² -CE	115835A- ² -CELR	 Turbo TeeJet® Induction (TTI) -01 to -06
		115835A- ² -CELVI	
	CP114501A- ² -CE ⁶	114502A- ² -CELR ⁶	 AI Turbo TeeJet® (AITTJ60) -08 to -15  Turbo TeeJet® Induction (TTI) -08 to -10  Turbo TeeJet® (TT) -10 to -12
		114502A- ² -CELVI ⁶	
	CP98578-1-NV ²	98579-1-NYR ²	 AI3070 -10 to -12
	CP25595- ² -NY	25596- ² -NYR	TeeJet Flat Spray Tips (Smaller Capacities) Tips can be positioned in choice of two spray plane directions—parallel or perpendicular to wings of Quick TeeJet cap.
	CP25599- ² -NY	25600- ² -NYR	 Turbo FloodJet®  TK-VP FloodJet®  TK-VS FloodJet® Locating Nib
	CP114444A- ² -CE	114445A- ² -CELR	 TK FloodJet®  TX/TXA ConeJet®  AITXA ConeJet  4916 Flow Regulator  Disc  Core Seal Core CP18999-EPR (EPDM – Standard) CP18999-VI (FKM – Optional)
		114445A- ² -CELVI	
	CP25607-9-PP ¹	25608-9-PP ¹	 FL FullJet®  TG Full Cone  Hose Shank  XE TeeJet
	CP25607- ² -NY	—	 Disc  Core Seal Core CP18999-EPR Disc-Core (Insert Core into Seal)

*Specify color code (see chart above).

¹ These caps only available in gray and rated to 150 PSI (10 bar).

² These caps only available in black.

³ Color available in CP114440A, CP114442A and CP114444A caps.

⁴ Color available in CP114440A, CP114442A and CP114501A caps.

⁵ Color available in CP114501A and CP114440A caps.

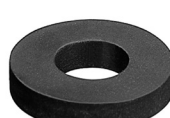
⁶ This cap offered in Black, White, Light Green, Light Blue and Raspberry Red only.

TEEJET® TECHNOLOGIES

TEEJET.COM



CP18999-EPR



CP19438-EPR



CP21953-EPR

Part#	Description
CP18999-EPR	QUICK TEEJET SEAT GASKET-EPDM FOR DISC-CORE
CP19438-EPR	QUICK TEEJET RUBBER SEAT WASHER - STANDARD EPDM
CP21953-EPR	BOOM COMPON. EPDM RUBBER DIAPHRAGM

BOOM COMPONENTS

TeeJet® FERTILIZER SPRAY TIP SELECTION GUIDE

SPRAY TIPS & DROPLET SIZE*		HERBICIDES		FUNGICIDES		INSECTICIDES		FERTILIZER		DRIFT CONTROL	PWM APPROVED	
		SOIL APPLIED	POST-EMERGENCE		CONTACT	SYSTEMIC	CONTACT	SYSTEMIC	BROADCAST			DIRECTED
			CONTACT	SYSTEMIC								
XF	VF	F	M	C	VC	XC	UC					
												
 AccuPulse TwinJet[®] APTJ		EXCELLENT		EXCELLENT				EXCELLENT		EXCELLENT	✓	
 Turbo TeeJet[®] TT			EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT	GOOD	✓	
 AIXR TeeJet[®] AIXR		VERY GOOD	EXCELLENT	VERY GOOD	GOOD	VERY GOOD	VERY GOOD	EXCELLENT		VERY GOOD		
 Air Induction TeeJet[®] AI & AIC		VERY GOOD		EXCELLENT		GOOD		VERY GOOD	VERY GOOD	EXCELLENT		
 Turbo TeeJet Induction TTI		EXCELLENT		EXCELLENT				EXCELLENT		EXCELLENT	✓	
 TTI TwinJet[®] TTI60		EXCELLENT		EXCELLENT				EXCELLENT		EXCELLENT	✓	
 XR, XRC TeeJet[®] XR & XRC			VERY GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD		GOOD	✓	
 Turbo TwinJet[®] TTJ60		GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD		VERY GOOD	✓	
 AI TurboTwinJet[®] AITTJ60		VERY GOOD	VERY GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT		EXCELLENT	✓	
 AI3070[®] AI3070					EXCELLENT	VERY GOOD				VERY GOOD		
 StreamJet[®] SJ3 & SJ3-VR								EXCELLENT		EXCELLENT		
 StreamJet[®] SJ7A & SJ7A-VR								EXCELLENT		EXCELLENT		
 StreamJet[®] PTC-VR & QJ-VR									EXCELLENT	EXCELLENT		
 StreamJet[®] SOLID STREAM									EXCELLENT	EXCELLENT		

Note: Consult the chemical manufacturer's product label for specific rate and application recommendations. Droplet size categories shown are based on ISO 25358.



EXAMPLE

Desired application rate is 20 GPA of 28% Nitrogen. Determine the correct nozzle size as follows:

$$\text{GPA (liquid other than water)} \times \text{Conversion Factor} = \text{GPA}^*$$

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

The applicator should choose a tip size that will supply 22.6 GPA of water at the desired pressure.

*From table in catalog.



SPRAY CHART

				GALLONS PER ACRE – 20" SPACING							
			MPH	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

BOOM COMPONENTS

BOOMINATOR®

REGULAR Pattern Directional Spray Nozzles

When Ordering, Please Specify **LEFT** or **RIGHT** Spray Pattern. Examples: 1870L = LEFT Pattern 1870R = RIGHT Pattern



Regular Pattern Spray Nozzles

All Regular Pattern Spray Nozzles were tested at a height of 36 inches. (Recommended operating height is between 18 & 48 inches.) Fresh water used for all testing.

These nozzles are designed for left-hand or right-hand mounting and provide a wide spray pattern with approximately 15° of kickback under the nozzle.

When using left-hand and right-hand nozzle together, adjust nozzles to allow for enough kickback overlap between the nozzles to prevent streaking in spray coverage.

Nozzles can be rotated to adjust distance of spray pattern outward or amount of kickback under the nozzle.

 1160L (Left) 1160R (Right) 1/4" MNPT				SPEED (MPH)										
				2	3	4	5	6	7					
	PSI	GPM	SPRAY PATTERN	GALLONS PER ACRE										
	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					
 1250L (Left) 1250R (Right) 1/4" MNPT				SPEED (MPH)										
				2	3	4	5	6	7					
	PSI	GPM	SPRAY PATTERN	GALLONS PER ACRE										
	20	1.5	16 ft.	23	16	12	9	8	7					
	30	1.7	16 ft.	26	18	13	11	9	8					
	40	2.0	16 ft.	31	21	16	12	10	9					
 1400L (Left) 1400R (Right) 1/4" MNPT				SPEED (MPH)										
				2	3	4	5	6	7	8	9	10	11	12
	PSI	GPM	SPRAY PATTERN	GALLONS PER ACRE										
	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
 1870L (Left) 1870R (Right) 1/4" MNPT				SPEED (MPH)										
				2	3	4	5	6	7	8	9	10	11	12
	PSI	GPM	SPRAY PATTERN	GALLONS PER ACRE										
	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

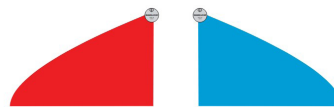




SHORT Pattern Directional Spray Nozzles

When Ordering, Please Specify LEFT or RIGHT Spray Pattern. Examples: 1165L = LEFT Pattern 1165R = RIGHT Pattern

All Short Pattern Spray Nozzles were tested at a height of 18 inches. (Recommended operating height is between 12 & 36 inches.)



1165L (Left) 1165R (Right)  1/4" MNPT				SPEED (MPH)											
	PSI	GPM	SPRAY PATTERN	2	3	4	5	6	7	8	9	10	11	12	
				GALLONS PER ACRE											
				20	30	40	50	60	70	80	90	100	110	120	
				20	30	40	50	60	70	80	90	100	110	120	
20	1.0	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	

1253L (Left) 1253R (Right)  1/4 MNPT				SPEED (MPH)											
	PSI	GPM	SPRAY PATTERN	2	3	4	5	6	7	8	9	10	11	12	
				GALLONS PER ACRE											
				20	30	40	50	60	70	80	90	100	110	120	
				20	30	40	50	60	70	80	90	100	110	120	
20	1.5	3 ft.	124	83	62	50	41	35	31	28	25	23	21		
	30	1.7	3 ft.	140	94	70	56	47	40	35	31	28	26	23	
	40	2.0	3 ft.	165	110	83	66	55	47	41	37	33	30	28	

1255L (Left) 1255R (Right)  1/4" MNPT				SPEED (MPH)											
	PSI	GPM	SPRAY PATTERN	2	3	4	5	6	7	8	9	10	11	12	
				GALLONS PER ACRE											
				20	30	40	50	60	70	80	90	100	110	120	
				20	30	40	50	60	70	80	90	100	110	120	
20	1.5	5 ft.	74	50	37	30	25	21	19	17	15	14	12		
	30	1.7	5 ft.	84	56	42	34	28	24	21	19	17	15	14	
	40	2.0	5 ft.	99	66	50	40	33	28	25	22	20	18	17	

1404L (Left) 1404R (Right)  1/4" MNPT				SPEED (MPH)											
	PSI	GPM	SPRAY PATTERN	2	3	4	5	6	7	8	9	10	11	12	
				GALLONS PER ACRE											
				20	30	40	50	60	70	80	90	100	110	120	
				20	30	40	50	60	70	80	90	100	110	120	
20	1.7	4 ft.	105	70	53	42	35	30	26	23	21	19	18		
	30	2.0	4 ft.	124	83	62	50	41	35	31	28	25	23	21	
	40	2.5	4 ft.	155	103	77	62	52	44	39	34	31	28	26	

FULL Pattern Spray Nozzles

All Full Pattern Spray Nozzles were tested at a height of 36 inches. (Recommended height is between 18 & 48 inches.) Fresh water used for all testing.

FL - Full Long - 180°
FM - Full Medium - 160°
FS - Full Short - 140°
FSS - Full Super Short - 120°



1250FS FULL PATTERN  1/4" MNPT				SPEED (MPH)						
	PSI	GPM	SPRAY PATTERN	1	2	3	4	5	6	7
				GALLONS PER ACRE						
				20	30	40	50	60	70	80
	20	1.5	16 ft.	46	23	16	12	8	7.5	6.5
	30	1.7	16 ft.	53	26	18	13	11	9	8
	40	2.0	16 ft.	62	31	21	16	12	10	9



1400FS FULL PATTERN  1/4" MNPT				SPEED (MPH)											
	PSI	GPM	SPRAY PATTERN	2	3	4	5	6	7	8	9	10	11	12	
				GALLONS PER ACRE											
				20	30	40	50	60	70	80	90	100	110	120	
	20	1.7	17 ft.	25	17	12	10	8	7	6	5.5	5	4.5	4	
	30	2.0	17 ft.	29	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	

1400FM FULL PATTERN  1/4" MNPT				SPEED (MPH)											
	PSI	GPM	SPRAY PATTERN	2	3	4	5	6	7	8	9	10	11	12	
				GALLONS PER ACRE											
				20	30	40	50	60	70	80	90	100	110	120	
	20	1.7	22 ft.	19	13	10	8	6	5.5	5	4.5	4	3.5	3	
	30	2.0	22 ft.	23	15	11	9	8	6	5.5	5	4.5	4	3.5	
	40	2.5	22 ft.	28	19	14	11	9	8	7	6	5.5	5	4.5	



BOOM COMPONENTS

TeeJet® XP - BOOMJET | Boomless Flat Spray Nozzles

NPT or BSPT (male) threads for easy installation

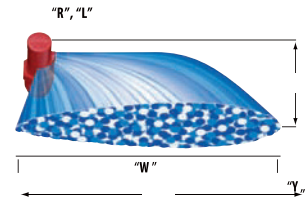
10 20 25 40 80

* Specify Opening Size Below

Nozzle Number Material

1/4XP*R-VP Acetal

1/2XP*R-VP Acetal



(B)=BSPT

	PSI	DROP SIZE	CAPACITY ONE NOZZLE IN GPM	SPRAY WIDTH "W" (FEET)		HEIGHT "Y" = 24"										HEIGHT "Y" = 36"									
						GPA FOR ONE NOZZLE										GPA FOR ONE NOZZLE									
				24" HEIGHT	36" HEIGHT	4 MPH	6 MPH	8 MPH	10 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH	4 MPH	6 MPH	8 MPH	10 MPH	15 MPH	20 MPH	2 MPH	3 MPH	4 MPH	5 MPH
(B)1/4XP10R	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
	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
(B)1/4XP10L	20	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
	30	UC	1.42	14.5	16.0	12.1	8.0	6.0	4.8	3.2	2.4	0.56	0.37	0.28	0.22	10.7	7.1	5.4	4.4	3.0	2.2	0.49	0.33	0.25	0.20
	40	UC	1.55	15.5	17.5	12.8	8.3	6.2	5.0	3.4	2.5	0.58	0.39	0.30	0.23	10.9	7.3	5.6	4.6	3.2	2.3	0.50	0.34	0.26	0.21
	50	UC	1.68	16.5	18.5	13.1	8.5	6.4	5.2	3.5	2.6	0.60	0.41	0.32	0.24	11.1	7.5	5.8	4.8	3.4	2.4	0.51	0.35	0.27	0.21
(B)1/4XP20R	20	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
	30	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
	40	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
	50	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
	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
(B)1/4XP25L	20	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
	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
(B)1/2XP40L	20	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
	30	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
	40	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
	50	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
(B)1/2XP80R	20	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
	30	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.

Nozzle Number Material

XT010	Acetal/Stainless	10
XT020	Acetal/Stainless	20
XT024	Acetal/Stainless	24
XT043	Acetal/Stainless	43
XT080	Acetal/Stainless	80
XT020G10KIT	Replacement Ring	

HYPRO BOOMLESS SPRAY NOZZLES XT - BOOM XTENDER | Boomless Spray Tips

The Boom XTender® 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.



Nozzle Size (MNPT)	Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre at swath shown MPH										GAL/1000ft ²					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				
	50	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				
	60	1.2	11.9	9.5	7.9	5.9	4.8	4.0	3.2	2.4	0.55	0.36	0.27	0.22				
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				
	50	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				
	60	1.8	15.0	12.0	10.0	7.5	6.0	5.0	4.0	3.0	0.73	0.49	0.37	0.29				
20 (1/4")	30	1.7	13.6	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				
	50	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				
	60	2.4	19.2	15.3	12.8	9.6	7.7	6.4	5.1	3.8	0.88	0.59	0.44	0.35				
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				
	50	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				
	60	2.9	22.4	17.9	15.0	11.2	9.0	7.5	6.0	4.5	1.03	0.69	0.51	0.41				
43 (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	1.68	1.12	0.84	0.67				
	50	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				
	60	5.3	45.2	36.2	30.2	22.6	18.1	15.1	12.1	9.0	2.08	1.38	1.04	0.83				
80 (1/2")	30	6.9	68.3	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				
	50	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				
	60	9.8	97.0	77.6	64.7	48.5	38.8	32.3	25.9	19.4	4.45	2.92	2.23	1.78				
167 (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				
	50	18.7	165	132	111	82.6	66.1	55.1	44.1	33.1	7.59	5.06	3.79	3.03				
	60	20.5	181	145	121	90.6	72.5	60.4	48.3	36.2	8.32	5.54	4.11	3.33				
215 (3/4")	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				
	50	24.0	186	149	124	92.8	74.3	61.9	49.5	37.7	8.52	5.68	4.26	3.41				
	60	26.3	207	163	134	103	81.4	67.9	54.9	42.7	9.41	6.27	4.67	3.73				

HYPRO 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
-----	----	-----	----	-----	----	----

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
----	-----	----	----	----	----	----	----

HYPRO 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
----	-----	-----	-----	-----	-----	-----	-----	-----	-----

HYPRO SPRAY GUNS



3381-0010

Adjust "On the Fly" Spray Pattern



3381-0021



3381-0043L

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

VALLEY INDUSTRIES SPRAY GUN

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



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

FOR MORE SPRAY GUNS
SEE NEXT PAGE



BOOM COMPONENTS

LAWN SPRAY GUNS



- 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

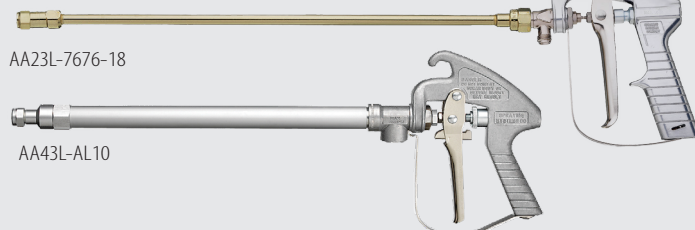
Model Number	Nozzle Tip Number	2 PSI	4 PSI	6 PSI	8 PSI	10 PSI	15 PSI	20 PSI
25660-1.5	CP25670-1.5-NY	1.4	1.9	2.3	2.6	2.9	3.4	4.0
25660-3.0	CP25670-3.0-NYB	2.0	2.7	3.2	3.6	4.1	4.9	5.6

LESCO SPRAY GUNS



Part#	Description
SPRAYGUN-CHEMLAWN	Lawn Spray Gun - 1/2" Nylon Hose Barb (3/4" FNPT when removed) 200 PSI Max, Tip Not Included
NOZZLE-CHEMLAWN3.0	Chemlawn Spray Nozzle - 3.0 GPM, Green

GUNJET SPRAY GUNS



Part#	Description
AA23L-7676-18	GunJet with 18" Extension (Brass)
AA43LA-AL10	GunJet with 13" Aluminum Barrel
AA43L-AL10	GunJet with 22" Aluminum Barrel
AB23L-7676	Repair Kit/AA23L-7676
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	15" Spray Wand
22670-PP-24	24" Spray Wand

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	15" Polypropylene Trigger Jet
50800-21-AL-406	21" Aluminum Trigger Jet

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-X8
38720-PPB-X12
38720-PPB-X18
38720-PPB-X26



REGULATING/RELIEF VALVES

Part#	Description	MAX PSI
AA110-3/8	Brass Pressure Relief Valve	300
AA110-1-DI	Ductile Iron Pressure Relief Valve	150
8460-1/2	Nylon Pressure Relief Valve	300
8460-3/4	Nylon Pressure Relief Valve	300
23120PP34	Polypropylene Pressure Relief Valve	150
23520-1/2-PP	Polypropylene Throttling Valve	150
23520-3/4-PP	Polypropylene Throttling Valve	150



244 ELECTRIC REGULATING BUTTERFLY VALVE

- 2-Wire Lead Provides Easy Installation with 12 Volt Systems
- 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
344BRL-23-03CCS	3/4" NPT Regulating Valve, 2 Way, 27 GPM
344BRL-2F-03CCS	1" Flanged Regulating Valve 344BRL, 3 RPM 6SEC RL Reg
344BRL-2F-01CCS	1" Flanged Regulating Valve 344BRL, 1 RPM 18SEC RL Reg

BOOM COMPONENTS



BANJO ELECTRIC BALL VALVES

Part#	Description
EP21A10310	Electric Valve Actuator - On/Off, 3/4 Sec, 3 Wire
EVX200ADP	EV to EVX Standard Adapter Kit
EVX121X	EVX SP Bolted Valve
EVX075SL	3/4" EVX Full Port side Load Bolted Electric Valve
EVX100SL	1" EVX Full Port side Load Bolted Electric Valve
KZ-NAZC28-1CEBS-D01	3/8" Electric Ball Valve, QD Connections

TeeJet® 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 20' Cable Mini-Din Connector



344 SERIES 3-WAY MANIFOLD VALVES

Part#	Description
344BEC-3F-C	Electric 3-Way Ball Valve 1" Flanged Ends
C530AEC-3-1/2H-P	3-Way Single Valve 1/2" Barb
191000-5-C531AEC-3	AEC Plunger Valve



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
50515-25CP05	TeeJet Ball Valve Motor



KZ VALVES



Part#	Description
C2D37-10DKO-B01	Valve - Actuated, EH7, Tx2-1/2"
C2D37	Valve Assy - TX 1/2" 2-Way, (Bottom Half M100 Flange, SS Stem & Ball)
106-0014	KZ Retainer, Hairpin, Nylon, EH7 ACT/Valve

MANUAL CONTROL VALVES

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



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
CP36301-NY	Nylon Handle for AA6B Valve



TeeJet®

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#

AA144P-1



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

1541B 1" NPT Prepressure Regulator

TR2690 Kit-Electric Control for Motorized Boom Valves 1 Section 1541B Regulating Valve, 100 PSI Gauge



1999A SOLENOID VALVE

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

Part# Description

SV.1999.1A Single Solenoid

SV.1999.2A Double Solenoid

SV.1999.3A Triple Solenoid

REPAIR KITS FOR 1999A SOLENOID

Part# Description

2515 1999A / 2201A Coil Assembly

2517 1999A Solenoid Valve Kit (Viton)

2518 1999A Solenoid Valve Kit (AFLAS)



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



TEEJET GPS GUIDANCE & AUTOSTEER SYSTEMS

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



Part#	Description	Matrix 430
GD430-GLO-P-L	Matrix 430 Kit, GLONASS, Patch Antenna, Lighter Connector	
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

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 100 PSI (7 bar) or 300 PSI (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, Regulating Valve)
90-02439-UX	Kit, 744A, 3 Boom 100 PSI, Ball Valve Harness Weatherpack
90-02439-MP	Kit, 744A, 3 Boom 100 PSI, Metri-Pack Ball/Plunger Valve Harness
90-03019-MP	Kit, 744 Single Boom 100 PSI, Metri-Pack Single Section Harness

CABLES & PARTS

Part#	Description
45-10106-UX	21' Harness, 5 Section Ball Valves, 4 Term. Weatherpack
90-50230	801 Flowmeter, 1" HB, 2.5-60 GPM
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 Speed Sensor-844E
90-02404	GPS Speed Spensor-Raven



MICRO-TRAK TURBINE TYPE FLOW METERS

- Connect wide range of flowmeters to any major brand control system to enjoy superior performance and accuracy
- Precisely monitors flow of valuable liquids and NH3
- Up to 2X the working life compared to other brands



FM270

Part#	Description
01577- P A	FM270 2" Flange 3.5-70 GPM 225 PSI Max

SERVO VALVES

- Fast acting servo valves ideally suited for responsive rate changes and accurate control



19097

Part#	Description
19096	Servo Valve, M200 Flanged or 1 1/2" FPT, 1" Butterfly, Viton O-Rings, 150 PSI
19097	Servo Valve, M200 Flanged or 1 1/2" FPT, 1.5" Butterfly, Viton O-Rings, 150 PSI, M200
16129 A	Servo Valve - M200 Flanged or 1-1/2" FPT with 1" Butterfly, Raven, 2 Pin Molded
16130 A	Servo Valve - M200 Flanged or 1-1/2" FPT with 1-1/2" Butterfly, Raven, 2 Pin Molded

SPRAYMATE II

- The SprayMate II features a compact design with built in controls for up to 3 separate boom sections. It controls application rates precisely, regardless of changing field conditions



Part#	Description
01341	SprayMate II-Self Contained with built-in Controls for up to 3 Boom Sections

ASTRO II GPS SPEED SENSORS

- Highly accurate and affordable replacement for magnetic wheel speed sensors or radar guns. Connects with ease to most brands of monitors and controllers.



Part#	Description
01410	Astro Series GPS Speed Sensors

CABLES & PARTS

Part#	Description
19906	Adapts a Raven Speed Sensor to a Micro-Trak Controller
18664	Adapts a Raven Flowmeter to a Micro-Trak Controller. This adapter is used with Raven Flowmeters made after 2012
17442	Micro-Trak Flow Sensor with a Raven style Conxall connector. Can be used with all Micro-Trak Turbine type Flowmeters to connect to a Raven Controller
17324	Adapts a Micro-Trak Servo Valve to a Raven Controller
14611	Adapts a Raven Flowmeter to a Micro-Trak Controller when +5VDC is required to power the Raven flow sensor. (Required for Raven Flowmeters made before 2012)
17325	Adapts a Micro-Trak Flowmeter to a Raven Controller
17528	Adapts a Raven Servo to a Micro-Trak Controller
19905	Adapts a Raven "Fast Valve" to a Micro-Trak Controller
14315	Power Cable
14313	Boom/Servo/Flow Harness
14316	120" 10-Pin Extension Cable
13221	Extension Cable 10 Pin MP 150, 10'

RAVEN



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

New 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



1-063-0172-125



1-063-0172-058

REGULATING VALVES

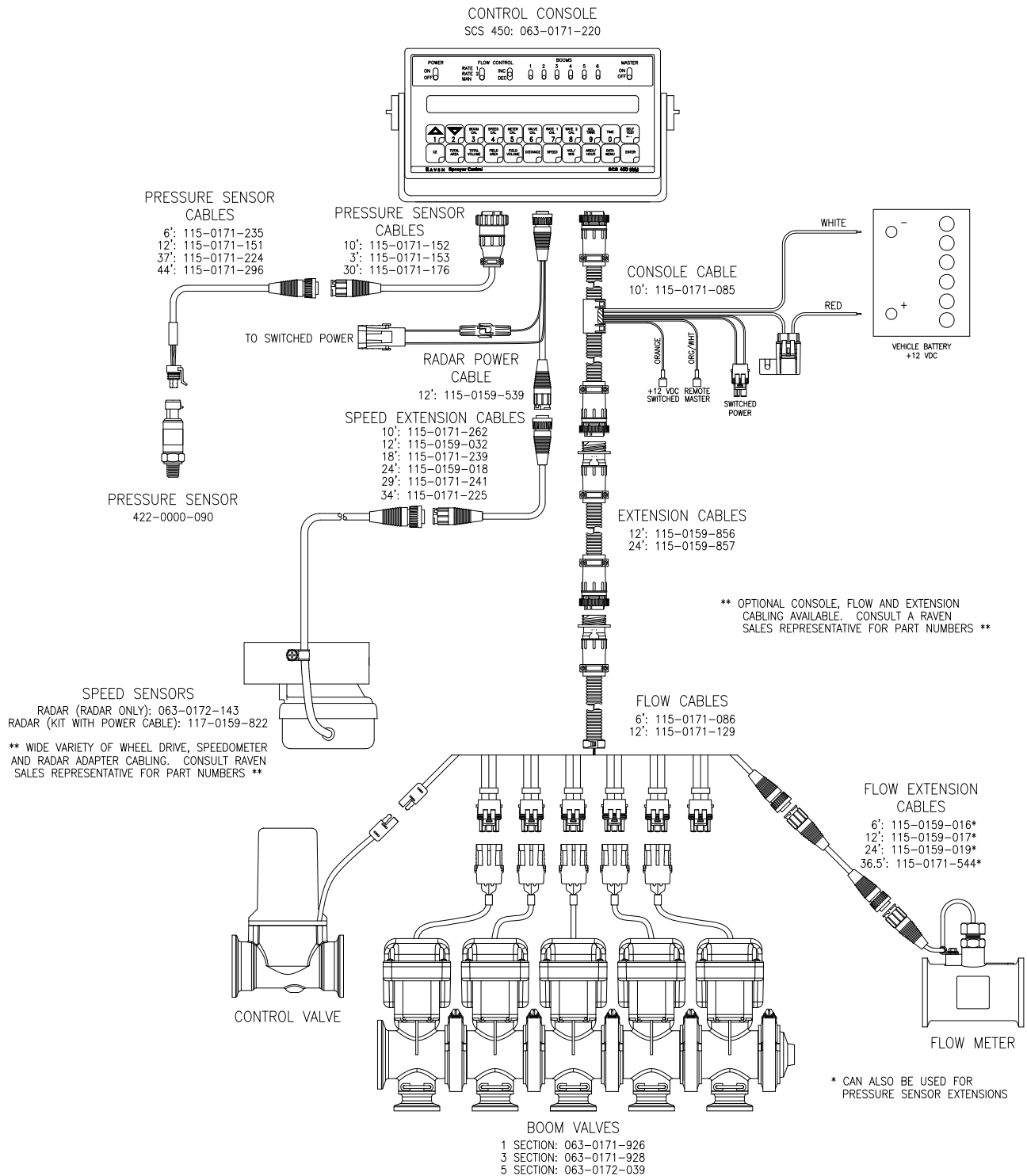
Part#	Description
1-063-0172-125	Control Valve, 1", Poly Flanged Butterfly
1-063-0171-894	Control Valve, 1 1/2", Poly Flanged Butterfly

RFM FLOW METERS

New Part#	Description
1-063-0172-058	MF270 LF Flow Meter Kit
1-063-0171-985	RFM 60P High Pulse (1-60 GPM) M200 Flange
1-063-0173-579	RFM 200P High Pulse (15-200 GPM) M300 Flange



SCS 450 LIQUID CONTROL SYSTEM



TERMS & CONDITIONS

ORDERING

- All Orders are subject to acceptance by F/S Manufacturing Inc. F/S Manufacturing Inc will confirm acceptance of an order via email or shipment of the product(s).
- Special handling, expedited shipping instructions, or general shipping instructions are required at time of order.
 - Special Handling or general shipping instructions that require additional time or delay shipments may result in an extra handling fee.
- Cancelled orders may result in a fee, which will be dependent on the actual items ordered and the status of the items ordered.
- Lead times are an estimate, F/S Manufacturing Inc will have no liability if the product fails to ship in the estimated lead time.
- Price shall be price quoted or, if no price quoted price shall be current public pricing plus any applicable surcharges.
 - Unless specifically stated prices do not include freight, insurance, sales taxes, duties, customers broker fees and other similar taxes and charges. These items shall be the sole responsibility of the customer and may be invoiced for these charges by F/S Manufacturing Inc
- F/S Manufacturing Inc may increase prices or impose surcharges as necessary due to special circumstances
- All Prices are in United State Dollars (USD)
- All Payments made in United States Dollars (USD)
- Payment by Credit Card for Discounted Orders will result in an additional Credit Card Fee
- Past Due Bills are subject to a 1.5% per month service charge or the maximum rate permitted by applicable law, whichever is less.

WARRANTY

- F/S Manufacturing Inc products are products manufactured by F/S Manufacturing Inc. Products sold but not manufactured by F/S Manufacturing Inc are not covered under F/S Manufacturing Inc. warranty. They are subject to the manufacturers' respective warranty. F/S Manufacturing Inc will facilitate the warranty claim and pass through the warranty coverage.
- F/S Manufacturing Inc warrants that products (excluding polyethylene tanks) will be free of defects in material and workmanship under normal use for a period of 1 year from the date of purchase by the end user.
- F/S Manufacturing Inc warrants that polyethylene tanks will be free of defects in material and workmanship under normal use for a period of 12 months from the date of purchase. For months 12 through 60 the warranty provided will be prorated based on the purchase date.
 - Credit provided towards tank replacement will be based on the retail price on the date of the warranty claim.

THE ABOVE WARRANTY IS THE SOLE AND EXCLUSIVE WARRANTY MADE BY F/S MANUFACTURING INC. NO OTHER EXPRESS OR IMPLIED WARRANTY OF ANY KIND, ORAL OR WRITTEN, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS MADE WITH RESPECT TO THE QUALITY, WORKMANSHIP, MATERIALS, DESIGN, PERFORMANCE, FITNESS OR SUITABILITY OF ANY F/S MANUFACTURING INC OR OTHER PRODUCT.

- 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.
- In no event shall F/S Manufacturing Inc. have any liability in connection with any order or product for special, incidental, indirect, consequential or punitive damages, including , but not limited to any loss of sales, profits, income or business, loss of contracts, loss of goodwill, damage to reputation, loss of property, or loss of information or data, whether or not advised of the possibility of such damages.

RETURNS

- Merchandise may only be returned upon authorization by F/S Manufacturing Inc.
- Sprayers that have been used cannot be returned.
- Upon authorization, merchandise must be returned freight prepaid within 90 days of purchase. All returns must specify the invoice number and the date the items were purchased.
- Credit will only be issued for new condition items for the net invoice cost less all freight charges, allowances, discounts, or restocking fees. Special order items cannot be returned.
- The final credit issued will be subject to F/S Manufacturing Inc inspection to determine condition.

FORCE MAJEURE

- Notwithstanding anything to the contrary, F/S Manufacturing Inc shall not be liable for any delay in performance or inability to perform that is directly or indirectly attributable to or caused by any circumstance or event beyond its reasonable control, including, but not limited to, war; riot; civil disturbance; act of terrorism; accident; sabotage; theft; malicious damage; confiscation; nationalization; embargo; compliance with law, rule, regulation or governmental or regulatory order or directive; act of government or authority; interruption, shortage or restriction in transportation, power, utilities, materials, parts or components; damage or destruction of facilities or equipment; natural disaster; fire; explosion; flood; storm; strike; lockout; labor dispute; labor shortage; epidemic or other widespread illness, or breach or default of suppliers or subcontractors.

GOVERNING LAW

- Quotes, orders, acceptances and these Terms and Conditions shall be governed by and interpreted in accordance with the laws in the State of North Dakota, and the rights, liabilities and obligations of F/S Manufacturing Inc and Customer shall be determined under the State of North Dakota.

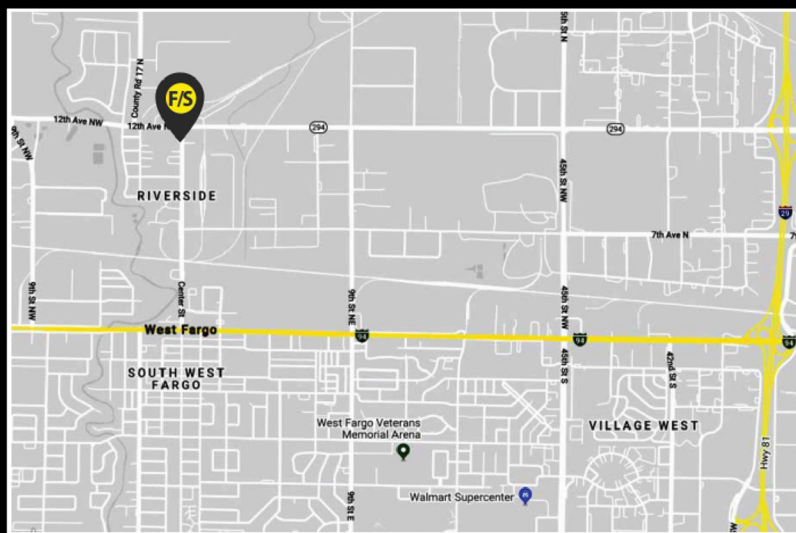
MODIFICATIONS

- F/S Manufacturing Inc reserves the right to modify these Terms and Conditions at any time at its sole discretion.



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