

Pump Accessories / Couplers

FMC-150-HYD-206



- 100 PSI at 20 GPM
- Suction 1 1/2"
- Discharge 1 1/4"
- 7 GPM hydraulic motor
- Viton mechanical seal
- Fits both Willmar 765 and 745 sprayers

Part No.	Description
FMC-150-HYD-206	Pump
WR28663	Hydraulic motor seal kit
BAC-7V	Sealkit for pump



9300 Centrifugal Pump



- Fits Willmar Xplorer and Ranger sprayers
- Max flow 82-190 GPM
- Max pressure 130 psi
- 2" inlet, 1-1/2" outlet

Part No.	Description
9303C-HM1C	Complete Pump - Xplorer
9306C-HMSC	Complete Pump-Ranger
3430-0332	Repair Kit



9200 Centrifugal Pump



- Fits Spra-Coupe and Air Ride sprayers
- Pedestal mounted
- Speeds up to 6,000 RPM
- Stainless-steel shaft
- Double bearing
- Stainless-steel mechanical seal of ceramic and carbon faces with Viton sealing elements

Part No.	Max GPM
6620618	Pump, 105
6648562	Pump, 130
6668810	3000/4000 Series Coupe PMP CW
6618020	Clutch, CCW
6626530	Clutch 3000/4000, CW



Pump Accessory Strainer

Part Number	Description	Size
150SBS	Suction Basket Strainer	1 1/2"
200SBS	Suction Basket Strainer	2"
300SBS	Suction Basket Strainer	3"



Lovejoy Coupling Half Only

Part Number	Description
LJL095-5/8	5/8" Coupling Half
LJL099-3/4	3/4" Coupling Half
LJL100-7/8	7/8" Coupling Half
LJL100-1	1" Coupling Half
LJL099-11/8	1 1/8" Coupling Half
LJL100-13/8	1 3/8" Coupling Half



Replacement Spider (Buna)

Part Number	Description
LJL090-95	Spider - 90 & 95 Series
LJL099-100	Spider - 99 & 100 Series



Adapters / Valves



Closed Transfer System

- Banjo's Closed Mix Fitting system consists of three parts, closed mix bottle adapter (CTS200AR), closed mix tank adapter (CTS200D) and a Banjo ball valve.
- Allows to safely and properly flush chemical containers.



Closed Transfer System Adapters

Part No.	Description	Max PSI	Pipe Size	Qty
CTS200AR	Closed Mix Bottle Adapter	40	63 mm btl	1
CTS200D	Tank Adapter w/ 2" Male NPT Threads	40	2"	1

Poly Micro Valves

Part No.	Description	Max PSI	Pipe Size	Opening thru ball	Qty
LV025V	1/4" Female NPT Micro Valve	150	1/4"	3/8"	1
LV038V	3/8" Female NPT Micro Valve	150	3/8"	3/8"	1
LV050V	1/2" Female NPT Micro Valve	150	1/2"	15/32"	1

Poly Micro Valves

Part No.	Description	Max PSI	Pipe Size	Opening thru ball	Qty
LV025MTV	1/4" Female X Male NPT Micro Valve	150	1/4"	3/8"	1
LV038MTV	3/8" Female X Male NPT Micro Valve	150	3/8"	3/8"	1
LV050MTV	1/2" Female X Male NPT Micro Valve	150	1/2"	15/32"	1

Poly Micro Valves

Part No.	Description	Max PSI	Pipe Size	Opening thru ball	Qty
LVHB025V	1/4" Hosebarb Micro Valve	150	1/4"	3/8"	1
LVHB038V	3/8" Hosebarb Micro Valve	150	3/8"	3/8"	1
LVHB050v	1/2" Hosebarb Micro Valve	150	1/2"	15/32"	1
LVHB075V	3/4" Hosebarb Micro Valve	150	3/4"	15/32"	1

Poly Micro Valves

Part No.	Description	Max PSI	Pipe Size	Opening thru ball	Qty
LV038050MTV	3/8" Female X 1/2" Male NPT Micro Valve for 1/2" Drain Plug	150	3/8" X 1/2"	3/8"	1
LVHB038050MTV	3/8" Female Hose Barb X 1/2" Male NPT Micro Valve for 1/2" Drain Plug	150	1/2"	3/8"	1
LV050100MTV	1/2" Female X 1" Male NPT Micro Valve for 1" Drain Plug	150	1/2" X 1"	15/32"	1
LVHB075100MTV	3/4" Female Hose Barb X 1" Male NPT Micro Valve for 1" Drain Plug	150	1"	15/32"	1

Pedestal/Hydraulic Driven Pumps

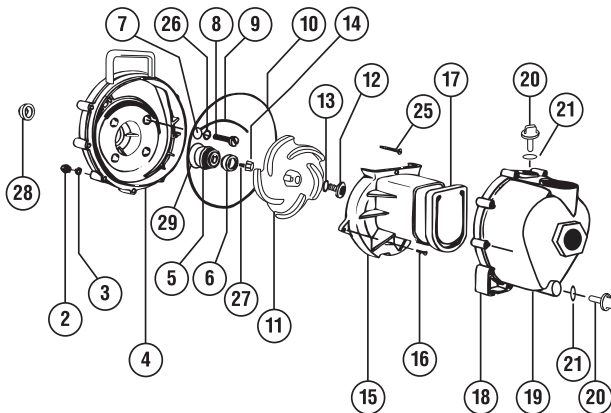
Bearing Pedestal Pumps - For Electric Motors

Part No.	Description
200PB	2" Pump/Bearing Pedestal - 3/4" Straight Shaft with Key 3-Vane Impeller
200PB-V	2" Pump/Bearing Pedestal - 3/4" Straight Shaft & 3-Vane Impeller w/ FKM & 316 SS Seal
205PB	2" Pump/Bearing Pedestal - 3/4" Straight Shaft with Key 5-Vane Impeller
205PB-V	2" Pump/Bearing Pedestal - 3/4" Straight Shaft & 5-Vane Impeller w/ FKM & 316 SS Seal
12882A	Bearing Pedestal - 3/4" Straight Shaft with Key

(Recommended RPM 3450)
(Recommended RPM 1750 for 2 HP units - Pump will not self-prime @ 1750 RPM)

Pump Only (Unassembled) - For Gasoline Engine

200PO	2" Pump Only (Unassembled) Accepts 3/4" Straight Shaft 3-Vane Impeller
200PO-V	2" Pump Only w/ 3-Vane Impeller w/ FMK & 316 SS Seal
205PO	2" Pump Only (Unassembled) Accepts 3/4" Straight Shaft 5-Vane Impeller
205PO-V	2" Pump Only w/ 5-Vane Impeller w/ FMK & 316 SS Seal



Polypropylene Self-Priming Centrifugal Pump

CURRENT DESIGN REPLACEMENT PARTS

For pumps manufactured
beginning September, 1996.

ITEM	DESCRIPTION	QTY. PER PUMP	PART NO.		
			1 1/2"	2"	3"
2	Body Nuts SS	10	V07019	V07019	V07019
3	Lock Washer SS	10	V07018	V07018	V07018
4	Poly Pump Rear Bracket	1	12703A	12703A	12703A
5&6	Seal Assembly*+	1	12713	12713	12713
7	Screw Heads "O" Ring*+	4	12717	12717	12717
8	Bracket Screws SS	4	12715A	12715A	12715A
9	"O" Ring Segment*+	1	12754	12754	12754
10	Body "O" Ring*+	1	12719A	12719A	12719A
11	3 Vane Poly Pump Impeller	1	12771A		
11	5 Vane Poly Pump Impeller+	1		12772	
11	4 Vane Poly Pump Impeller+	1			13771
12	Impeller Bolt SS	1	12765A	12765A	12765A**
13	Impeller Bolt Gasket*+	1	12774VA	12774VA	12774VA
14	Impeller Hex Nut	1	12775A	12775A	12775A
15	Poly Pump Volute	1	12702A	12702A	13702
16	Volute Screws SS	2	12725	12725	12725

ITEM	DESCRIPTION	QTY. PER PUMP	PART NO.		
			1 1/2"	2"	3"
17	Poly Pump Check Valve+	1	12705	12705	12705
18	Poly Pump Body Assembly	1	12711A	12712A	13712
19	Body Screws SS	10	12720	12720	12720
20	Prime/Drain Plug	2	12777	12777	13777
21	Prime/Drain Plug O-Ring*+	2	UV15163	UV15163	13778
25	Upper Volute Screw SS	1	12900	12900	12900
26	Rear Bracket Washer SS	4	12901	12901	12901
27	Impeller Key	1	12902A	12902A	12902A
28	Poly Pump Slinger*+	1	12716	12716	12716
29	"O" Ring for Seal Assembly*+	1	12710	12710	12710
N/S	Bearing Pedestal- 3/4" Straight Shaft w/key	1	12882A	12882A	12882A
N/S	Impeller Removal Bolt*+	1	12099	12099	12099
N/S	Pump Repair Kit (Consists of Items Marked With +)		12000A	12000A	13000
N/S	Pump Seal O-Ring Kit (Consists of Items Marked With *)		12999A	12999A	13999

**NOTE: 300P8 uses 13765 Impeller Bolt in place of the 12765 Impeller Bolt.
(Viton & Buna Seals available upon request - see price list.)

2" Cast Iron 222 Series Pumps

PUMP FEATURES

- Cast iron construction for rugged dependable service
- Carbon ceramic seal with stainless steel cup and spring with FKM (viton type) rubber
- Replaceable inlet and outlet flanges
- Dynamically balanced impeller
- Pump end separated from engine
- Heavy duty slinger seal on motor shaft
- Large weep holes between pump end and engine
- "V" Shaped for quicker priming

Hydraulic Motor:

- Hydraulic fluid capacity
Minimum 6 Gallons /
Maximum 10 Gallons
- 12 H.P. Motor
- Open or closed system
- Minimum 500 P.S.I. /
Maximum 2,000 P.S.I.



222 Series C/I Pump Hydraulic Driven

Part No.	Description	Qty.	Size
222PIHY	2" Hydraulic Driven Cast Iron Pump	1	2" x 2"

Honda Engine Features

- GX Series commercial grade
- Legendary reliability/durability
- Powerful Overhead Valve (OHV)
- 2-year commercial and homeowner warranty
- Industrial 2-stage air filter
- Quiet, easy starting
- Oil alert



6.5 Briggs & Stratton Intek Motor Features

- Cast iron cylinder sleeve
- Heavy duty flywheel
- Overhead valve
- High oil fill
- Oil Guard® low oil sensor
- Breather through air cleaner



222 Series C/I Pumps with Honda Engines

Part No.	Description	Qty.	Size
222PIH5	2" CI Pump, 5.5 HP OHV GX160 Honda	1	2" x 2"
222PIH6	2" CI Pump, 6.5 HP OHV GX200 Honda	1	2" x 2"
222PIH5E	2" CI Pump, 5.5 HP Electric Start GX160 Honda	1	2" x 2"

222 Series C/I Pumps with Briggs & Stratton

Part No.	Description	Qty.	Size
222PI6PRO	2" CI Pump, 6.5 HP Intek OHV Pro Series Briggs & Stratton	1	2" x 2"



2" Cast Iron Pedestal Pump

- Easily adaptable to electric motor (flexible coupling not included)
- 3/4" straight keyed shaft

222 Series C/I Pedestal Pump

Part No.	Description	Qty.	Size
222PBI	2" Cast Iron Pump/ Bearing Pedestal with 3/4" Straight Keyed Shaft	1	2" x 2"

* Recommended for use with 5 HP electric motor @ 3600 RPM

2" Cast Iron Pump Only

- Comes complete and ready for attachment to gasoline engine (3/4" straight keyed shaft required)

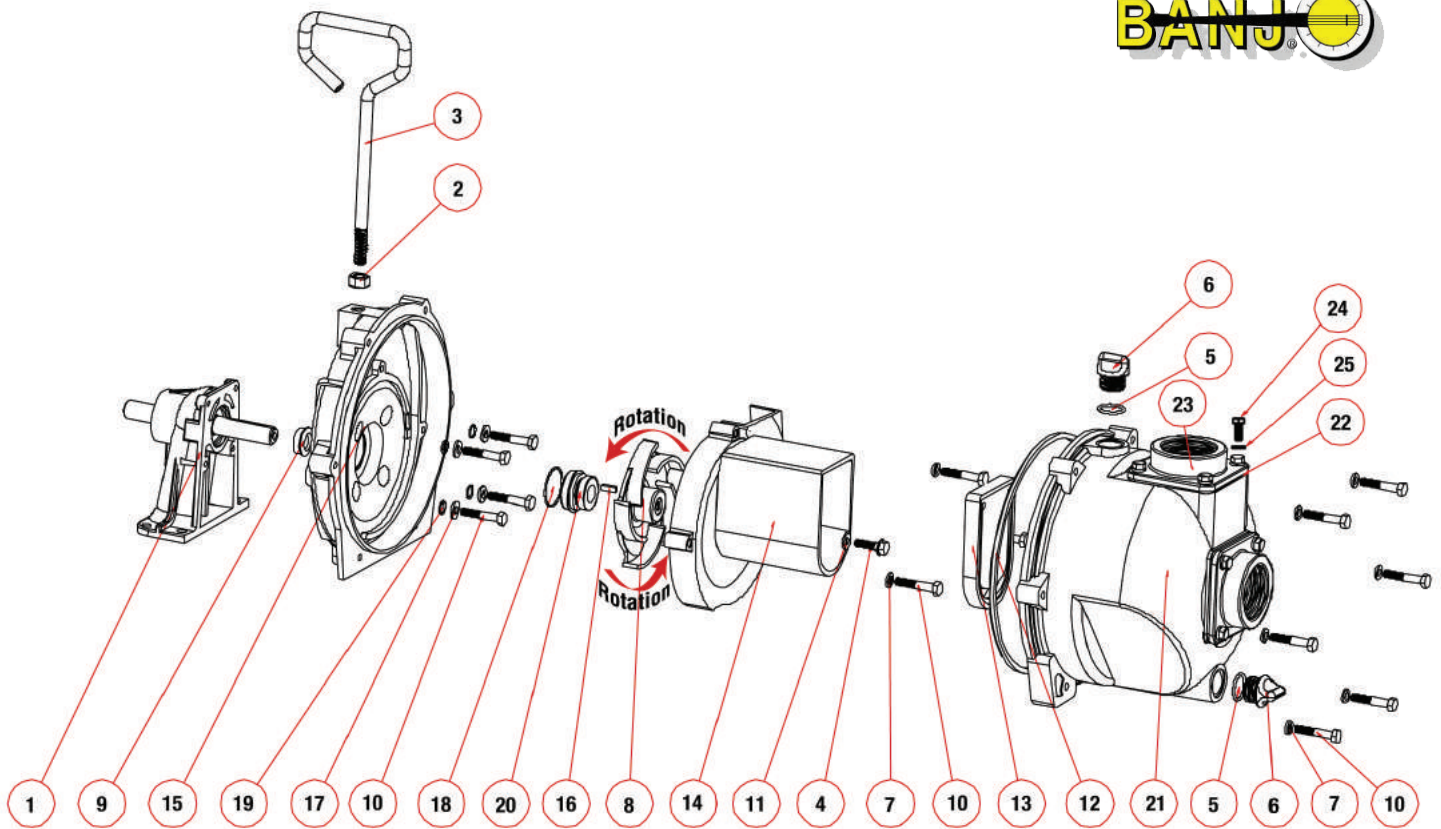


222 Series C/I Pump Only for Engine

Part No.	Description	Qty.	Size
222POI	2" C/I Pump Only (full impeller)	1	2" x 2"
225POI*	2" C/I Pump Only (trimmed impeller)	1	2" x 2"

* Recommended for use with 10 pound per gallon material or more.

222 Series Pump Parts



REPLACEMENT PARTS 222 SERIES CAST IRON PUMPS			
ITEM	PART NO	DESCRIPTION	QTY
1	12882A	Bearing Pedestal Assembly	1
1	12600B	Hydraulic Pedestal Assembly	1
2	17010	1/2" Jam Nut	1
3	15022	Handle	1
4	12765A	5/16" - 24 x 1.12 Impeller Bolt	1
5	13778	O-Ring	2
6	13777	Prime/Drain Plug	2
7	V10118	5/16" Lock Washer	9
8	15772	5 Vane Impeller	1
9	12716	Pump Slinger	1
10	12715A	5/16" - 24 x 1.75 HHCS	13
11	12774VA	Impeller Bolt Gasket	1
12	12719A	Body O-Ring	1
13	12705	Check Valve	1
14	15702	Volute	1
15	15703	Rear Bracket	1
16	12902A	3/16" sq x 5/8" Impeller Key	1
17	12901	5/16" Flat Washer	4

REPLACEMENT PARTS 222 SERIES CAST IRON PUMPS			
ITEM	PART NO	DESCRIPTION	QTY
18	12710	O-Ring	1
19	12717	O-Ring	4
20	12713V	Seal Assembly	1
20	12713SD	Severe Duty Seal	1
21	15712	Body	1
22	17013	Flange Outlet Gasket	2
23	17000	Threaded Flange	1
N/S	12099	7/16"-14 x 1.25" HHCS	1
N/S	15751	Bracket Shim	1
N/S	15752	Impeller Shim	1
N/S	17033	Z-Rails	1pr
N/S	17034	5/16" - 18 x 1 3/4" Zinc Plated	4
N/S	V10119	5/16" -18 Hex Nut	4
N/S	V10118	5/16" Lock Washer	4
N/S	15000	Repair Kit (Items 5, 8, 11-13, 18-20, 12099, 15751 & 15752)	1
N/S	15000V	FKM (viton type) Repair Kit	1
N/S	15999	Seal Kit Seal Kit (Items 5, 11-13, 18-20, 12099, 15751 & 15752)	1
N/S	15999V	FKM (viton type) Seal Kit	1

Cast Iron Pumps



FEATURES

- Pump Only packs complete and ready for attachment to gasoline engine.
- Pedestal pump for long coupling to electric motor.

IMPORTANT

- Recommended horsepower, listed below, is for water only. Heavier fluids may require additional horsepower or a trimmed impeller.



Cast Iron Pump Only

Part No.	Description	Size	HP
200POI	2" x 2" Cast Iron Pump Only	2" x 2"	N/A

Cast Iron Pedestal Pump

Part No.	Description	Size	HP
200PBI	2" x 2" Cast Iron Pump with Pedestal	2" x 2"	N/A

CAUTION-WARNING: Please do not run pumps dry, restrict or reduce port sizes or dead head pumps. This could cause component failure to pump. **DO NOT USE WITH FLAMMABLE LIQUIDS.**

Cast Iron C-Flange Pumps

Part No.	Description	Size
150POICF5/8	1 1/2" Cast Iron Pump with 5/8" Shaft Sleeve (3HP, 3450 RPM, 56C Frame Size Recommended)	1 1/2" x 1 1/2"
150POICF7/8	1 1/2" Cast Iron Pump with 7/8" Shaft Sleeve (3HP, 3450 RPM, 145TC Frame Size Recommended)	1 1/2" x 1 1/2"
200POICF5/8	2" Cast Iron Pump with 5/8" Shaft Sleeve (3HP, 3450 RPM, 56C Frame Size Recommended)	2" x 2"
200POICF7/8	2" Cast Iron Pump with 7/8" Shaft Sleeve (3HP, 3450 RPM, 145TC Frame Size Recommended)	2" x 2"
234POI	2" Cast Iron Pump with 184TC Frame Adapter	2" x 2"

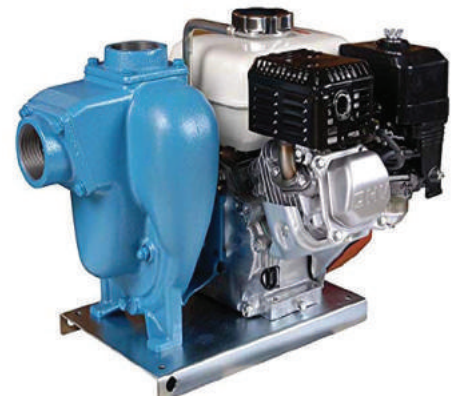


FEATURES

- Cast iron construction for rugged dependable service
- Stainless steel shaft sleeve to protect engine shaft
- Carbon ceramic seal with stainless steel cup and spring with FKM (viton type) rubber
- Replaceable inlet and outlet flanges
- Dynamically balanced impeller



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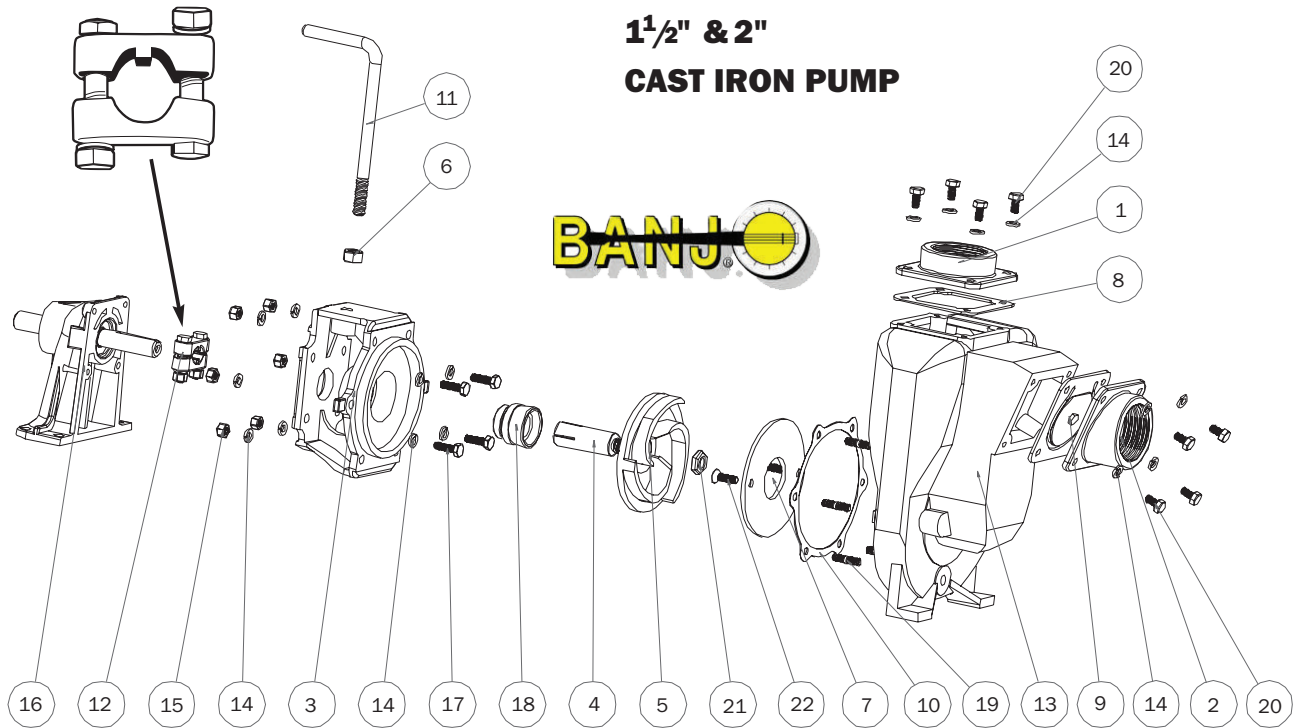
2" Self Priming Centrifugal Pumps w/ Briggs & Stratton

Part No.	Description	HP
200PI-3	2" x 2" Cast Iron Pump x 3.5 HP Briggs	3.5
200PI6PRO	2" x 2" Cast Iron Pump x 6.5 HP Briggs Pro Series	6

2" Self Priming Centrifugal Pumps w/ Honda Engine

Part No.	Description	HP
200PIH-5	1 1/2" x 1 1/2" C.I. Pump with Pedestal	N/A
200PIH5E	2" x 2" Cast Iron Pump with Pedestal	N/A

Centrifugal Pump Self Priming Parts



Replacement Parts 1 1/2" Cast Iron Pumps

Item	Part No.	Description	Qty.
1	17001	Threaded Outlet Flange	1
2	17003	Threaded Inlet Flange	1
3	17004	C-Flange Adapter	1
4	17006	3/4" Sleeve Drive	1
5	17008*	5" Impeller	1
5	17008-4.6	4.6" Trimmed Impeller	1
5	17008-4.1	4.1" Trimmed Impeller	1
6	17010	1/2" Hex Nut	1
7	17011	Wear Plate	1
8	17013	EPDM Gasket	1
9	17016	Check Valve Assembly	1
10	17018	Gasket Adapter	1
11	15022	Handle	1
12	17023	58" Clamp for 3/4" Shaft Assembly (Old Style)	1
12	17123	58" Clamp for 3/4" Shaft Assembly (Keyed)	1
12	17024	78" Clamp for Shaft Assembly	1
13	17026	Pump Housing	1
14	V10118	516" Lock Washer	18
15	V10119	516" - 18 SS Hex Nut	6
N/S	12882R	Housing	1
N/S	12883R	Bearing Pedestal w/ 3/4" Shaft Only	1

N/S	12884	Internal Retaining Clip for Pedestal	1
N/S	12883B	Bearings	2
16	12882A	Complete Pedestal Assembly	1
17	17040	516" - 24 x 1.00" Cap Screw	4
18	17028	EPDM Seal Assembly	1
18	17035*	FKM (viton type) Seal Assembly	1
18	17035SD	Severe Duty Seal	1
19	17042	Stud	6
20	17019	516" - 18 x 3/4" Cap Screw	8
21	17009B	1/2" Hex Nut	1
22	17130	C Sink Flat Head Screw	2
N/S	17032	1/4" Drain Plug	1
N/S	17033	Z Rails (Pair)	1
N/S	17100	Repair Kit (Consists of items 4,5*,7,10,18*)	1

3" Cast Iron Pump Manifold Flanges

Part No.	Description	Qty.
M18008	3" Manifold Outlet Flange	1
M18012	3" Manifold Inlet Flange	1

3" Cast Iron Pump

3" Gas Driven Cast Iron Self-Priming Centrifugal Pump



FEATURES

- Cast iron construction for rugged dependable service
- Stainless steel shaft sleeve to protect engine shaft
- Carbon ceramic seal with stainless steel cup and spring with KM (viton type) rubber
- Replaceable inlet and outlet flanges
- Dynamically balanced impeller



3" Cast Iron Pumps w/ Gas Engines

Part No.	Description	Qty.	HP
300PIH-8	3" Cast Iron Pump w/ 8 HP Honda Engine w/ Electric Start & Pull Rope	1	8
300PIH13	3" Cast Iron Pump w/ 13 HP Honda Engine w/ Electric Start & Pull Rope	1	13

3" Cast Iron Pump Only & Bearing Pedestal Pumps



FEATURES

- Pump Only packs complete and ready for attachment to gasoline engine.
- Pedestal pump for long coupling to electric motor.

IMPORTANT

- Banjo Pumps will not self-prime if a 1750 RPM motor is used.
- Recommended horsepower, listed below, is for water only. Heavier fluids may require additional horsepower or a trimmed impeller.



3" Cast Iron Pump Only

Part No.	Description	Qty.
300POI	3" Cast Iron Pump Only for 1" Shaft	1

3" Cast Iron Bearing Pedestal

Part No.	Description	Qty.
300PBI	3" Cast Iron Bearing Pedestal w/ 1" Shaft	1

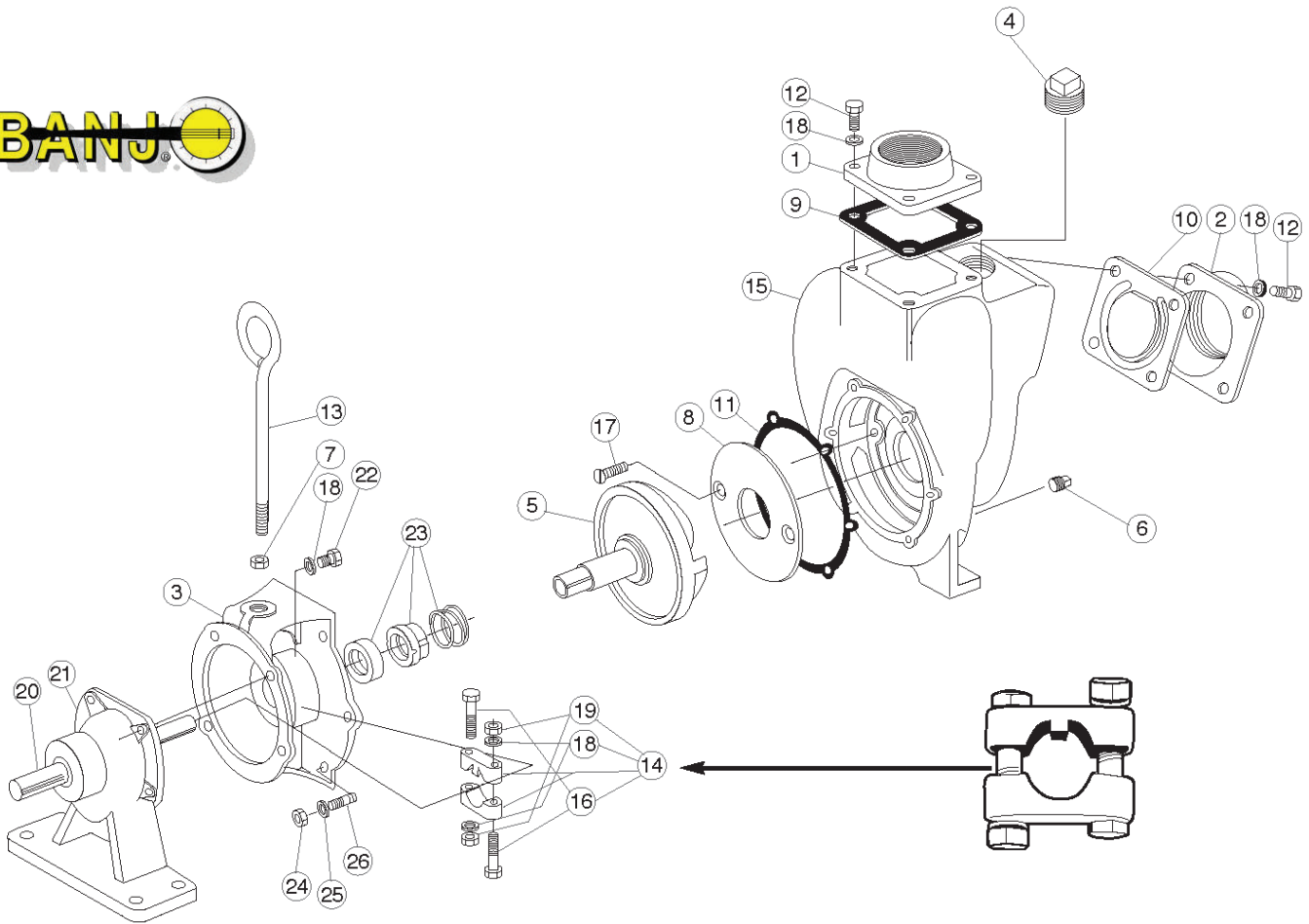
Note: * Recommend: 7½ HP, 3450 RPM, 184TC Frame Size for close coupling to electric motors.



3" Cast Iron Pump Manifold Flanges

Part No.	Description	Qty.
M17000	2" Manifold Outlet Flange	1
M17002	2" Manifold Inlet Flange	1

3" Cast Replacement Parts



Replacement Parts 3" Cast Iron Pumps			
Item	Part No.	Description	Qty
1	18008	NPT Outlet Flange	1
1	M18008	3" Manifold Outlet Flange	1
2	18012	NPT Inlet Flange	1
2	M18012	3" Manifold Outlet Flange	1
3	18026	Adapter for Gas Engine	1
3	18048	C-Flange Adapter	1
3	18049	Hydraulic Motor Adapter	1
N/S	18055	Hydraulic Adapter Shaft	1
4	18002	1" NPT Flush Plug	1
5	18023	1" Impeller & Drive Shaft for Gas Engine	1
5	18023-1.125	118" Impeller & Drive Shaft for Electric Motor	1
6	18003	½" NPT Plug	1
7	18034	58" SS Jam Nut	1
8	18004	Wear Plate	1
9	18009	EPDM Outlet Gasket	1
10	18013	Gasket Check Valve Assembly	1
11	18021	Adapter Gasket	1
12	18010SS	38" - 16 x 118" SS Cap Screw HXHD	8

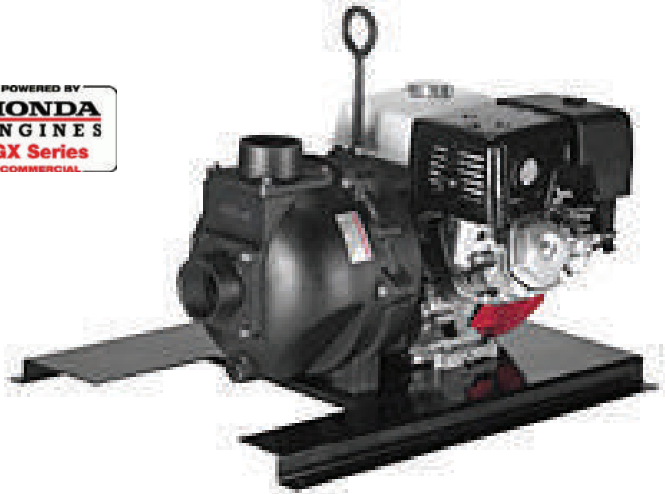
13	18033	Handle	1
14	18029	Clamp Assembly (Old Style)	1
14	18129	Clamp Assembly (New Style)	1
15	18001	Pump Housing	1
16	18030	38" - 24 x 2¼" Bolt	2
17	18106	Wear Plate Flat Head Screw	2
18	V20018	38" Lock Washer	8
19	18032	38" x 24 SS Hex Nut	2
20	18504	1" Shaft	1
21	18500	Bearing Pedestal	1
N/S	18502	Bearing SKF66306-2RS1/C3	2
22	17704	Bolt	4
23	18025	FKM (viton type) Seal Assembly	1
23	18025SD	Severe Duty Seal	1
24	V20019	38" 16 SS Hex Nut	6
25	V20018	38" SS Lock Washer	6
26	18218	38" - 16 x 38" - 24 x 1½" SS Stud	6
N/S	18035	Z-Rail Mounting Bracket (Pair)	1
N/S	18100	Repair Kit (Consist of items 5, 8, 11, 15, 19, 26)	1

Cast Iron 333 & 444 Series Pumps

333 Series Cast Iron Self-Priming Pumps

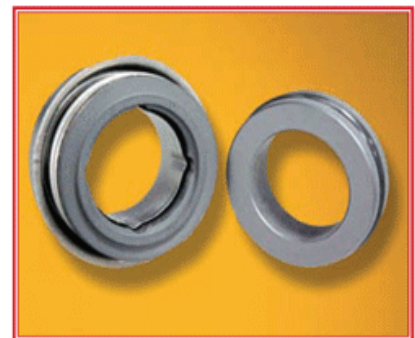
FEATURES

- Durable cast iron construction
- Dynamically balanced impeller
- Replaceable inlet and outlet flanges
- Graphite loaded silicon carbide seal with stainless steel cup and spring with FKM (viton type) rubber
- Pump end separated from engine
- Large weep holes between pump end and engine
- "V" Shaped for quicker priming



333 Series Cast Iron Pumps			
Part Number	Description	Qty.	Size
333PIE15	3" Cast Iron Pump with 15 HP Electric Motor	1	3" x 3"
333PBI	3" Cast Iron Pump with 3" Inlet and 3" Outlet/Bearing pedestal w/ 1" Shaft	1	3" x 3"
333PIH13	3" Cast Iron Pump with 13 HP Honda Engine	1	3" x 3"
333POI	3" Cast Iron Pump Only w/ 1" Shaft & 5 Vane Impeller Unassembled	1	3" x 3"
333POICF	3" Cast Iron Pump Only w/ 1 3/8" shaft & 5 Vane Impeller Unassembled for 215TC Frame	1	3" x 3"

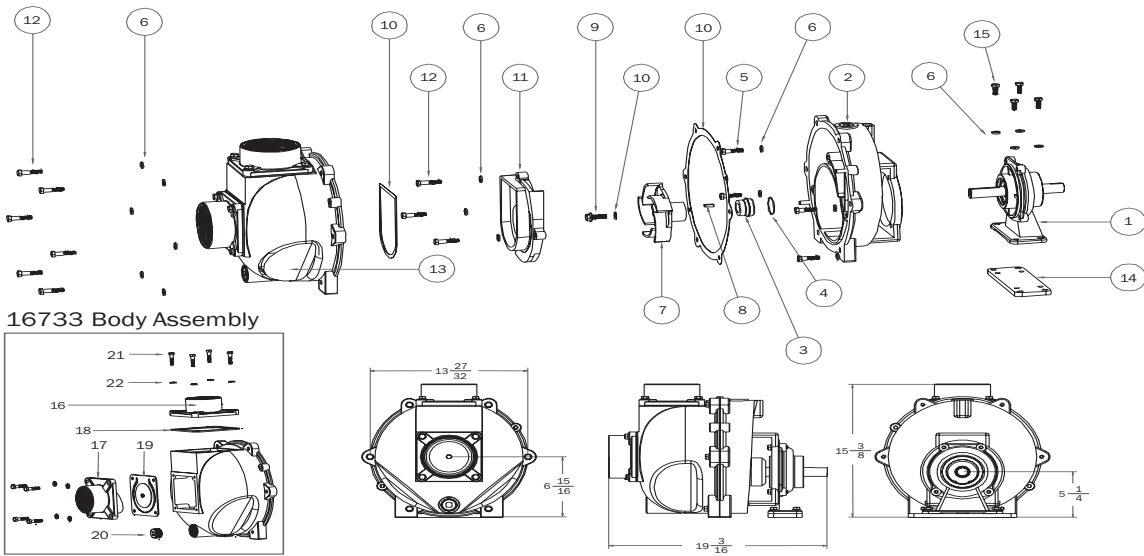
444 Series Cast Iron Self-Priming Pumps



Better Run Dry Capabilities!

444 Series Cast Iron Pumps			
Part No.	Description	Qty.	Size
444PIH24	4" Cast Iron Pump with 24 HP Honda Engine	1	4" x 4"
444POI	4" Cast Iron Pump Only w/ 1 1/8" x 3 1/2" Shaft & 6 Vane Impeller Unassembled	1	4" x 4"

333 Series Pump Parts

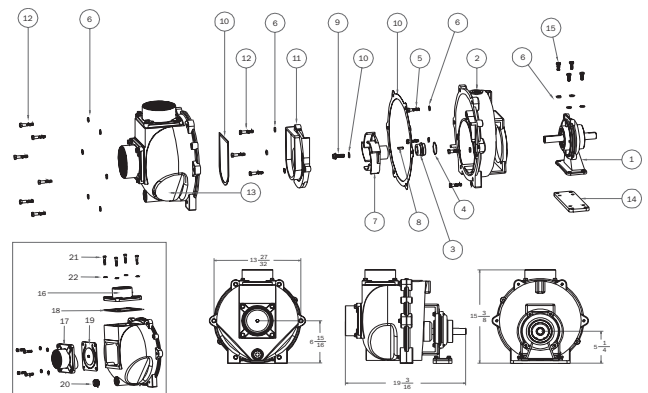


Replacement Parts 333PI16 - 333PBI						
Item	Part No.	Description	333PIH16	333PBI16	333PBI	Qty.
N/S	16099	Impeller Removal Bolt	X	X	X	1
1	18500	Bearing Pedestal (333PBI)			X	1
2	16704	3" Hi. Vol. Rear Bracket, 500 GPM	X	X	X	1
3	16713	4" Pump Mechanical Seal	X	X	X	1
4	16710	O-Ring F/16713 Mechanical Seal	X	X	X	1
5	17704	3/8" - 16 x 1.25" SS Cap Screw (333PBI)			X	4
6	V20018	3/8" SS Lock Washer	X	X	X	17
7	16773	3" Impeller (333PBI)		X	X	1
7	16774	3" Impeller (333PIH13)	X	X	X	1
8	16901	1/4" Sq. 3/4" Key Stock	X	X	X	1
9	16765	Impeller Bolt, 7/16 - 20 x 1.25 HFS		X	X	1
10	16019	Gasket Set	X	X	X	1
11	16702	4" Pump Volute	X	X	X	1
12	V20011SS	3/8" - 16 x 1.75" SS Bolt	X	X	X	9
13	16733	333 Pump Body, Assembled	X	X	X	1
14	18511	Adapter Plate f/18501 444 Pump			X	1
15	18512	3/8" - 16 x 0.875" SS HHCS			X	4
N/S	16751	4" Pump Bracket Shim Set	X	X	X	1
N/S	16752	4" Pump Impeller Shim	X	X	X	1
N/S	18033	Handle 5/8 - 11 Thread	X	X	X	1
N/S	18034	3/8" SS Jam Nut	X	X	X	1
16	16001	3" Pump Outlet Flange	X	X	X	1
17	16003	3" Pump Inlet Flange	X	X	X	1
18	16706	Outlet Gasket	X	X	X	1
19	16011	Inlet Gasket w/ Check	X	X	X	1
20	18002	1" NPT Plug	X	X	X	1
21	18027	3/8" - 16 x 1.50" HHCS (333PIH13)	X	X		8
22	V20018	3/8" SS Lock Washer	X	X	X	8
N/S	16101	Repair Kit (Includes items 16099, 3, 4, 7, 8, 10, 16751, 16752)	X	X	X	1

4" Cast Iron 444 Series Pumps

Replacement Parts 444 Series

Item	Part No.	Description	444I18	444PBI	433 PBI	444PIH24	Qty.
N/S	16099	Impeller Removal Bolt	x	x	x	x	1
1	18500	Bearing Pedestal		x	x		1
2	16703	Rear Bracket (444PBI)	x	x			1
2	16704	Rear Bracket (433PBI)			x		1
2	16707	4" 24 HP Rear Bracket, Assembled				x	1
3	16713	Mechanical Seal	x	x	x		1
3	18435	4" Pump Mechanical Seal				x	1
4	16710	O-Ring	x	x	x		1
5	17704	3/8" - 16 X 1.25" SS Cap Screw	x	x	x		4
6	V20018	3/8" SS Lock Washer	x	x	x	x	171
7	16772	4" Impeller -5 Vane (444PBI)	x	x			1
7	16773	3" Impeller (433PBI)			x		1
7	16775	4" 24 HO Pump Impeller, 6 vane				x	1
8	16901	1/4" Sq. 3/4" Key Stock	x	x	x	x	1
9	16765	Impeller bolt	x	x	x	x	1
10	16019	Gasket Set	x	x	x	x	1
11	16702	Volute	x	x	x	x	1
12	V20011SS	3/8" - 16 X 1.75" SS Bolt	x	x	x	x	9
13	16712	Body (444PBI)			x		1
13	16743	Body (433PBI)		x	x		1
14	18511	Adapter Plate		x	x		1
15	18512	3/8" - 16 X 0.875" SS HHCS		x	x		4
N/S	16751	Bracket Shim Set	x	x	x	x	1
N/S	16752	Impeller Shim	x	x	x	x	1
N/S	18033	Handle	x	x	x	x	4
N/S	18034	5/8" SS Jam Nut	x	x	x	x	1
16	16000	4" Outlet flange (444PBI)	x	x		x	1
16	16001	3" Outlet Flange (433PBI)			x		1
17	16002	Inlet Flange	x	x	x	x	1
18	16706	Inlet Gasket with Check	x	x	x	x	1
19	16011	Outlet Gasket	x	x		x	1
20	18002	1" NPT Plug	x	x	x	x	1
21	18027	3/8" - 16 X 1.50" HHCS	x	x	x	x	8
22	V20018	3/8" SS Lock Washer	x	x	x	x	8
N/S	16100	4" Repair Kit (Includes Items 16099, 2, 4, 7, 8, 9, 10, 16751, 16752)			x		1
N/S	16101	3" Repair Kit (Includes items 16099, 3, 4, 7, 8, 9, 10, 16751, 16752)	x	x		x	1



2" & 3" Poly Hydraulic Pumps

2" & 3" Polypropylene Hydraulic Centrifugal Pump



GRESEN® MGG2 HYDRAULIC MOTOR

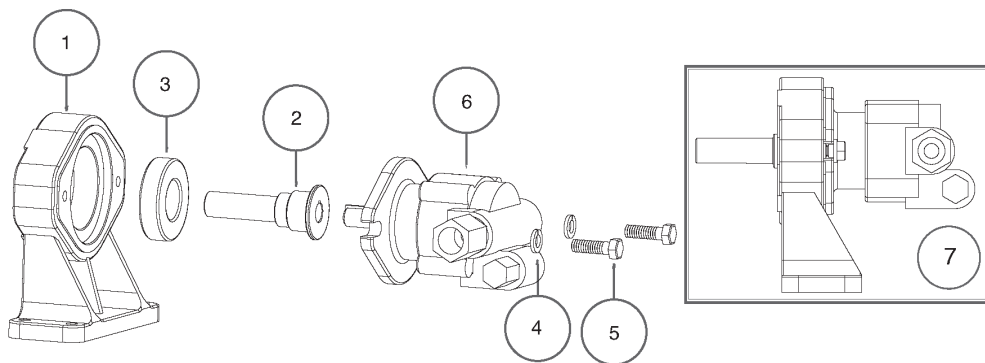
- Hydraulic fluid capacity
Minimum 6 Gallons / Maximum 10 Gallons
- 12 H.P. Motor
- Open or closed system
- 3600 R.P.M.

2" Poly Hydraulic Pumps

Part No.	Description	Qty.	HP
200PHA	2" Poly Pump without Hydraulic Motor	1	N/A
200PHY	2" Poly Pump w/ 12 HP Hydraulic Motor	1	12
200PHYW	2" Poly Wet Seal Pump w/ 12 HP Hydraulic Motor	1	12

3" Poly Hydraulic Pumps

Part No.	Description	Qty.	HP
300PHY	3" Poly Pump w/ 12 HP Hydraulic Motor	1	12
300PHYW	32" Poly Wet Seal Pump w/ 12 HP Hydraulic Motor	1	12



Replacement Parts 2" Hydraulic Adapter

Item	Part No.	Description	Qty.
1	12049B	Hydraulic Pedestal Housing	1
2	12055B	Adapter Shaft	1
3	17056	Bearing	1
4	V20018	3/8" Lock Washer	2
5	18010SS	3/8" - 16 x 1.25" HHCS	2
6	HY1013	Hydraulic Motor	1
7	12600B	Complete Hydraulic Assembly	1

3" Cast Iron Hydraulic Pumps

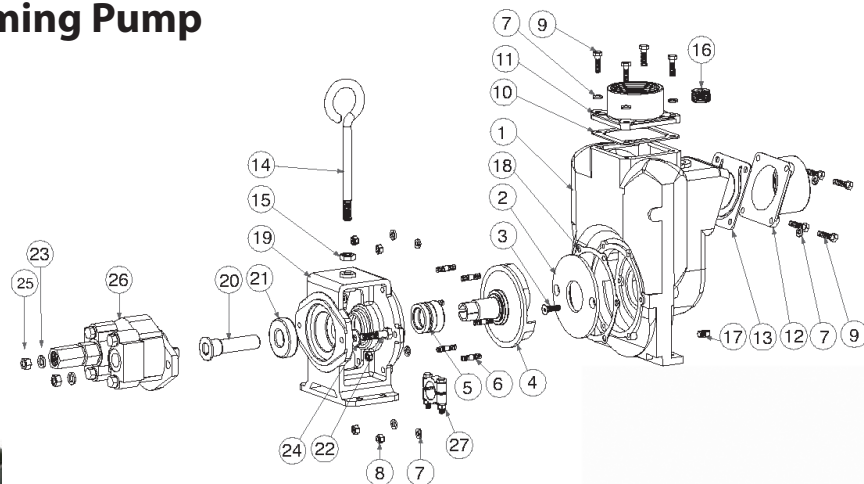
3" Hydraulic Motor Driven Self-Priming Pump

PUMP FEATURES

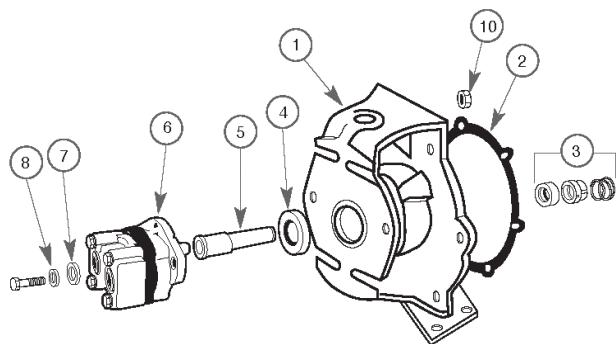
- Rugged construction for dependable service
- Carbon ceramic seal with stainless steel cup and spring with FKM (viton type) rubber
- Replaceable inlet and outlet flanges
- Dynamically balanced impeller

HYDRAULIC MOTOR

- Hydraulic fluid capacity Minimum 9 Gallons / Maximum 13 Gallons
- 21 H.P. Motor
- Open system
- Minimum 600 P.S.I. / Maximum 3000 P.S.I.



3" Cast Iron Hydraulic Pumps			
Part No.	Description	HP	Qty.
300PIHY	3" Cast Iron Pump w/ 21 HP Hydraulic Motor	21	1

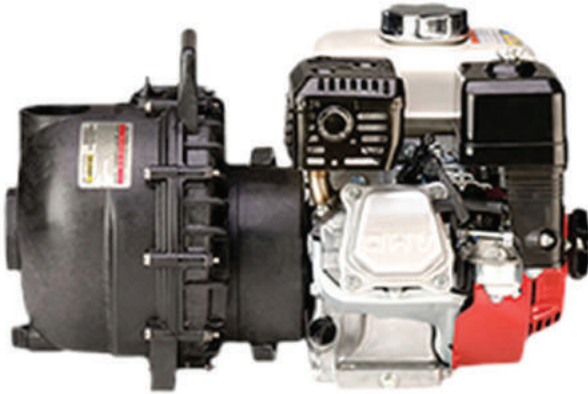


Replacement Parts 3" Hydraulic Adapter			
Item	Part No.	Description	Qty
1	18049	C-Flange Hydraulic Motor Adapter	1
2	18021	Gasket Adapter	1
3	18025	Seal Assembly	1
4	18502	SKF 63306-2RS1/C3 Bearing	1
5	18055	Hydraulic Adapter Shaft Sleeve	1
6	HY1012	Tyrone® UM16 Hydraulic Motor	1
7	18059	½" Flat Washer	2
8	18058	½" Split Lock Washer	2
9	18056	½" - 13" x 2" HHCS Bolt	2
10	17010	½" Hex Nut	2
11	18600	Hydraulic Motor Adapter Assembly	1

Replacement Parts 3" Cast Iron Hydraulic Pumps

Item	Part No.	Description	Qty
1	18001	Pump Housing	1
2	18004	Wear Plate	1
3	18106	38" - 16 x 1.25" HHCS	2
4	18023	Impeller & Drive Shaft	1
5	18025	FKM (viton type) Mechanical Seal	1
5	18025SD	Severe Duty Seal	1
6	18218	Pump Housing Stud	6
7	V20018	38" Lock Washer	14
8	V20019	38" 16 SS Hex Nut	6
9	18010SS	38" - 16 x 1.25" HHCS	8
10	18009	EPDM Outlet Gasket	1
11	18008	NPT Outlet Flange	1
12	18012	NPT Inlet Flange	1
13	18013	Inlet/ Check EPDM Gasket	1
14	18033	Handle	1
15	18034	58" - 11 Hex Nut	1
16	18002	1" NPT Plug	1
17	18003	½" NPT Plug	1
18	18021	Adapter Gasket	1
19	18049	Hydraulic Motor Adapter	1
20	18055	Hydraulic Adapter Shaft	1
21	18502	Bearing SKF66306-2RS1/C3	1
22	18056	½" - 13 x 2" HHCS	2
23	18058	½" Split Washer	2
24	18059	½" Flat Washer	2
25	17010	½" - 13 Hex Nut	2
26	HY1012	UM16-45A-HX Hydraulic Motor Assembly	1
27	18029	Clamp Assembly Unkeyed	1
N/S	18100	Repair Kit (Consists of 2, 3, 4, 5, 18)	1

2" Poly Wet Seal Pumps



2" Poly Wet Seal Pumps w/ Gas Engines

Part No.	Description	Qty.	HP
200PH5W	2" Poly Wet Seal Pump w/ 5.5 HP Honda Engine	1	5.5

2" Poly Wet Seal Bearing Pedestal

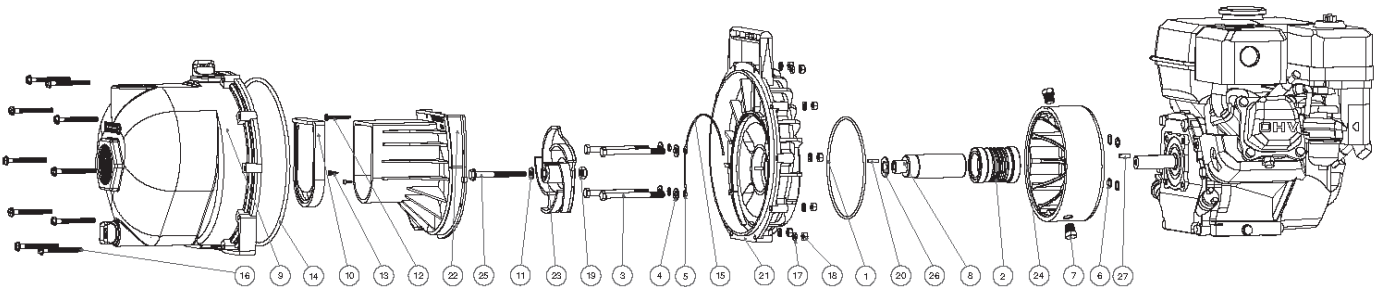
Part No.	Description	Qty.	HP
200PBW	2" Poly Wet Seal Bearing Pedestal w/ 3/4" Shaft & 5 Vane Impeller	1	N/A

FEATURES

- Compact Design
- Run Dry Capability
- Double seal contained in ethylene glycol reservoir. Carbon Ceramic seal faces with stainless steel cup & spring with FKM (viton type) rubber.
- Pump end separated from engine
- Large weep holes between pump end and engine
- "V" shaped for quicker priming



Bearing Pedestal
3/4" shaft for electric motors



Replacement Parts 2" Poly Wet Seal Pumps

Item	Part No.	Description
1	13719	O-Ring
2	15035	FKM (viton type) Mechanical Seal Assembly
3	12034	5/16" -24 x 3 3/4" HHCS
4	12901	5/16" Flat Washer
5	12717	O-Ring for Bracket Screw
6	12709	O-Ring
7	17032	1/4" Drain Plug
8	12155	Adapter Shaft
9	12712A	Body Assembly
10	12705	Check Valve
11	12774VA	Impeller Bolt Gasket
12	12900	#10 x 1 1/2" PPH SMS
13	12725	#6 x 1/2" PPH SMS

14	12719A	Body O-Ring
15	12754	O-Ring Segment
16	12720	1/4" - 20 x 2 1/2" SI Ind HWHS
17	V07018	1/4" Lock Washer
18	V07019	1/4" - 20 Hex Nut
19	12775A	7/16" - 14 Hex Nut
20	12902A	3/16" SQ. x 5/8" Key
21	12707W	Wet Seal Rear Bracket
22	12702A	Volute
23	12772	Impeller
24	12202W	Wet Seal Reservoir
25	12766	5/16" - 24 x 3 1/4" HFS
26	CV10175	Gasket
27	16901	1/4" Sq. 3/4" Key Stock

3" Poly Wet Seal Pumps

3" Poly Wet Seal Self-Priming Centrifugal Pump

FEATURES

- Compact Design
- Run Dry Capability
- Double seal contained in ethylene glycol reservoir. Carbon Ceramic seal faces with stainless steel cup & spring with FKM (viton type) rubber.
- Pump end separated from engine
- Large weep holes between pump end and engine
- "V" shaped for quicker priming



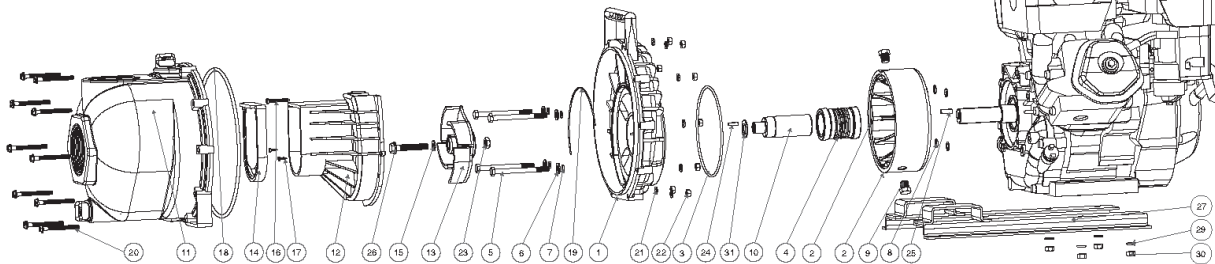
3" Poly Wet Seal Pumps w/ Gas Engines

Part No.	Description	HP
300PH6W	3" Poly Wet Seal Pump w/ 6 HP Honda Engine	6
300P11PROW	3" Poly Wet Seal Pump w/ 11 HP Briggs & Stratton Engine	11
300PH13W	3" Poly Wet Seal Pump w/ 13 HP Honda Engine w/ Electric Start & Pull Rope	13



3" Poly Wet Seal Bearing Pedestal

Part No.	Description	HP
300PBW	3" Poly Wet Seal Bearing Pedestal w/ 3/4" Shaft & 4 Vane Impeller	N/A
301POWV	3" Poly Wet Seal Pump Only for 1" Shaft & 4 Vane Impeller, FKM Seals	N/A



Replacement Parts 3" Poly Wet Seal Pumps

Item	Part No.	Description	Qty
1	12703AW	Wet Seal Rear Bracket	1
2	12201W	Wet Seal Reservoir	1
3	13719	O-Ring	1
4	15035	Mechanical Seal Assembly	1
5	13034	5/16" - 24 x 3 3/4" HHCS	4
6	12901	5/16" Flat Washer	8
7	12717	O-Ring for Bracket Screw	4
8	12709	O-Ring	4
9	17032	1/4" Drain Plug	2
10	13055	Adapter Shaft	1
11	13712	Body Assembly	1
12	13702	Volute	1
13	13772	Impeller	1
14	12705	Check Valve	1
15	12774VA	Impeller Bolt Gasket	1

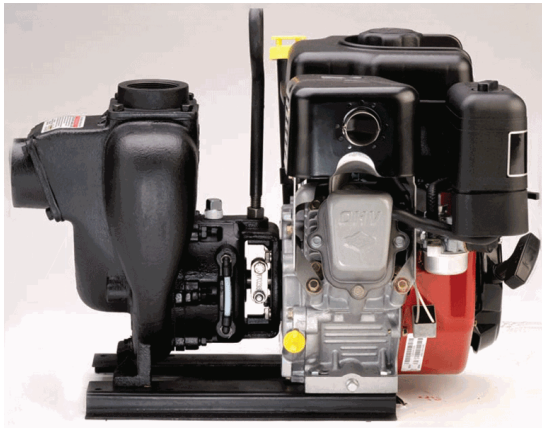
16	12900	#10 x 1 1/2" PPH SMS 18-8 SS	1
17	12725	#6 x 1/2" PPH SMS 18-8 SS	1
18	12719A	Body O-Ring	1
19	12754	O-Ring Segment	1
20	12720	1/4" - 20 x 2 1/2" SI Ind HWHS	10
21	V07018	1/4" Lock Washer	10
22	V07019	1/4" - 20 Hex Nut	10
23	12775A	7/16" - 14 Hex Nut	1
24	12902A	3/16" SQ. x 5/8" Key	1
25	16901	1/4" SQ. 3/4" Key Stock	1
26	13766	3/8" - 24 x 2 1/4" HFS	1
27	18135	Z-Rail Pair	1
28	17029	5/16" - 18 x 1.75" HHCS	4
29	V10118	5/16" Lock Washer	4
30	V10119	5/16" - 18 UNC SS Hex Nut	4
31	CV10175	Gasket	1

2" & 3" Cast Iron Wet Seal Pumps

2" Wet Seal Cast Iron Self-Priming Centrifugal Pump

FEATURES

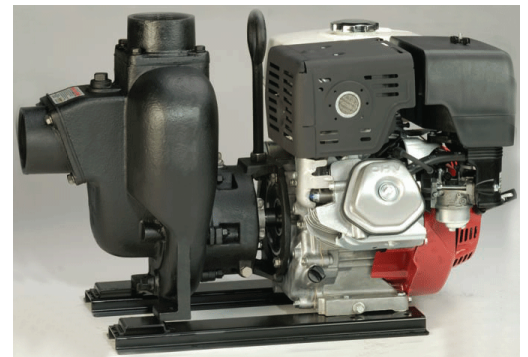
- Run Dry Capability
- FKM (viton type) double seal contained in ethylene glycol reservoir
- Dynamically balanced impeller
- All stainless steel hardware
- Available in cast iron or 316 SS, w/ bearing pedestal, gas engine or pump only



3" Wet Seal Cast Iron Self-Priming Centrifugal Pump

FEATURES

- Compact design & Run Dry Capability
- Durable cast iron construction
- Dynamically balanced impeller
- Replaceable inlet & outlet flanges
- Graphite loaded silicon carbide seal w/ SS cup & spring w/ FKM (viton type) rubber.
- Pump end separated from engine.
- Double seal contained in ethylene glycol reservoir
- 350 gallons per minute
- 63 P.S.I. maximum pressure



2" Cast Iron Hydraulic Pumps

Part No.	Description	HP	Qty
201PIH5W	2" Cast Iron Wet Seal Pump w/ 5.5 HP Honda Engine	5.5	1
201PI6PROW	2" Cast Iron Wet Seal Pump w/ 6.5 HP Briggs & Stratton Engine Pro Series	6.5	1

3" Cast Iron Wet Seal Pumps w/ Gas Engines

Part No.	Description	HP	Qty
301PIH13W	3" Cast Iron Wet Seal Pump w/ 13 HP Honda Engine w/ Electric Start & Pull Rope	13	1

Bearing Pedestal

3/4" shaft for electric motors



Pump Only

for gas engine



Bearing Pedestal

1" shaft for electric motors



Pump Only

for gas engine



2" Cast Iron Wet Seal Bearing Pedestals

Part No.	Description
201PBIW	2" Cast Iron Wet Seal Pump w/ Bearing Pedestal

2" Cast Iron Wet Seal Pump Only

Part No.	Description
201POIW	2" Cast Iron Wet Seal Pump Only

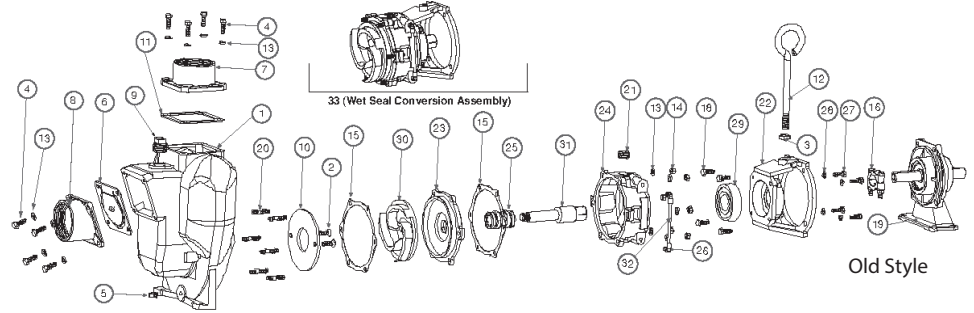
3" Cast Iron Wet Seal Bearing Pedestals

Part No.	Description
301PBIW	3" Cast Iron Wet Seal Pump w/ Bearing Pedestal

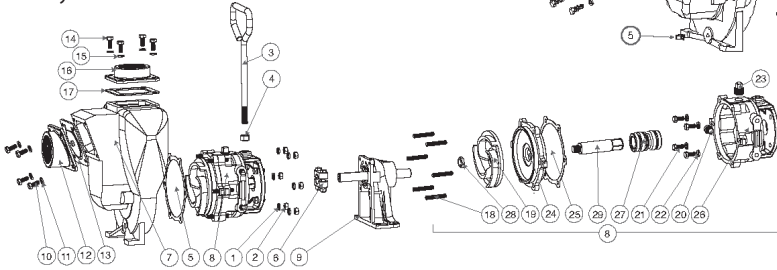
3" Cast Iron Wet Seal Pump Only

Part No.	Description
301POIW	3" Cast Iron Wet Seal Pump Only

2" Cast Iron Wet Seal Replacement Parts



New Style



Old Style

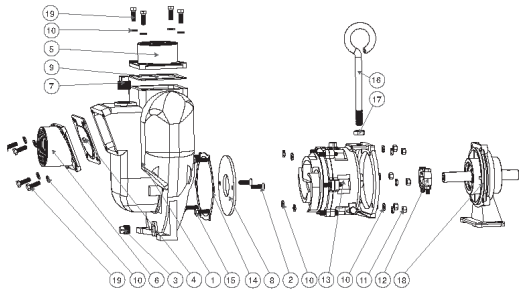
Replacement Parts 2" Cast Iron Wet Seal Pumps (Old Style)

Replacement Parts 2" Cast Iron Wet Seal Pumps

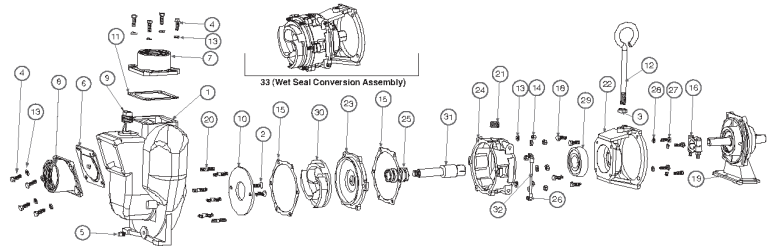
Item	Part No	Description	Qty
1	V10118	5/16" Lock Washer	6
2	V10119	5/16" -18 Hex Nut	6
3	15022	Handle	1
4	17010	1/2" Hex Nut	1
5	17018	Gasket Adapter	1
6	17123	5/8" Clamp, 3/4" Shaft Assembly Keyed	1
7	17226	Pump Housing	1
8	17200A	Wet Seal Assembly	1
9	12882A	Bearing Pedestal	1
10	17019	5/16"-18 x 3/4" HHCS	4
11	V10118	5/16" Lock Washer	4
12	17002	Inlet Flange	1
13	17016	EPDM Check Valve Gasket Assembly	1
14	17019	5/16" -18 x 3/4" HHCS	4
15	V10118	5/16" Lock Washer	4
16	17000	Outlet Flange	1
17	17013	EPDM Outlet Gasket	1
18	17242	Housing Stud	6
19	17208	Impeller	1
20	17032	1/4" Pipe Plug	1
21	17019	5/16"-18 x 3/4" Cap Screw	4
22	V10118	5/16" Lock Washer	4
23	17210	1/2" Fill Plug	1
24	17202	Cover Plate	1
25	17018	Gasket Adapter	1
26	17201A	Reservoir	1
27	17235	FKM (viton type) Mechanical Seal Assembly	1
28	17009B	5/8" -18 Impeller Nut	1
29	17206A	Adapter Shaft	1

Item	Part No	Description	Qty
1	17026	Pump Housing	1
2	17130	Flat Head C Sink Screw	2
3	17010	1/2" Hex Nut	1
4	17019	5/16" Cap Screw	8
5	17032	1/4" Drain Plug	1
6	17016	EPDM Gasket	1
7	17000	2" Outlet Flange	1
8	17002	2" Inlet Flange	1
9	18002	1" NPT Plug	1
10	17011	Wear Plate	1
11	17013	EPDM Outlet Gasket	1
12	15022	Handle	1
13	V10118	5/16" Lock Washer	18
14	V10119	5/16" -18 SS Hex Nut	8
15	17018	Gasket Adapter	2
16	17023	5/8" Clamp for 3/4" Shaft Assembly	1
16	17123	5/8" Clamp for 3/4" Shaft Assembly Keyed	1
16	17024	7/8" Clamp Shaft Assembly	1
18	17040	5/16" -24 x 1" HHCS	4
19	12882A	Bearing Pedestal	1
20	17242	Housing Stud	6
21	17210	1/2" Fill Plug	1
22	17203A	Wet Seal Adapter	1
23	17202	Cover Plate	1
24	17201	Reservoir	1
25	17235	FKM (viton type) Seal Assembly	1
26	17211	3/16" Legris Male Elbow	2
27	17019	5/16" - 18 x 3/4" Bolt	4
28	V10118	5/16" Lock Washer	4
29	12213A	Bearing	1
30	17208	Impeller	1
31	17206	3/4" Sleeve Drive	1
32	17212	Liquid Level Tube	1
33	17200	Wet Seal Assembly Conversion	1
N/S	17100W	Pump Repair Kit (Consists of 2, 10, 15, 25, 29-32)	1

3" Cast Iron Wet Seal Replacement Parts



3" Cast Iron Hydraulic Pumps



3" Cast Iron Wet Seal Pumps (Old Style)

Replacement Parts 3" Cast Iron Hydraulic Pumps

Item	Part No	Description	Qty
1	18001	Pump Housing	1
2	18106	Flat Head Socket Cap Screw	2
3	18003	1/2" NPT Plug	1
4	18013	Inlet/Check EPDM Gasket	1
5	18008	NPT Outlet Flange	1
6	18012	NPT Inlet Flange	1
7	18002	1" NPT Flush Plug	1
8	18004	Wear Plate	1
9	18009	EPDM Outlet Gasket	1
10	V20018	3/8" Lock Washer	18
11	V20019	3/8" 16 SS Hex Nut	6
12	18129	Clamp Assembly Keyed	1
13	18200A	Wet Seal Assembly	1
14	18021	Adapter Gasket	1
15	17704	3/8" -16 x 1 1/4" HHCS	4
16	18033	Handle	1
17	18034	5/8" -11 Jam Nut	1
18	18500	Bearing Pedestal	1
19	18010SS	3/8" - 16 x 1 1/8" HHCS	8
20	18218	Pump Housing Stud	6
21	18206	Impeller	1
22	18202A	Cover Plate	1
23	18021	Adapter Gasket or Gasket Adapter	1
24	15035	Mechanical Seal Assembly	1
25	18203A	Wet Seal Reservoir	1
26	17032	1/4" Fill Plug	1
27	18205	3/4" Fill Plug	1

Replacement Parts 3" Cast Iron Wet Seal Pumps (Old Style)

Item	Part No	Description	Qty
1	18001	Pump Housing	1
2	18106	Flat Head Socket Cap Screw	2
3	18034	5/8" -11 Jam Nut	1
4	18010SS	3/8" - 16 x 1 1/8" HHCS	8
5	18003	1/2" NPT Plug	1
6	18013	Inlet/Check EPDM Gasket	1
7	18008	NPT Outlet Flange	1
8	18012	NPT Inlet Flange	1
9	18002	1" NPT Flush Plug	1
10	18004	Wear Plate	1
11	18009	EPDM Outlet Gasket	1
12	18033	Handle	1
13	V20018	3/8" Lock Washer	18
14	V20019	3/8" 16 SS Hex Nut	6
15	18021	Adapter Gasket	1
16	18029	Clamp Assembly	1
16	18129	Clamp Assembly Keyed	1
18	17704	3/8" -16 x 1 1/4" HHCS	4
19	18500	Bearing Pedestal	1
20	18218	Pump Housing Stud	6
21	18205	3/4" Fill Plug	1
22	18203	Wet Seal Reservoir	1
23	18202	Cover Plate	1
24	18201	Reservoir	1
25	17235	FKM (viton type) Seal Assembly	1
26	17211	3/16" Legris Male Elbow	2
27	17040	5/16" - 24 x 3/4" Bolt	4
28	V10118	5/16" Lock Washer	4
29	18204	Bearing	1
30	18223	Impeller	1
31	18222	Shaft	1
32	17212	Liquid Level Tube	1
33	18200	Wet Seal Assembly Conversion	1
N/S	18100W	Pump Repair Kit (Consists of 2, 10, 15, 25, 29-32)	1

222 Series Close Coupled Electric Pumps

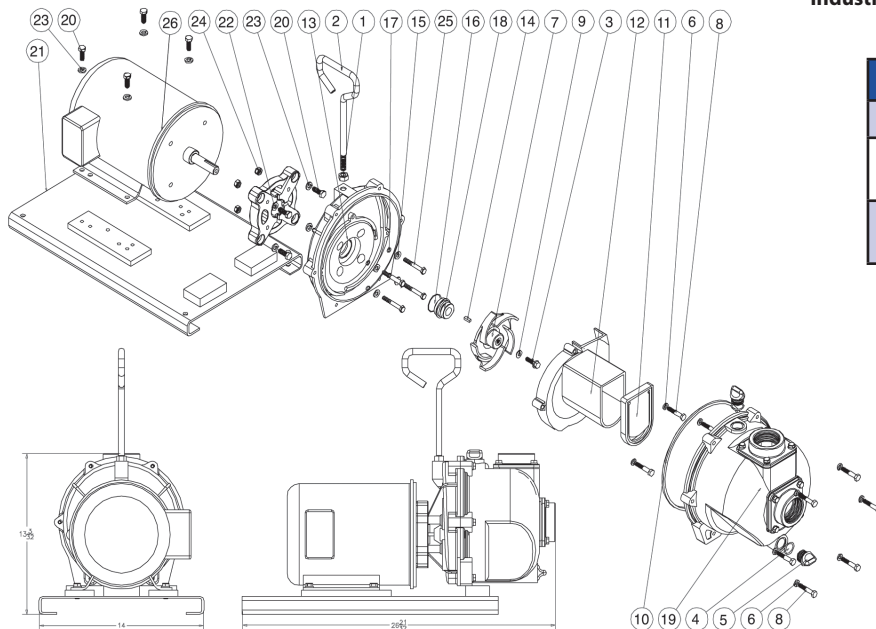
222 Series Close Coupled C/I Electric Driven Self-Priming Pumps

FEATURES

- Cast iron construction for rugged dependable service
- Stainless steel shaft sleeve to protect engine shaft
- Carbon ceramic seal w/ SS cup & spring w/ FKM (viton type) rubber
- Replaceable inlet and outlet flanges
- Dynamically balanced impeller
- Pump end separated from engine & heavy duty slinger seal on motor shaft
- Large weep holes between pump end and engine
- "V" shaped for quicker priming



Complete Pump With Efficient Industrial Electric Motors!



222 Series Cast Iron Pumps w/ Electric Motors

Part No.	Description	Qty	HP
222PIE5	2" Cast Iron Pump w/ 5 HP Three Phase Electric Motor	1	5
222PIE51	2" Cast Iron Pump w/ 5 HP Single Phase Electric Motor	1	5

MOTOR FEATURES:

- Pressure cast aluminum end plates with ribbed design for rigidity
- Ball bearings, locked drive end bearing
- Heavy gauge steel frame
- Motors wound with inverter spike resistance magnet wire
- Mounted complete on heavy duty cast iron base plate
- 230 V Motors

Replacement Parts 222 Cast Iron Pumps w/ Electric Motors

Item	Part No.	Description	Qty
1	17010	½" Jam Nut	1
2	15022	Handle	1
6	12765A	⅜" - 24 x 1.12 Impeller Bolt	1
4	13778	O-Ring	2
5	13777	Prime/Drain Plug	2
6	V10118	⅜" Lock Washer	9
7	15772	5 Vane Impeller	1
8	12715A	⅜" - 24 x 1.75 HHCS	13
9	12774VA	Impeller Bolt Gasket	1
10	12719A	Body O-Ring	1
11	12705	Check Valve	1
12	15702	Volute	1
13	15703	Rear Bracket	1
14	12902A	⅜" SQ. x ⅜" Key	1
15	12901	⅜" Flat Washer	4
16	12710	O-Ring	1

17	12717	O-Ring	4
18	12713V	Seal Assembly	1
18	12713SD	Severe Duty Seal	1
19	15712	Body	1
20	17704	⅜" - 16 x 1.25 HHCS Bolt	8
21	17701	C-Faced Base Plate	1
22	12046	56C Adapter	1
23	V20018	⅜" Lock Washer	8
24	V20019	⅜" 16 SS Hex Nut	4
25	BF107	⅜" - 18 x 2 ¼" HHCS Bolt	4
26	BEM5-182CZ	5 HP 3450 RPM Three Phase Motor	1
26	BEM51-182CZ	5 HP 3450 RPM Single Phase Motor	1
N/S	15000	Repair Kit (Includes items 2, 5, 11, 12, 13, 19, 20 & shim)	1
N/S	15999	Seal Kit (Repair Kit w/o Impeller)	1
N/S	15000V	FKM (viton type) Repair Kit	1
N/S	15999V	FKM (viton type) Seal Kit	1

Flow Meters



Flow Meters



FEATURES

- Displays overall total volume & batch total volume
- Flow rate allows for gallons or liters per minute
- The display reads 6 digits for rate, 8 digits for total and 1 decimal place reading in tenths
- Magnetic style meter with stainless steel electrodes
- Self-calibrating meter
- Measures water and most conductive liquids
- Easy to change six (6) AA batteries
- No moving parts to fail during use
- Glass-reinforced polypropylene
- Temperature range from 0°F to 150°F
- Accuracy is 99% from 30 to 300 GPM

Flow Meters		
Part No.	Description	Qty
FM100	1" Full Port Female NPT Flow Meter	1
MFM100	1" Full Port Manifold Flow Meter	1
MFM220	2" Full Port Manifold Flow Meter	1
MFM300	3" Full Port Manifold Flow Meter	1

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Electric Valves

3/4" x 1 1/2" EVX Series



1" - 1 1/2" EVX ON/OFF WELDED ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
EVX100	1" FULL PORT ELECTRIC VALVE	300	1"	1"	1
EVX125	1 1/4" STANDARD PORT ELECTRIC VALVE	300	1 1/4"	1"	1
EVX150	1 1/2" FULL PORT ELECTRIC VALVE	300	1 1/2"	1 1/2"	1

3/4" - 1 1/2" EVX ON/OFF BOLTED ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
EVX071	3/4" FULL PORT ELECTRIC VALVE	300	3/4"	1"	1
EVX101	1" FULL PORT ELECTRIC VALVE	300	1"	1"	1
EVX121	1 1/4" STANDARD PORT ELECTRIC VALVE	300	1 1/4"	1"	1
EVX151	1 1/2" FULL PORT ELECTRIC VALVE	300	1 1/2"	1 1/2"	1

1" - 1 1/2" EVX REGULATING WELDED ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
EVXR100	1" FULL PORT ELECTRIC VALVE	300	1"	1"	1
EVXR125	1 1/4" STANDARD PORT ELECTRIC VALVE	300	1 1/4"	1"	1
EVXR150	1 1/2" FULL PORT ELECTRIC VALVE	300	1 1/2"	1 1/2"	1

3/4" - 1 1/2" EVX REGULATING BOLTED ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
EVXR071	3/4" FULL PORT ELECTRIC VALVE	300	3/4"	1"	1
EVXR101	1" FULL PORT ELECTRIC VALVE	300	1"	1"	1
EVXR121	1 1/4" STANDARD PORT ELECTRIC VALVE	300	1 1/4"	1"	1
EVXR151	1 1/2" FULL PORT ELECTRIC VALVE	300	1 1/2"	1 1/2"	1

2" EVX Series



2" EVX ON/OFF WELDED ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
EVX200	2" STANDARD PORT ELECTRIC VALVE	300	2"	1 1/2"	1
EVX220	2" FULL PORT ELECTRIC VALVE	250	2"	2"	1

2" EVX ON/OFF BOLTED ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
EVX201	2" STANDARD PORT ELECTRIC VALVE	300	2"	1 1/2"	1
EVX221	2" FULL PORT ELECTRIC VALVE	250	2"	2"	1

2" EVX REGULATING WELDED ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
EVXR200	2" STANDARD PORT ELECTRIC VALVE	300	2"	1 1/2"	1
EVXR220	2" FULL PORT ELECTRIC VALVE	250	2"	2"	1

2" EVX REGULATING BOLTED ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
EVXR201	2" STANDARD PORT ELECTRIC VALVE	300	2"	1 1/2"	1
EVXR221	2" FULL PORT ELECTRIC VALVE	250	2"	2"	1

Electric Valves



3/4" - 2" EVX Series

3" EVX Series



3" EVX ON/OFF ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
EVX300	3" FULL PORT ELECTRIC VALVE	150	3"	3"	1

3" EVX REGULATING ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
EVXR300	3" FULL PORT ELECTRIC VALVE	150	3"	3"	1

3/4"-2" EVX BOLTED BOTTOM LOAD ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
EVX075BL	3/4" FULL PORT BOTTOM LOAD ELECTRIC VALVE	300	3/4"	1"	1
EVX100BL	1" FULL PORT BOTTOM LOAD ELECTRIC VALVE	300	1"	1"	1
EVX125BL	1 1/2" FULL PORT SIDE LOAD ELECTRIC VALVE	250	1 1/2"	1"	1
EVX150BL	1 1/2" FULL PORT SIDE LOAD ELECTRIC VALVE	250	1 1/2"	1 1/2"	1
EVX200BL	2" STANDARD PORT BOTTOM LOAD ELECTRIC VALVE	250	2"	1 1/2"	1
EVX220BL	2" FULL PORT BOTTOM LOAD ELECTRIC VALVE	150	2"	2"	1

3/4"-2" EVX BOLTED SIDE LOAD ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
EVX075SL	3/4" FULL PORT SIDE LOAD ELECTRIC VALVE	300	3/4"	1"	1
EVX100SL	1" FULL PORT SIDE LOAD ELECTRIC VALVE	300	1"	1"	1
EVX125SL	1 1/2" FULL PORT SIDE LOAD ELECTRIC VALVE	250	1 1/2"	1"	1
EVX150SL	1 1/2" FULL PORT SIDE LOAD ELECTRIC VALVE	250	1 1/2"	1 1/2"	1
EVX200SL	2" STANDARD PORT SIDE LOAD ELECTRIC VALVE	250	2"	1 1/2"	1
EVX220SL	2" FULL PORT SIDE LOAD ELECTRIC VALVE	150	2"	2"	1

3/4"-2" EVX BOLTED BOTTOM LOAD REGULATING ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
EVXR075BL	3/4" FULL PORT BOTTOM LOAD ELECTRIC VALVE	300	3/4"	1"	1
EVXR100BL	1" FULL PORT BOTTOM LOAD ELECTRIC VALVE	300	1"	1"	1
EVXR125BL	1 1/2" FULL PORT SIDE LOAD ELECTRIC VALVE	300	1 1/2"	1"	1
EVXR150BL	1 1/2" FULL PORT SIDE LOAD ELECTRIC VALVE	300	1 1/2"	1 1/2"	1
EVXR200BL	2" STANDARD PORT BOTTOM LOAD ELECTRIC VALVE	250	2"	1 1/2"	1
EVXR220BL	2" FULL PORT BOTTOM LOAD ELECTRIC VALVE	150	2"	2"	1

3/4"-2" EVX BOLTED SIDE LOAD REGULATING ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
EVXR075SL	3/4" FULL PORT SIDE LOAD ELECTRIC VALVE	300	3/4"	1"	1
EVXR100SL	1" FULL PORT SIDE LOAD ELECTRIC VALVE	300	1"	1"	1
EVXR125SL	1 1/2" FULL PORT SIDE LOAD ELECTRIC VALVE	300	1 1/2"	1"	1
EVXR150SL	1 1/2" FULL PORT SIDE LOAD ELECTRIC VALVE	300	1 1/2"	1 1/2"	1

Electric Manifold Valves

1" MEVX Series



1" MEVX ON/OFF WELDED ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
MEVX100	1" FULL PORT ELECTRIC VALVE	300	1"	1"	1

1" MEVX REGULATING WELDED ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
MEVXR100	1" FULL PORT ELECTRIC VALVE	300	1"	1"	1

1" MEVX ON/OFF BOLTED ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
MEVX101	1" FULL PORT ELECTRIC VALVE	300	1"	1"	1

1" MEVX REGULATING BOLTED ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
MEVXR101	1" FULL PORT ELECTRIC VALVE	300	1"	1"	1

2" MEVX Series



2" MEVX ON/OFF WELDED ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
MEVX200	2" STANDARD PORT ELECTRIC VALVE	300	2"	1½"	1
MEVX220	2" FULL PORT ELECTRIC VALVE	250	2"	2"	1

2" MEVX REGULATING WELDED ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
MEVXR200	2" STANDARD PORT ELECTRIC VALVE	300	2"	1½"	1
MEVXR220	2" FULL PORT ELECTRIC VALVE	250	2"	2"	1

2" MEVX ON/OFF BOLTED ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
MEVX201	2" STANDARD PORT ELECTRIC VALVE	250	2"	1½"	1
MEVX221	2" FULL PORT ELECTRIC VALVE	150	2"	2"	1

2" MEVX REGULATING BOLTED ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
MEVXR201	2" STANDARD PORT ELECTRIC VALVE	250	2"	1½"	1
MEVXR221	2" FULL PORT ELECTRIC VALVE	150	2"	2"	1

Electric Manifold Valves



3/8" - 1/2" On/Off Electric Valves					
Part No.	Description	Max PSI	Pipe Size	Opening Thru Ball	Qty
LEV038	3/8" Full Port Electric Valve	300	3/8"	3/8"	1
LEV050	1/2" Electric Valve	300	1/2"	15/32"	1

1/4" - 1/2" Electric Valves w/ Push Locks					
Part No.	Description	Max PSI	Pipe Size	Opening Thru Ball	Qty
LEV025PL	1/4" Electric Valve w/ Push Lock	150	1/4"	3/8"	1
LEV038PL	3/8" Full Port Electric Valve w/ Push Lock	150	3/8"	3/8"	1
LEV050PL	1/2" Electric Valve w/ Push Lock	150	1/2"	15/32"	1



1/4" - 3/8" Electric Valves w/ Push Lock & Spray Tip Adapter					
Part No.	Description	Max PSI	Pipe Size	Opening Thru Ball	Qty
LEV025PLST	1/4" Electric Valve w/ Push Lock & Spray Tip Adapter	150	1/4"	3/8"	1
LEV038PLST	3/8" Full Port Electric Valve w/ Push Lock & Spray Tip Adapter	150	3/8"	3/8"	1

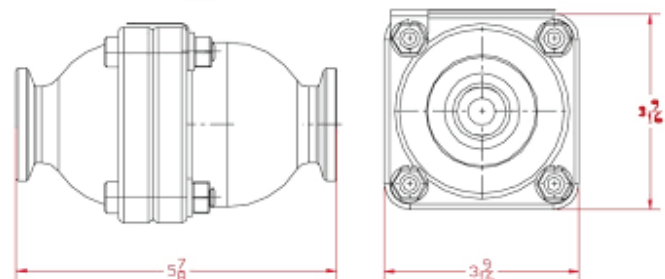
Manifold Pressure Spike Valves

Features

- FKM (viton type) seals
- Precision molded in polypropylene. Polypropylene is reinforced with fiberglass for additional strength.
- Preset pressure spring
- Poppet is diamond turned, after molding, to make it spherically perfect, which provides precise seal
- 360° Orientation
- Quick and easy assembly



Manifold Pressure Spike Valve			
Part No.	Description	Pressure Spike	Qty.
MPRV100-100	1" x 1" Pressure Spike Valve	100 PSI	1
MPRV100-125	1" x 1" Pressure Spike Valve	125 PSI	1



Electric Manifold Valves



1"-3" MEVX BOTTOM LOAD ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
MEVX100BL	1" FULL PORT MANIFOLD BOTTOM LOAD ELECTRIC VALVE	300	1"	1"	1
MEVX200BL	2" STANDARD PORT MANIFOLD BOTTOM LOAD ELECTRIC VALVE	250	2"	1½"	1
MEVX220BL	2" FULL PORT MANIFOLD BOTTOM LOAD ELECTRIC VALVE	125	2"	2"	1
MEVX300BL	3" FULL PORT MANIFOLD BOTTOM LOAD ELECTRIC VALVE	200	3"	3"	1

1"-2" MEVX SIDE LOAD ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
MEVX100SL	1" FULL PORT MANIFOLD SIDE LOAD ELECTRIC VALVE	300	1"	1"	1
MEVX200SL	2" STANDARD PORT MANIFOLD SIDE LOAD ELECTRIC VALVE	250	2"	1½"	1
MEVX220SL	2" FULL PORT MANIFOLD SIDE LOAD ELECTRIC VALVE	125	2"	2"	1

1"-3" MEVX BOTTOM LOAD REGULATING ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
MEVXR100BL	1" FULL PORT MANIFOLD BOTTOM LOAD ELECTRIC VALVE	300	1"	1"	1
MEVXR200BL	2" STANDARD PORT MANIFOLD BOTTOM LOAD ELECTRIC VALVE	300	2"	1½"	1
MEVXR220BL	2" FULL PORT MANIFOLD BOTTOM LOAD ELECTRIC VALVE	250	2"	2"	1
MEVXR300BL	3" FULL PORT MANIFOLD BOTTOM LOAD ELECTRIC VALVE	150	3"	3"	1

1"-2" MEVX SIDE LOAD REGULATING ELECTRIC VALVES

PART NO	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QTY
MEVXR100SL	1" FULL PORT MANIFOLD SIDE LOAD ELECTRIC VALVE	300	1"	1"	1
MEVXR200SL	2" STANDARD PORT MANIFOLD SIDE LOAD ELECTRIC VALVE	300	2"	1½"	1
MEVXR220SL	2" FULL PORT MANIFOLD SIDE LOAD ELECTRIC VALVE	250	2"	2"	1

Bolted Flange Valves & Check Valves

Manifold Bolted Ball Valves - 4 and 6 Bolt Valves

Features

- FKM (viton type) seals
- PTFE self-lubricating stem bushings and seats cannot stick or bind
- Precision molded polypropylene. Polypropylene is reinforced with fiberglass for additional 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.



4 and 6 Bolt Valves

Part No.	Description	Max PSI	Pipe Size	Opening Thru Ball	Quantity
MV100CF	1" x 1" Flange Ball Valve	150	1"	1"	24 per box
MV200CF	2" x 2" Flange Ball Valve	150	2"	1 1/2"	12 per box
MV220CF	2" x 2" FP Flange Ball Valve	150	2"	2"	8 per box
MV300	3" x 3" Standard Port Ball Valve	100	3"	2 1/2"	6 per box
MV300CF	3" x 3" Full Port Ball Valve	100	3"	3"	6 per box

Polypropylene Check Valve

Features

- One piece construction
- Flanged connections
- 150 PSI Maximum
- 1 - 2 PSI Spring
- Glass Reinforced Polypropylene
- 316 Stainless Steel Springs
- EPDM Gasket (FKM Optional)



Polypropylene Check Valve

Part No.	Description	Max PSI	Flow
MCV100	1" Flanged Poly Check Valve	150	1"
MCV200	2" Flanged Poly Check Valve	150	1 1/2"
MCV220	2" Full Port Poly Check Valve	150	2"
MCV221	2" Full Port Flanged Check Valve	200	2"



3" Standard & Full Port Ball Valves

3" Standard Port Manifold "Stubby" Valve

FEATURES

- Stainless steel bolts
- Glass filled polypropylene
- FKM (viton type) body seals
- Three design options for standard and one for full port
- Unique patented compact design
- 100 P.S.I. @ 70°F and 75 P.S.I. @ 150°F.
- Lightweight
- All PTFE ball seats



VSMT300



VSF300



VSFMT300

3" Standard Port Stubby Valves

Part No.	Description	Max PSI	Pipe Size	Opening thru Ball
VSMT300	3" Female NPT X 3" Male NPT	100	3"	2 1/2"
VSF300	3" Female NPT X 3" Male Adapter	100	3"	2 1/2"
VSFMT300	3" Male NPT X 3" Male Adapter	100	3"	2 1/2"



VSFMT300FP

3" Full Port Stubby Valves

Part No.	Description	Max PSI	Pipe Size	Opening thru Ball
VSFMT300FP	3" FP Male Adapter X 3" Male NPT	100	3"	3"
VSFMT300HSFP	3" FP Male Adapter X 3" Male NPT w/ SS ball, Stem & Handle	100	3"	3"



VSFMT300HSFP

Manifold Valves



2" Standard Port Manifold "Stubby" Valve

FEATURES

- Stainless steel bolts
- Glass filled polypropylene
- Multiple design options
- Unique patented compact design
- Lightweight
- Maximum operating pressure 100 P.S.I. @ 70°F, 75 P.S.I. @ 150°F



VSMT200CF



VSF200CF

2" Manifold Stubby Valves

Part No.	Description	Max PSI	Pipe Size	Opening thru Ball
VSMT200CF	2" Flange X 2" Male NPT	100	2"	1½"
VSF200CF	2" Flange X 2" Male Adapter	100	2"	1½"

2" Full Port Manifold "Stubby" Valve



MVS220FP



MVS220CF



MVS220HSFP



MVSF220FP



MVSM220FP



MVSF220HSFP

2" Full Port Manifold Stubby Valves

Part No.	Description	Max PSI	Pipe Size	Opening thru Ball
MVS220FP	2" FP Flange X 2" Female NPT	100	2"	2"
MVSF220FP	2" FP Flange X 2" Male Adapter	100	2"	2"
MVS220CF	2" FP Flange X 2" FP Flange	100	2"	2"
MVSM220FP	2" FP Flange X 2" Male NPT	100	2"	2"

2" Full Port Manifold Stubby Valves

Part No.	Description	Max PSI	Pipe Size	Opening thru Ball
MVS220HSFP	2" FP Flange X 2" FP Flange w/SS Ball, Stem & Handle	100	2"	2"
MVSF220HSFP	2" FP Flange X 2" Male Adapter W/SS Ball, Stem & Handle	100	2"	2"
MVSM220HSFP	2" Full Port Manifold Stubby SS Valve Male NPT x Flange	200	2"	2"

Manifold Valves & Sweeps

3" Manifold "Stubby" Valve

FEATURES

- Stainless steel bolts
- Glass filled polypropylene
- Multiple design options
- Unique patented compact design
- Lightweight
- Maximum operating pressure 100 P.S.I. @ 70°F, 75 P.S.I. @ 150°F



MVSF300



MVSF300FP



MVSMT300

3" Manifold Stubby Valves

Part No.	Description	Max PSI	Pipe Size	Opening thru Ball
MVSF300	3" Flange X 3" Male Adapter	100	3"	2 1/2"
MVSF300FP	3" Full Port Flange X 3" Male Adapter	100	3"	3"
MVSMT300	3" Flange X 3" Male NPT	100	3"	2 1/2"



MVS300CF



MVS300CFFP



MVS300HSFP



MVSF300HSFP



MVSMT300HSFP

3" Manifold Stubby Valves

Part No.	Description	Max PSI	Pipe Size	Opening thru Ball
MVS300CF	3" Flange X 3" Flange	100	3"	2 1/2"
MVS300CFFP	3" Full Port Flange X 3" Full Port Flange	100	3"	3"
MVS300HSFP	3" FP Flange X 3" FP Flange w/ SS ball, Stem & Handle	100	3"	3"
MVSF300HSFP	3" FP Flange X 3" Male Adapter w/ SS Ball, Stem & Handle	100	3"	3"
MVSMT300HSFP	3" FP Flange X 3" Male NPT w/ SS Ball, Stem & Handle	100	3"	3"

Manifold Sweeps



M200SWP90



M220200SWP90



M220ASWP90



M220BRBSWP90



M220MPTSWP90



M220SWP90



M300ASWP90



M300MPTSWP90



M300SWP90



M300ASWP90



M300MPTSWP90



M300SWP90

Manifold Sweeps

Part No.	Description
M100125BRBSWP90	1" Flange x 1 1/4" Hose Shank Sweep
M100BRBSWP90	1" Flange x Hose Shank Sweep
M100BRBSWPG90	1" Full Port Flange x 1" Hose Shank Sweep w/ 1/4" Gauge Port
M100SWP90	1" Flange x Flange Sweep
M100SWPG90	1" Flange x Flange Sweep w/ 1/4" Gauge Port
M200SWP90	2" Flange X Flange Sweep
M220ASWP90	2" Full Port Flange X Male Adapter Sweep
M220BRBSWP90	2" Full Port Flange X Hose Shank Sweep
M220MPTSWP90	2" Full Port Flange X Male NPT Thread Sweep
M220SWP90	2" Full Port Flange X Flange Sweep
M220200SWP90	2" Full Port Flange X 2" Flange Sweep
M220SWPG90	2" Full Port Flange x Flange Sweep w/ 1/4" Gauge Port
M220SWP90SS	2" Full Port SS Flange x Flange Sweep
M300ASWP90	3" Flange X Male Adapter Sweep
M300BRBSWP90	3" Flange x Male NPT Thread Sweep
M300MPTSWP90	3" Flange X Male NPT Thread Sweep
M300SWP90	3" Flange X Flange Sweep
M300SWPG90	3" Flange x Flange Sweep w/ 1/4" Gauge Port

Valves



3 Way Valve

PART #	DESCRIPTION
SU050BL	1/2" Female NPT
SU075BL	3/4" Female NPT
SU100BL	1" Female NPT
SU125BL	1 1/4" Female NPT
SU150BL	1 1/2" Female NPT
SU200BL	2" Female NPT

3 Way Valve features:

- Sturdy Construction, fiberglass reinforced polypropylene body
- PTFE seats for smooth operation
- E.P.D.M. seals standard
- 125 P.S.I. @ 140° F

****Do Not Unassemble While Under Pressure**



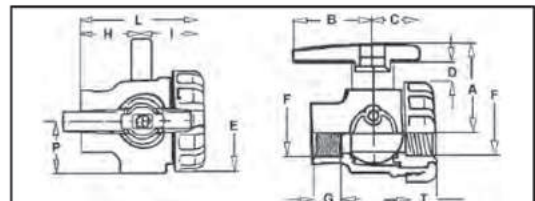
Single Union Valves

PART #	DESCRIPTION
SU050E	1/2" Female NPT
SU075E	3/4" Female NPT
SU100E	1" Female NPT
SU125E	1 1/4" Female NPT
SU150E	1 1/2" Female NPT
SU200E	2" Female NPT

Single Union Valve features:

- Sturdy Construction, fiberglass reinforced polypropylene body
- PTFE seats for smooth operation
- E.P.D.M. seals standard
- 125 P.S.I. @ 140° F

****Do Not Unassemble While Under Pressure**



F/F NPT Threads (F)	Type	Dimensions (Inches)										
		A	B	C	D	E	G	H	I	L	P	T
1/2"		2.36	1.65	1.65	0.63	2.32	0.91	1.71	1.75	3.46		0.91
3/4"		2.36	1.65	1.65	0.63	2.32	0.91	1.71	1.75	3.46		0.91
1"	1	2.87	1.65	2.09	0.79	2.72	0.91	1.83	2.05	3.88	1.46	0.98
1 1/4"	1	3.15	1.65	3.03	0.79	3.23	0.98	2.11	2.17	4.27	1.69	1.02
1 1/2"	2	3.43	1.93	3.15	0.79	3.90	1.10	2.46	2.50	4.96	2.01	1.10
2"	2	4.33	1.93	5.12	0.98	4.53	1.18	2.87	2.97	5.85	2.01	1.18

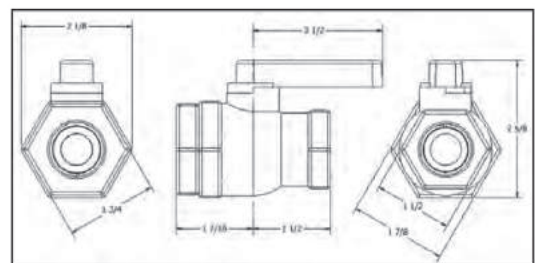


HM Quick Shut Off Valve

PART #	DESCRIPTION
HM50B	1/2" Female NPT With Buna "O" Ring
HM75B	3/4" Female NPT With Buna "O" Ring
HM50V	1/2" Female NPT With Viton® "O" Ring
HM75V	3/4" Female NPT With Viton® "O" Ring

Shut Off Valve features:

- One quarter turn polypropylene ball valve
- Used in liquid plumbing application as a quick shut off valve
- 75 P.S.I.



Drymate PolyPropylene Dry Disconnect

Drymate PolyPropylene Dry Disconnect

FEATURES

- Lightweight
- Unrestricted 1 1/2" flow
- Minimal fluid spillage
- Easy to use and economical
- Reduces risk of exposure
- Wide range of chemical resistance
- Cannot be uncoupled in open position

Prevents Accidental Spills And Exposure!
Patented Double Ball Design With Cam Lever Connection!



Male Dry-Mate



Female Dry-Mate



Poly Male Dry-Mate

Part No.	Description	Max PSI	Pipe Size	Opening Thru Ball
DM150A	1 1/2" Male x FPT NPT	100	1 1/2"	1 1/2"
DM150AB	1 1/2" Male x FPT BSP	100	1 1/2"	1 1/2"
DM150AE	1 1/2" Male x FPT NPT w/ EPDM Seals	100	1 1/2"	1 1/2"
DM150AT	1 1/2" Male x FPT NPT w/ Kalrez Seals	100	1 1/2"	1 1/2"
DM200A	2" Male x FPT NPT	100	2"	1 1/2"
DM200AB	2" Male x FPT BSP	100	2"	1 1/2"
DM200AE	2" Male x FPT NPT w/ EPDM Seals	100	2"	1 1/2"
DM200AT	2" Male x FPT NPT w/ Kalrez Seals	100	2"	1 1/2"
DMMT201A	2" Male x Male NPT w/ low profile handle	100	2"	1 1/2"
DMMT201AE	2" Male x Male NPT w/ low profile handle w/ EPDM Seals	100	2"	1 1/2"

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

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



Comes complete with dust covers to protect balls and seals when not in use. Lanyard included.



Manifold Connection also available.

Poly Female Dry-Mate

Part No.	Description	Max PSI	Pipe Size	Opening Thru Ball
DM150D	1 1/2" Female x FPT NPT	100	1 1/2"	1 1/2"
DM150DB	1 1/2" Female x FPT BSP	100	1 1/2"	1 1/2"
DM150DE	1 1/2" Female x FPT NPT w/ EPDM Seals	100	1 1/2"	1 1/2"
DM150DT	1 1/2" Male x FPT NPT w/ Kalrez Seals	100	1 1/2"	1 1/2"
DM200D	2" Female x FPT NPT	100	2"	1 1/2"
DM200DB	2" Female x FPT BSP	100	2"	1 1/2"
DM200DE	2" Female x w/ EPDM Seals	100	2"	1 1/2"
DM200DT	2" Female x w/ Kalrez Seals	100	2"	1 1/2"



DMMT201A

Includes Male Threads

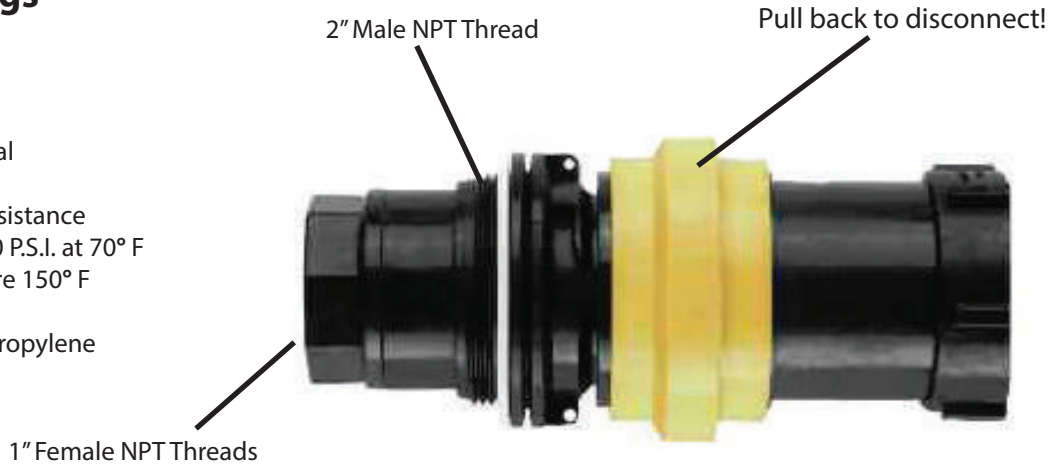
Dry-Disconnects



Dry Poppet Couplings

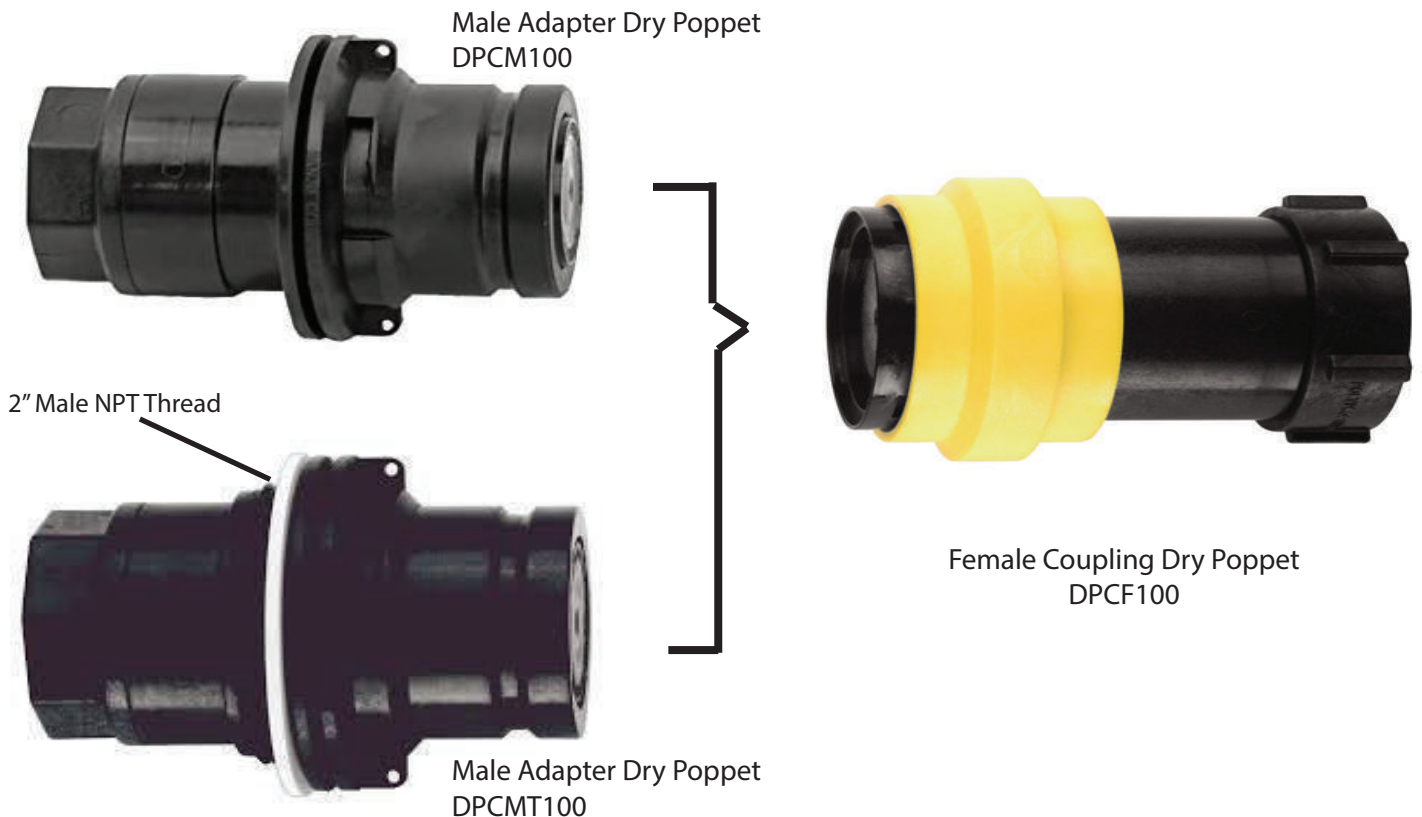
FEATURES

- Lightweight
- Minimal fluid spillage
- Easy to use and economical
- Reduces risk of exposure
- Wide range of chemical resistance
- Max operating pressure 70 P.S.I. at 70° F
- Max operating temperature 150° F
- 30 GPM max flow
- Precision molded in polypropylene
- 1" female NPT threads



Male Adapter & Female Coupler shown coupled together but sold separately.

Dry Poppet Couplings	
Part No.	Description
DPCF100	Female Dry Poppet Coupler, 1" Female NPT Threads w/ FKM (viton type) seals
DPCM100	Male Dry Poppet Adapter, 1" Female NPT Threads w/ FKM (viton type) seals
DPCMT100	Male Dry Poppet Adapter w/ 2" Male Threaded Body, 1" Female NPT Threads w/ FKM (viton type) seals



Tank Bungs, Flanges & Fittings

Poly Bottom Drain Bolted Tank Flanges	
Part No.	Description
BF075BD	¾" x 1" Threaded EPDM Flange
BF100BD	1" x 1" Threaded EPDM Flange
BF150BD	1 ½" x 2" Threaded EPDM Flange
BF200BD	2" x 2" Threaded EPDM Flange
BF220BD	2" x 2" Full Port Threaded EPDM Flange
BF300BD	3" x 3" Threaded EPDM Flange

Tank Bungs				
Part No.	Price	Description	Hole Size	SS Part
TF075	5.08	¾" Tank Fitting	1 ⅝"	TF075SS
TF100	6.05	1" Tank Fitting	2 ¼"	TF100SS
TF125	7.04	1 ¼" Tank Fitting	2 ¼"	TF125SS
TF150	10.83	1 ½" Tank Fitting	3"	TF150SS
TF220	13.84	2" Tank Fitting	3 ¼"	TF220SS
TF300	23.20	3" Tank Fitting	4 ⅜"	TF300SS

Anti Vortex Tank Flanges		
Part No.	Description	Hole Size
TF100AV	1" Anti Vortex Tank Flanges	2 ¼"
TF125AV	1 ¼" Anti Vortex Tank Flanges	2 ¼"
TF150AV	1 ½" Anti Vortex Tank Flanges	3"
TF200AV	2" Anti Vortex Tank Flanges	3"

Poly Bolted Tank Flanges	
Part No.	Description
BF075	¾" x 1" Threaded EPDM Flange
BF100	1" x 1" Threaded EPDM Flange
BF125	1 ¼" x 1" Threaded EPDM Flange
BF150	1 ½" x 2" Threaded EPDM Flange
BF200	2" x 2" Threaded EPDM Flange
BF200V	2" x 2" Threaded FKM (viton type) Flange
BF220	2" x 2" Full Port Threaded EPDM Flange
BF300	3" x 3" Threaded EPDM Flange



Poly Bulkhead Fittings		
Part No.	Description	Hole Size
TF050	½" Poly Bulkhead EPDM Tank Fitting	1 ⅝"
TF075	¾" Poly Bulkhead EPDM Tank Fitting	1 ⅝"
TF075V	¾" Poly Bulkhead FKM (viton type) Tank Fitting	1 ⅝"
TF100	1" Poly Bulkhead EPDM Tank Fitting	2 ¼"
TF125	1 ¼" Poly Bulkhead EPDM Tank Fitting	2 ¼"
TF150	1 ½" Poly Bulkhead EPDM Tank Fitting	3"
TF200	2" Poly Bulkhead EPDM Tank Fitting	3"
TF200V	2" Poly Bulkhead FKM (viton type) Tank Fitting	3"
TF220	2" Poly Bulkhead EPDM Tank Fitting	3 ¼"
TF300	3" Poly Bulkhead EPDM Tank Fitting	4 ½"
TF400	4" Poly Bulkhead EPDM Tank Fitting	5 ¾"

Pipe Fittings



Poly Propylene Swivels	
Part No.	Description
SW100	1" Female x 1" Male Poly Swivel
SW150	1 1/2" Female x 1 1/2" Male Poly Swivel
SW200	2" Female x 2" Male Poly Swivel
SW220	2" Full Port Male x 2" Port Female Swivel



Hose Barb Tee	
Part No.	Description
HBT025	1/4" Poly Hose Barb Tee
HBT038	3/8" Poly Hose Barb Tee
HBT050-038	1/2" x 1/2" x 3/8" Poly Hose Barb Tee
HBT050-075	1/2" x 1/2" x 3/4" Poly Hose Barb Tee
HBT075-050	3/4" x 3/4" x 1/2" Poly Hose Barb Tee
HBT075	3/4" Poly Hose Barb Tee
HBT100-075	1" x 1" x 3/4" Poly Hose Barb Tee
HBT100	1" Poly Hose Barb Tee



Hose Barbs	
Part No.	Description
HB025	1/4" Male Thread x 1/4" Hose Shank
HB025-050	1/4" Male Thread x 1/2" Hose
HB025-038	1/4" Male Thread x 3/8" Hose Shank
HB038	3/8" Male Thread x 3/8" Hose Shank
HB038-025	3/8" Male Thread x 1/4" Hose Barb
HB038-050	3/8" Male Thread x 1/2" Hose Shank
HB050-038	1/2" Male Thread x 3/8" Hose Shank
HB050-025	1/2" Male Thread x 1/4" Hose Barb
HB050	1/2" Male Thread x 1/2" Hose Shank
HB050-075	1/2" Male Thread x 3/4" Hose Shank
HB075-038	3/4" Male Thread x 3/8" Hose Shank
HB075-050	3/4" Male Thread x 1/2" Hose Shank
HB075-058	3/4" Male Thread x 5/8" Hose Shank
HB075	3/4" Male Thread x 3/4" Hose Shank
HB075-100	3/4" Male Thread x 1" Hose Shank
HB100-075	1" Male Thread x 3/4" Hose Shank
HB100	1" Male Thread x 1" Hose Shank
HB100-125	1" Male Thread x 1 1/4" Hose Shank
HB125-075	1 1/4" Male Thread x 3/4" Hose Shank
HB125-100	1 1/4" Male Thread x 1" Hose Shank
HB125	1 1/4" Male Thread x 1 1/4" Hose Shank
HB125-150	1 1/4" Male Thread x 1 1/2" Hose Shank
HB150-100	1 1/2" Male Thread x 1" Hose Shank
HB150-125	1 1/2" Male Thread x 1 1/4" Hose Shank
HB150	1 1/2" Male Thread x 1 1/2" Hose Shank
HB150-200	1 1/2" Male Thread x 2" Hose Shank
HB200-150	2" Male Thread x 1 1/2" Hose Shank
HB200	2" Male Thread x 2" Hose Shank
HB300	3" Male Thread x 3" Hose Shank
HB400	4" Male Thread x 4" Hose Shank



Hose Mender	
Part No.	Description
HM025	1/4" x 1/4" Hose Barb
HM038	3/8" Hose Barb x 1/8" Hose Barb
HM050	1/2" Hose Barb x 1/2" Hose Barb
HM075	3/4" Hose Barb x 3/4" Hose Barb
HM100	1" Hose Barb x 1" Hose Barb
HM125	1 1/4" Hose Barb x 1 1/8" Hose Barb
HM150	1 1/2" Hose Barb x 1 1/2" Hose Barb
HM200	2" Hose Barb x 2" Hose Barb
HM300	3" Hose Barb x 3" Hose Barb



Hose Barbs 90°	
Part No.	Description
HB025-90	1/4" Male Thread x 1/4" Hose Shank 90°
HB038-90	3/8" Male Thread x 3/8" Hose Shank 90°
HB025/038-90	1/4" Male Thread x 3/8" 90° Hose Barb
HB025/050-90	1/4" Male Thread x 1/2" 90° Hose Barb
HB050/038-90	1/2" Male Thread x 3/8" Hose Shank 90°
HB050-90	1/2" Male Thread x 1/2" Hose Shank 90°
HB050/075-90	1/2" Male Thread x 3/4" Hose Shank 90°
HB075/050-90	3/4" Male Thread x 1/2" Hose Shank 90°
HB075-90	3/4" Male Thread x 3/4" Hose Shank 90°
HB075/100-90	3/4" Male Thread x 1" Hose Shank 90°
HB100/075-90	1" Male Thread x 3/4" Hose Shank 90°
HB100-90	1" Male Thread x 1" Hose Shank 90°
HB100/125-90	1" Male Thread x 1 1/4" Hose Shank 90°
HB125/100-90	1 1/4" Male Thread x 1" Hose Shank 90°
HB125-90	1 1/4" Male Thread x 1 1/4" Hose Shank 90°
HB125/150-90	1 1/4" Male Thread x 1 1/2" 90° Hose Barb
HB150-90	1 1/2" Male Thread x 1 1/2" Hose Shank 90°
HB150/125-90	1 1/2" Male Thread x 1 1/4" 90° Hose Barb
HB200-90	2" Male Thread x 2" Hose Shank 90°
HB200/150-90	2" Male Thread x 1 1/2" 90° Hose Barb
HB300-90	3" Male Thread x 3" Hose Shank 90°



Vent Cap	
Part No.	Description
VC230	2" Vent Cap with 30 Mesh Screen
VC200	2" Vent Cap (without Screen)



Hose Barb Elbow	
Part No.	Description
HBEL100-90	1" Poly Hose Barb Elbow 90°



Reducer Nipple	
Part No.	Size
RN050-038	1/2" x 3/8"
RN075-050	3/4" x 1/2"
RN100-050	1" x 1/2"
RN100-075	1" x 3/4"
RN125-075	1 1/4" x 3/4"
RN125-100	1 1/4" x 1"
RN150-100	1 1/2" x 1"
RN150-125	1 1/2" x 1 1/4"
RN200-125	2" x 1 1/4"
RN200-150	2" x 1 1/2"
RN300-200	3" x 2"



SL Street Elbow	
Part No.	Size
SL025-90	1/4"
SL038-90	3/8"
SL050-90	1/2"
SL075-90	3/4"
SL100-90	1"
SL125-90	1 1/4"
SL150-90	1 1/2"
SL200-90	2"
SL300-90	3"



Cross	
Part No.	Size
CR075	3/4"
CR100	1"
CR125	1 1/4"
CR150	1 1/2"
CR200	2"



Pipe Elbow	
Part No.	Size
EL025-90	1/4"
EL050-90	1/2"
EL075-90	3/4"
EL100-90	1"
EL125-90	1 1/4"
EL150-90	1 1/2"
EL200-90	2"
EL300-90	3"



Pipe Cap	
Part No.	Size
CAP025	1/4"
CAP038	3/8"
CAP050	1/2"
CAP075	3/4"
CAP100	1"
CAP125	1 1/4"
CAP150	1 1/2"
CAP200	2"
CAP300	3"



Pipe Plug	
Part No.	Size
PLUG025	1/4"
PLUG038	3/8"
PLUG050	1/2"
PLUG075	3/4"
PLUG100	1"
PLUG125	1 1/4"
PLUG150	1 1/2"
PLUG200	2"
PLUG300	3"



Pipe Fittings



Pipe Tee	
Part No.	Size
TEE025	1/4"
TEE038	3/8"
TEE050	1/2"
TEE075	3/4"
TEE100	1"
TEE125	1 1/4"
TEE150	1 1/2"
TEE200	2"
TEE300	3"



Reducer Coupling	
Part No.	Size
RC100-075	1" x 3/4"
RC150-100	1 1/2" x 1"
RC150-125	1 1/2" x 1 1/4"
RC200-100	2" x 1"
RC200-125	2" x 1 1/4"
RC200-150	2" x 1 1/2"
RC300-200	3" x 2"



Reducer Bushing	
Part No.	Size
RB038-025	3/8" x 1/4"
RB050-025	1/2" x 1/4"
RB050-038	1/2" x 3/8"
RB075-025	3/4" x 1/4"
RB075-038	3/4" x 3/8"
RB075-050	3/4" x 1/2"
RB100-025	1" x 1/4"
RB100-050	1" x 1/2"
RB100-075	1" x 3/4"
RB125-038	1 1/4" x 3/8"
RB125-075	1 1/4" x 3/4"
RB125-100	1 1/4" x 1"
RB150-075	1 1/2" x 3/4"
RB150-100	1 1/2" x 1"
RB150-125	1 1/2" x 1 1/4"
RB200-075	2" x 3/4"
RB200-100	2" x 1"
RB200-125	2" x 1 1/4"
RB200-150	2" x 1 1/2"
RB300-150	3" x 1 1/2"
RB300-200	3" x 2"
RB400-300	4" x 3"



Pipe Nipple*	
Part No.	Size
NIP025-SH	1/4" short poly nipple
NIP038-SH	3/8" short poly nipple
NIP050-SH	1/2" short poly nipple
NIP050-3	1/2" x 3" poly nipple
NIP075-SH	3/4" short poly pipe nipple
NIP075-4	3/4" x 4" poly pipe nipple
NIP075-6	3/4" x 6" poly pipe nipple
NIP100-SH	1" x short poly pipe nipple
NIP100-4	1" x 4" poly pipe nipple
NIP100-6	1" x 6" poly pipe nipple
NIP125-SH	1 1/4" short poly pipe nipple
NIP125-4	1 1/4" x 4" poly pipe nipple
NIP125-6	1 1/4" x 6" poly pipe nipple
NIP150-SH	1 1/2" short poly pipe nipple
NIP150-3	1 1/2" x 3" poly pipe nipple
NIP150-4	1 1/2" x 4" poly pipe nipple
NIP150-5	1 1/2" x 5" poly pipe nipple
NIP150-6	1 1/2" x 6" poly pipe nipple
NIP200-SH	2" short poly pipe nipple
NIP200-4	2" x 4" poly pipe nipple
NIP200-6	2" x 6" poly pipe nipple
NIP300-SH	3" short poly pipe nipple
NIP300-4	3" x 4" poly pipe nipple
NIP300-6	3" x 6" poly pipe nipple
NIP400-SH	4" short poly pipe nipple



Pipe Coupling	
Part No.	Size
CPLG025	1/4"
CPLG038	3/8"
CPLG050	1/2"
CPLG075	3/4"
CPLG100	1"
CPLG125	1 1/4"
CPLG150	1 1/2"
CPLG200	2"
CPLG300	3"



Stainless Steel Hose Barbs	
Part No.	Description
HB025SS	1/4" Male Thread x 1/4" Hose Shank
PPHB025/038SS	1/4" Male Thread x 3/8" Hose Shank
PPHB025/050SS	1/4" Male Thread x 1/2" Hose Shank
HB038SS	3/8" Male Thread x 3/8" Hose Shank
HB038-050SS	3/8" Male Thread x 1/2" Hose Shank
PPHB050SS	1/2" Male Thread x 1/2" Hose Shank
HB050-058SS	1/2" Male Thread x 5/8" Hose Shank
HB050-075SS	1/2" Male Thread x 3/4" Hose Shank
HB075-050SS	3/4" Male Thread x 1/2" Hose Shank
PPHB075SS	3/4" Male Thread x 3/4" Hose Shank
PPHB075/100SS	3/4" Male Thread x 1" Hose Shank
HB100-075SS	1" Male Thread x 3/4" Hose Shank
PPHB100SS	1" Male Thread x 1" Hose Shank
PPHB125SS	1 1/4" Male Thread x 1 1/4" Hose Shank
PPHB150SS	1 1/2" Male Thread x 1 1/2" Hose Shank
PPHB200SS	2" Male Thread x 2" Hose Shank
PPHB300SS	3" Male Thread x 3" Hose Shank

*Also available in stainless-steel.

316 STAINLESS-STEEL HOSE BARBS

Manifold Fittings



Flanged Couplings



Part No.	Description
M100CPG	1" X 1" Flange
M200CPG	2" X 2" Flange
M220CPG	2" X 2" Full Port Flange
M220CPG6	2" X 2" Full Port Flange X 6" Long
M300CPG	3" X 3" Full Port Flange X 4" Long
M300CPG7	3" X 3" Full Port Flange X 7" Long

45° Flanged Couplings



Part No.	Description
M100CPG45	1" X 1" 45° Flange
M200CPG45	2" X 2" 45° Flange
M220CPG45	2" X 2" 45° Full Port Flange
M300CPG45	3" X 3" 45° Full Port Flange

90° Flanged Couplings



Part No.	Description
M100CPG90	1" X 1" 90° Flange
M200CPG90	2" X 2" 90° Flange
M200CPG90SH	2" X 2" 90° Flange
M220CPG90	2" X 2" 90° Full Port Flange
M300CPG90	3" X 3" 90° Full Port Flange

Flanged Tee



Part No.	Description
M100TEE	1" Flanged Tee
M101TEE	1" Flanged Tee - Long
M200100TEE	2" Port X 1" Flanged Tee
M200TEE	2" Port Flanged Tee
M200100TEEB	2" X 1" Port Flanged Tee w/ Mounting Bracket
M220100TEE	2" Full Port Flanged Tee X 1" Flanged Tee
M220200TEE	2" Full Port Flanged Tee X 2" Flanged Tee
M220TEE	2" Full Port Flanged Tee
M300TEE	3" Flanged Tee



Note: *Gauge not included.

45° Y Flanged Couplings

Part No.	Description
M220Y45	2" Full Port 45° Y Flange
M220YG45	2" Full Port 45° Y Flange w/ 3/4" gauge port*
M300Y45	3" Full Port 45° Y Flange
M300YG45	3" Full Port 45° Y Flange w/ 3/4" gauge port*

Flange X Male BSP



Part No.	Description
M100BSP	1" Manifold Flange X 1" Male BSP
M200BSP	2" Manifold Flange X 2" Male BSP
M220BSP	2" Full Port Manifold Flange X 2" Male BSP
M300BSP	3" Full Port Manifold Flange X 3" Male BSP

Sweep - Hose Barb



Part No.	Description
M100BRBWP90	1" Flange x 1" Hose Shank
M100125BRBWP90	1" Flange x 1-1/4" Hose Shank
M220BRBWP90	2" FP Flange x 2" Hose Shank
M300BRBWP90	3" Flange x 3" Hose Shank

U Bolt-SS



Part No.	Description
UB100	100 Series Mounting U Bolt
UB202	200 Series Mounting U Bolt
UB220	220 Series Mounting U Bolt

Flange X NPT Thread



Part No.	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" Flange X 1 1/4" Male Thread
M200150MPT	2" Flange X 1 1/2" Male Thread
M200MPT	2" Flange X 2" Male Thread
M220MPT	2" Full Port Flange X 2" Male Thread
M300MPT	3" Flange X 3" Male Thread

Flanged Reducer Couplings



Part No.	Description
M200100CPG	2" Port X 1" Reducer Flange
M220100CPG	2" Full Port X 1" Reducer Flange
M220200CPG	2" Full Port X 2" Reducer Flange
M300200CPG	3" X 2" Port Reducer Flange
M300220CPG	3" X 2" Full Port Reducer Flange

Flange X Female NPT Thread



Part No.	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" Flange X 2" Pipe Thread
M220FPT	2" Full Port Flange X 2" Pipe Thread
M300FPT	3" Flange X 3" Pipe Thread

Manifold Fittings

Flange X Male QDC

Part No.	Description
M100A	1" Flange X 1" Male Adapter
M200A	2" Flange X 2" Male Adapter
M220A	2" Full Port Flange X 2" Male Adapter
M300A	3" Full Port Flange X 3" Male Adapter



Flanged Poly Check Valves

Part No.	Description	PSI	Flow
MCV100	1" Flanged Poly Check Valve	150	1"
MCV200	2" Flanged Poly Check Valve	150	1½"
MCV220	2" Full Port Flanged Poly Check Valve	150	2"



Flange X Hose Barb

Part No.	Description
M100075BRB	1" Flange X ¾" Hose Barb
M100BRB	1" Flange X 1" Hose Barb
M100125BRB	1" Flange X 1¼" Hose Barb
M200100BRB	2" Flange X 1" Hose Barb
M200125BRB	2" Flange X 1¼" Hose Barb
M200150BRB	2" Flange X 1½" Hose Barb
M200BRB	2" Flange X 2" Hose Barb
M220100BRB	2" Full Port Flange X 1" Hose Barb
M220125BRB	2" Full Port Flange X 1¼" Hose Barb
M220150BRB	2" Full Port Flange X 1½" Hose Barb
M220BRB	2" Full Port Flange X 2" Hose Barb
M300220BRB	3" Flange X 2" Hose Barb
M300BRB	3" Flange X 3" Hose Barb



Flange X Female QDC

Part No.	Description
M220D	2" Full Port Flange X 2" Female Coupler



Flange X 45° Hose Barb Elbow

Part No.	Description
M100BRB45	1" Flange X 1" 45° Hose Barb Elbow
M200BRB45	2" Flange X 2" 45° Hose Barb Elbow
M200150BRB45	2" Flange X 1½" 45° Hose Barb Elbow
M220BRB45	2" Full Port Flange X 2" 45° Hose Barb Elbow
M300BRB45	3" Flange X 3" 45° Hose Barb Elbow

Flanged Cross

Part No.	Descrip.
M100CR	1" Flanged Cross
M200CR	2" Flanged Cross
M220CR	2" Full Port Flanged Cross
M300CR	3" Flanged Cross



Flange Clamps

Part No.	Description
FC100	100 Series Worm Screw Clamp
FC200	200 Series Worm Screw Clamp
FC220	220 Series Worm Screw Clamp
FC300	300 Series Worm Screw Clamp



T-Bolt Flange Clamps

Part No.	Description
FC220TB	2" Full Port Hi-Torque T-Bolt Flange Clamp
FC300TB	3" Full Port Hi-Torque T-Bolt Flange Clamp



Flange Plugs (Solid & w/ Gauge Port)

Part No.	Description
M100PLG	1" Flange Plug
M200PLG	2" Flange Plug
M220PLG	2" Full Port Flange Plug
M300PLG	3" Flange Plug
M100PLG025	1" Flange Plug with ¼" FPT
M200PLG025	2" Flange Plug with ¼" FPT
M200PLG038	2" Flange Plug with 3/8" FPT
M200PLG050	2" Flange Plug with ½" FPT
M200PLG075	2" Flange Plug with ¾" FPT
M200PLG100	2" Flange with 1" FPT
M220PLG075	2" Full Port Flange Plug with ¾" FPT
M300PLG075	3" Flange Plug with ¾" FPT
M300PLG100	3" Flange Plug with 1" FPT



Flange X Hose Barb Tee

Part No.	Description
M100100HBT	1" Flange X 1" Hose Barb Tee
M100125HBT	1" Flange X 1¼" Hose Barb Tee
M220200HBT	2" Full Port Flange X 2" Hose Barb Tee
M300300HBT	3" Flange X 3" Hose Barb Tee

Manifold Fittings & Valves

Flange 90° Hose Barb Elbow

Part No.	Description
M100075BRB90	1" Flange X ¾" 90° Hose Barb Elbow
M100BRB90	1" Flange X 1" 90° Hose Barb Elbow
M100125BRB90	1" Flange X 1¼" 90° Hose Barb Elbow
M100150BRB90	1" Flange X 1½" 90° Hose Barb Elbow
M200100BRB90	2" Flange X 1" 90° Hose Barb Elbow
M200125BRB90	2" Flange X 1¼" 90° Hose Barb Elbow
M200150BRB90	2" Flange X 1½" 90° Hose Barb Elbow
M200BRB90	2" Flange X 2" 90° Hose Barb Elbow
M220150BRB90	2" Full Port Flange X 1½" 90° Hose Barb Elbow
M220BRB90	2" Full Port Flange X 2" 90° Hose Barb Elbow
M300220BRB90	3" Flange X 2" 90° Hose Barb Elbow
M300BRB90	3" Flange X 3" 90° Hose Barb Elbow



Flange X Male NPT Thread -316SS

Part No.	Description
M100MPTSS	1" Flange X 1" Male Thread
M200125MPTSS	2" Flange X 1¼" Male Thread
M200150MPTSS	2" Flange X 1½" Male Thread
M200MPTSS	2" Flange X 2" Male Thread
M220150MPTSS	2" Full Port Flange X 1½" Male Thread
M220MPTSS	2" Full Port Flange X 2" Male thread
M300220MPTSS	3" Flange X 2" Full Port Male Thread
M300MPTSS	3" Flange X 3" Male Thread



Flange Gaskets

Part No.	Description
FG100	1" Flange Gasket
FG200	2" Flange Gasket
FG220	2" FP Flange Gasket
FG300	3" Flange Gasket
FG100V	1" Flange Gasket; Viton
FG200V	2" Flange Gasket; Viton
FG220V	2" FP Flange Gasket; Viton
FG300V	3" Flange Gasket; Viton



Flange Gaskets

Part No.	Description
M100G	1" EPDM Manifold Gasket
M101G*	1" EPDM Manifold Gasket with Rib
M100GV	100 Series FKM (viton type) Gasket
150G	1½" EPDM Gasket
150GV	200 Series FKM (viton type) Gasket
200G	220 Series Gasket
200GV	220 Series Full Port FKM (viton type) Gasket
M201G*	2" EPDM Manifold Gasket with Rib
M221G*	2" Full Port EPDM Manifold Gasket with Rib
300G	3" EPDM Gasket
300GV	300 Series FKM (viton type) Gasket
M301G	3" EPDM Manifold Gasket with Rib



Valve - Mounting Plates

- 316 Stainless Steel construction

	PART #	PRICE ea.	DESCRIPTION	FITS VALVES
NEW	V10270	\$13.50	Straight Mounting Bracket	V100FPY, V125Y
	V25270	\$24.85	Straight Mounting Bracket	V125FPY, V150FPY, V200Y
NEW	V10271	\$14.60	90° Mounting Bracket	V100FPY, V125Y
	V25271	\$28.42	90° Mounting Bracket	V125FPY, V150FPY, V200Y

Valve Carry Handle

Part No.	Description
V25272	Valve Handle



316 Stainless Steel construction ... Fits most bolted valves 1" full port & above.

Polypropylene Bolted Ball Valves

Part No.	Description	Pipe Size	Ball Opening
V050	Valve - Full Port	1/2"	3/4"
V075	Valve - Full Port	3/4"	3/4"
V100	Valve - Std Port	1"	3/4"
V100FP	Valve - Full Port	1"	1"
V125	Valve - Std Port	1 1/4"	1"
V125FP	Valve - Full Port	1 1/4"	1 1/2"
V150	Valve - Full Port	1 1/2"	1 1/2"
V200	Valve - Std Port	2"	1 1/2"
V200FP	Valve - Full Port	2"	2 1/6"
V300	Valve Std Port	3"	2 1/2"
V300FP	Valve - Full Port	3"	3"
V400	Valve - Std Port	4"	3 1/2"
VFM-T200FP	2" Full Port Valve w/ F Adapter	2"	2"
VL20153	Locking Device		
VL25153	Locking Device		

FEATURES

- Stainless Steel Bolts
- Precision molded in polypropylene. Polypropylene is reinforced with fiberglass for additional strength.
- Self-aligning ball moves freely against the Teflon® seats for smooth operation. The valve opens and closes with very little pressure on the handle.
- Ball is diamond turned after molding to make it spherically perfect which provides the right contact between ball and seats.
- Viton "O" ring stem seal
- Teflon® self-lubricating stem bushings and seats cannot stick or bind
- Maximum operating pressure 100 PSI



Padlock not included with locking device or handle.

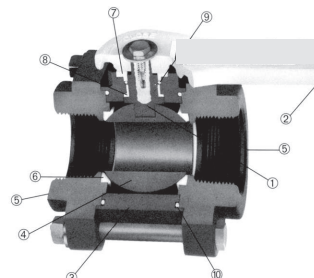
Item	Description	VA-100 V-050 V-075 V-100 Part No.	V-100-FR V-125 Part No.	V-125-FP V-150 VA-150 V-200 VA-200 Part No.	V-200-FP VA- 200-FP Part No.	V-300 Part No.	V-300-FP Part No.
1	Stem	V-07151	V-10151	V-20151	V-25151	V-25151	V-25151
2	Handle Straight	V-07153	V-10153	V-20153	V-25153	V-25153	V-25153
2	Handle Angle			V-20152	V-25152		
3	Valve Body	V-07254	V-10254	V-20254	V-25254	V-30254	V-35254
4	Valve Ball*	V-07155	V-10155	V-20255	V-25255	V-30255	V-35255
5	1/2" End Plate	V-05256					
5	3/4" End Plate	V-07257					
5	1" End Plate	V-07256	V-10257				
5	1-1/4" End Plate		V-10256	V-20267			
5	1-1/2" End Plate			V-20257			
5	2" End Plate			V-20256	V-25256		
5	3" End Plate					V-30264	V-35264
5	1-1/2" Angle End Flange			V-20262			
5	2" Angle End Flange			V20261	V-25261		
6	Teflon Seats*	V-07258A	V-10258A	V-20258A	V-25258A	V-30258A	V-35258A
7	Upper Stem Bushing*	V-07519	V-10159	V-20159	V-25160	V-25160	V-25160
8	Thrust Washer*	V-07060	V-10060	V-20060	V-25060	V-25060	V-25060
9	Stem O-Ring - Viton*	V-07163	V-10163	V-20163	V-25163	V-25163	V-25163
10	Valve Body O-Ring - Viton*	V-07264	V-10264	V-20264	V-25264	V-30265	V-35265
	1" Nozzle Pipe	V-10161					
	1-1/2" Nozzle Pipe			V-20166			
	2" Nozzle Pipe			V-25165	V-25165		
	Valve Repair Kit*	V-07200	V-10200	V-20200	V-25200	V-30200	V-35200

LOCKING DEVICE AND LOCKING HANDLE

BOTH OF STAINLESS STEEL • LOCK IN OPEN AND CLOSED POSITION



Polypropylene Bolted Ball Valves Replacement Parts



*Valve repair kits contain items noted with asterisk:

- | | |
|----------------|----------------------|
| 1 Ball | 1 Upper Stem Bushing |
| 2 Ball Seats | 1 Thrust Washer |
| 2 Body O-Rings | 1 Stem O-Ring |

Polypropylene Bolted Ball Valves



Polypropylene Bolted Ball Valves			
Part No.	Description	Pipe Size	Ball Opening
V050	Valve - Full Port	½"	¾"
V075	Valve - Full Port	¾"	¾"
V100	Valve - Std Port	1"	¾"
V100FP	Valve - Full Port	1"	1"
V125	Valve - Std Port	1 ¼"	1"
V125FP	Valve - Full Port	1 ¼"	1 ½"
V150	Valve - Full Port	1 ½"	1 ½"
V200	Valve - Std Port	2"	1 ½"
V200FP	Valve - Full Port	2"	2 ¼"
V300	Valve - Std Port	3"	2 ½"
V300FP	Valve - Full Port	3"	3"
V400	Valve - Std Port	4"	3 ½"
V400FP	Valve - Full Port	4"	4"
VL20153	Locking Device		
VL25153	Locking Device		

Polypropylene Bolted Ball Valves			
Part No.	Description	Max PSI	Ball Opening
VF204FPY	2" Female NPT x 2" Male Adapter	100	2"
VFMT204FPY	2" Male NPT x 2" Male Adapter	100	2"
VMT204FPY	2" Female NPT x 2" Male NPT	100	2"
VMM204FPY	2" Male NPT x 2" Male NPT	100	2"

	PART #	DESCRIPTION	MAX. PSI
NEW 	VSHBD204FP	2" Hose Barb x 2" Female Coupler Full Port 2" opening thru ball	100
NEW 	VSHBD300FP	3" Hose Barb x 3" Female Coupler Full Port 3" opening thru ball	100
NEW 	MVSD220FP	2" FP Flange x 2" Female Coupler Full Port 2" opening thru ball	100
NEW 	MVSD300FP	3" Flange x 3" Female Coupler Full Port 3" opening thru ball	100
NEW 	MVSHB220FP	2" Hose Barb x 2" FP Flange Full Port 2" opening thru ball	100
NEW 	MVSHB300FP	3" Hose Barb x 3" Flange Full Port 3" opening thru ball	100



Polypropylene Bolted Ball Valves

	PART #	DESCRIPTION	MAX. PSI
	VSFMT204HSFP	2" Male Adapter x 2" Male NPT 2" opening thru ball	100
	VSFMT300HSFP	3" Male Adapter x 3" Male NPT 3" opening thru ball	100
	MVS220HSFP	2" FP Flange x 2" FP Flange 2" opening thru ball	100
	MVSF220HSFP	2" FP Flange x 2" Male Adapter 2" opening thru ball	100
	MVSMT220HSFP	2" Male NPT x 2" FP Flange 2" opening thru ball	100
	MVS300HSFP	3" Flange x 3" Flange 3" opening thru ball	100
	MVSF300HSFP	3" Flange x 3" Male Adapter 3" opening thru ball	100
	MVSMT300HSFP	3" Male NPT x 3" Flange 3" opening thru ball	100

VS Valve features:

- Compact Design
- Stainless Steel Ball, Handle, Stem and Bolts
- Precision molded in polypropylene.
- Locking Handle
- Viton® "O" rings.
- Teflon® self-lubricating stem bushings and seats cannot stick or bind.



Banjo 3/4" - 1 1/4" On/Off Electric Valves

Part No.	Description	Max PSI	Pipe Size	Opening Thru Ball	Qty
EV075	3/4" Full Port Electric Valve	150	3/4"	1"	1
EV100FP	1" Full Port Electric Valve	150	1"	1"	1
EV125	1 1/4" Electric Valve	150	1 1/4"	1"	1



Polypropylene Bolted Ball Valves | Sweeps | Tank Flanges

3" Full Port Poly Valves

FEATURES

- Stainless steel bolts
- 100 P.S.I.
- PTFE ball seats
- Glass filled polypropylene
- FKM (viton type) body seals



3" Full Port Poly Valves

Part No.	Description	Max PSI	Pipe Size	Opening Thru Ball
VSMT300	3" FP Male NPT X 3" Male Adapter	100	3"	3"

3" Full Port Manifold Poly Valves

FEATURES

- Stainless steel bolts
- 100 P.S.I.
- PTFE ball seats
- Glass filled polypropylene
- FKM (viton type) body seals

Sweeps

FEATURES

- Direct replacement for standard 90° flanged elbows



M200SWP90

M220200SWP90

Sweeps

Part No.	Description	Qty
M200SWP90	2" Flange X Flange Sweep	1
M220200SWP90	2" Full Port Flange X Flange Sweep	1

Manifold Tank Flanges

FEATURES

- Glass reinforced polypropylene
- EPDM gaskets standard
- FKM (viton type) available



Manifold Poly Bottom Drain Bolted Tank Flanges

Part No.	Description	Qty
MTF220BD	2" X 2" Full Port Manifold Threaded EPDM Flange	1
MTF300BD	3" X 3" Manifold Threaded EPDM Flange	1

*Gasket and clamp not included.

Manifold Poly Bulkhead Fittings

Part No.	Description	Hole Size	Qty
MTF220	2" Manifold Poly Bulkhead EPDM Tank Fitting	3 1/4"	1
MTF300	3" Manifold Poly Bulkhead EPDM Tank Fitting	4 1/2"	1

*Gasket and clamp not included.

Polypropylene Ball Valves

Single Union Polypropylene Bolted Ball Valves

FEATURES

- Precision molded in glass reinforced polypropylene for strength and chemical resistance
- Teflon seats for smooth operation and proper seating characteristics
- EPDM O-rings to handle most fertilizers and many chemicals. Viton available.

- Double O-rings in stem area for extra seating protection
- Visual handle stops for turning off and on
- Interlocking body and end plate to allow easy thread connection when installing valves
- Maximum operating pressure 100 PSI at 72°
- Quality with Economy

Part No.	Description	Pipe Size	Ball Opening
UV050FP	½" Single Union Poly Valve	½"	¾"
UV075FP	¾" Single Union Poly Valve	¾"	¾"
UV100FP	1" Single Union Poly Valve	1"	1"
UV125FP	1 ¼" Single Union Poly Valve	1 ¼"	1 ½"
UV150FP	1 ½" Single Union Poly Valve	1 ½"	1 ½"
UV200FP	2" Single Union Poly Valve	2"	2"



Bottom Load

Directional flow either right or left.
Valve cannot be turned off.

Part No.	Description	Pipe Size	Ball Opening
V075BL	¾" 3-Way Bottom Load Poly	¾"	1"
V100BL	1" 3-Way Bottom Load Poly	1"	1"
V125BL	1 ¼" 3-Way Bottom Load Poly	1 ¼"	1 ¼"
V150BL	1 ½" 3-Way Bottom Load Poly	1 ½"	1 ½"
V200BL	2" 3-Way Bottom Load Poly	2"	2"



3-Way Poly Ball Valves

FEATURES

- Stainless Steel Bolts
- Precision molded in polypropylene. Polypropylene is reinforced with fiberglass for additional strength.
- Self-aligning ball moves freely against the Teflon® seats for smooth operation. The valve opens and closes with very little pressure on the handle.
- Ball is diamond turned after molding to make it spherically perfect which provides the right contact between ball and seats.
- Viton "O" ring stem seal
- Teflon® self-lubricating stem bushings and seats cannot stick or bind
- Maximum operating pressure 100 PSI



Side Load

Directional flow either right or left.
Valve can be turned off to stop flow.

Part No.	Description	Pipe Size	Ball Opening
V075SL	¾" 3-Way Side Load Poly	¾"	1"
V100SL	1" 3-Way Side Load Poly	1"	1"
V125SL	1 ¼" 3-Way Side Load Poly	1 ¼"	1 ½"
V150SL	1 ½" 3-Way Side Load Poly	1 ½"	1 ½"
V200SL	2" 3-Way Side Load Poly	2"	2"

Nozzle Valves

Part No.	Description	Pipe Size	Ball Opening
VA200FP	Bolted Valve-Full Port with Angle Hose End	2"	1 ⅛"
UVA100FP	Single Union Poly Valve with Angle Hose End	1"	1"
VA150	Bolted Valve-Full Port with Angle Hose End	1 ½"	1 ½"
VA200	Bolted Valve-Standard Port with Angle Hose End	2"	1 ½"

Polypropylene Nozzle Valves



Lightweight hose end valve for convenient transfer of liquids. Angled end flange with 8" long polypropylene fill spout.

Manifold Line Strainers



FEATURES

- EPDM gaskets.
- 316 stainless steel screens.
- 150 P.S.I. maximum.

2" Full Port Manifold Y Line Strainers

Part No.	Description	Max PSI	Qty.
MLS222BC	2" Full Port Flanged Body & Cap	150	1
MLS222-04	2" Full Port Manifold Y Strainer w/ 4 Mesh Screen	150	1
MLS222-06	2" Full Port Manifold Y Strainer w/ 6 Mesh Screen	225	1
MLS222-08	2" Full Port Manifold Y Strainer w/ 8 Mesh Screen	150	1
MLS222-10	2" Full Port Manifold Y Strainer w/ 10 Mesh Screen	150	1
MLS222-16	2" Full Port Manifold Y Strainer w/ 16 Mesh Screen	150	1
MLS222-30	2" Full Port Manifold Y Strainer w/ 30 Mesh Screen	150	1
MLS222-50	2" Full Port Manifold Y Strainer w/ 50 Mesh Screen	150	1
MLS222-80	2" Full Port Manifold Y Strainer w/ 80 Mesh Screen	150	1
MLS222-100	2" Full Port Manifold Y Strainer w/100 Mesh Screen	150	1



Threaded end cap
to remove screen!

*WARNING: 3" Polypropylene "Y" Strainer to be used on suction side or non-pressure side in all applications.

3" Manifold Y Line Strainers

Part No.	Description	Max PSI	Qty.
MLS300-08	3" Full Port Manifold Y Strainer w/ 8 Mesh Screen	150	1
MLS300-12	3" Full Port Manifold Y Strainer w/ 12 Mesh Screen	150	1
MLS300-20	3" Full Port Manifold Y Strainer w/ 20 Mesh Screen	150	1
MLS300-50	3" Full Port Manifold Y Strainer w/ 50 Mesh Screen	150	1

Manifold Line Strainers

Manifold T Line Strainers



1" Manifold T Line Strainers			
Part No.	Description	Max PSI	Qty.
MLST100-16	1" Manifold T Strainer w/ 16 Mesh Screen	150	1
MLST100-30	1" Manifold T Strainer w/ 30 Mesh Screen	150	1
MLST100-50	1" Manifold T Strainer w/ 50 Mesh	150	1
MLST100-80	1" Manifold T Strainer w/ 80 Mesh	150	1
MLST100-100	1" Manifold T Strainer w/ 100 Mesh	150	1

2" Manifold T Line Strainers			
Part No.	Description	Max PSI	Qty.
MLST150-16	2" Manifold T Strainer w/ 16 Mesh Screen	150	1
MLST150-30	2" Manifold T Strainer w/ 30 Mesh Screen	150	1
MLST150-80V	2" Manifold T Strainer w/ 80 Mesh Screen w/ FKM Gaskets	225	1
MLST150-50	2" Manifold T Strainer w/ 50 Mesh	150	1
MLST150-80	2" Manifold T Strainer w/ 80 Mesh	150	1
MLST150-100	2" Manifold T Strainer w/ 100 Mesh	150	1

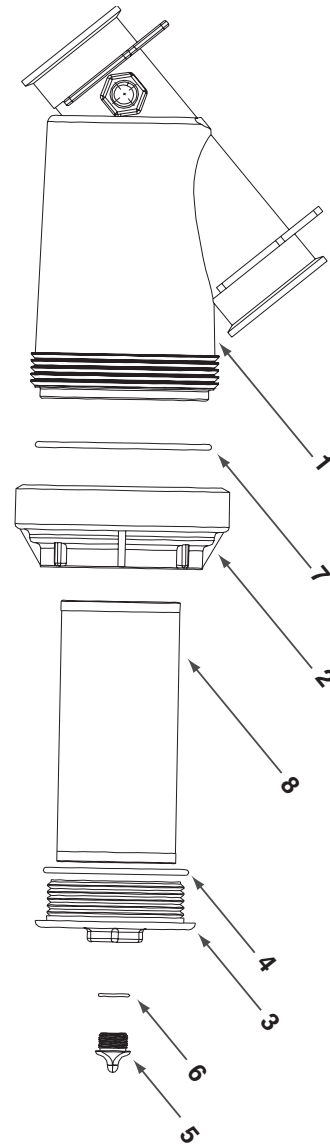
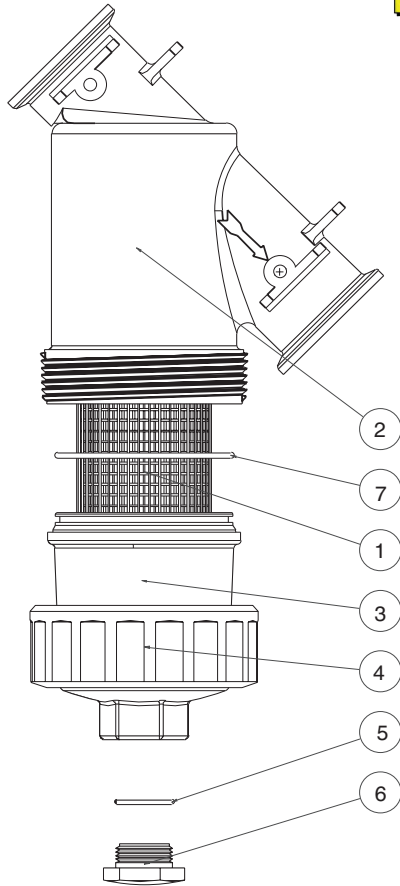
Manifold Y Line Strainers



1" Manifold Y Line Strainers			
Part No.	Description	Max PSI	Qty.
MLS100-20	1" Manifold Y Strainer w/ 20 Mesh Screen	150	1
MLS100-40	1" Manifold Y Strainer w/ 40 Mesh Screen	150	1
MLS100-50	1" Manifold Y Strainer w/ 50 Mesh Screen	150	1
MLS100-80	1" Manifold Y Strainer w/ 80 Mesh Screen	150	1

2" Manifold Y Line Strainers			
Part No.	Description	Max PSI	Qty.
MLS200BC	2" Flanged Body & Cap	150	1
MLS200-06	2" Manifold Y Strainer w/ 6 Mesh Screen	150	1
MLS200-12	2" Manifold Y Strainer w/ 12 Mesh Screen	150	1
MLS200-20	2" Manifold Y Strainer w/ 20 Mesh Screen	150	1
MLS200-30	2" Manifold Y Strainer w/ 30 Mesh Screen	150	1
MLS200-50	2" Manifold Y Strainer w/ 50 Mesh Screen	150	1
MLS200-50M	2" Manifold Y Strainer w/ Mounting Bracket w/ 50 Mesh Screen	225	1
MLS200-80	2" Manifold Y Strainer w/ 80 Mesh Screen	150	1
MLS200-100	2" Manifold Y Strainer w/ 100 Mesh Screen	150	1
MLS200-120	2" Manifold Y Strainer w/ 120 Mesh Screen	150	1

Manifold Line Strainer Parts



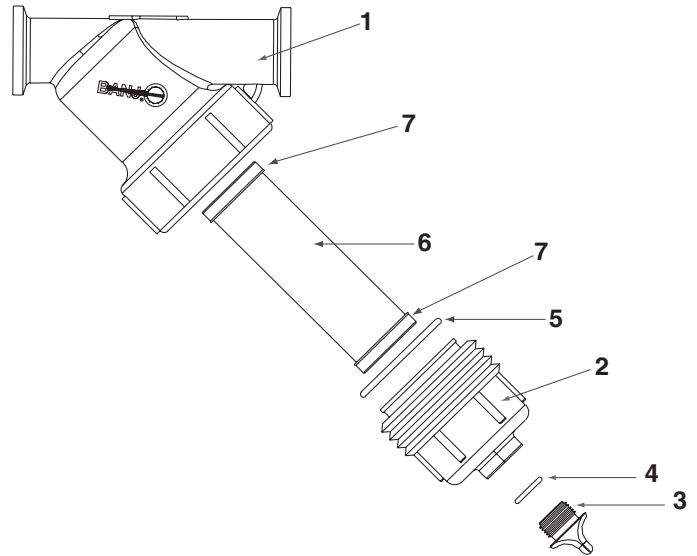
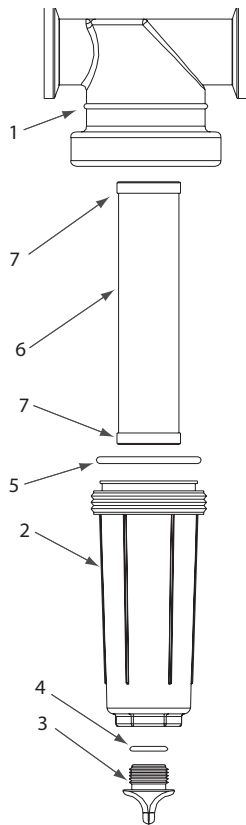
Replacement Parts MLS222

ITEM	PART NO	DESCRIPTION	QTY
1	LST204SS	4 SS Mesh Screen	1
1	LST206SS	6 SS Mesh Screen	1
1	LST208SS	8 SS Mesh Screen	1
1	LST210SS	10 SS Mesh Screen	1
1	LST216SS	16 SS Mesh Screen	1
1	LST230SS	30 SS Mesh Screen	1
1	LST250SS	50 SS Mesh Screen	1
1	MLS250SS	50 SS Mesh Perforated Screen	1
1	LST280SS	80 SS Mesh Screen	1
1	MLS280SS	80 SS Mesh Perforated Screen	1
1	LST2100SS	100 SS Mesh Screen	1
2	MLS220B1	2" Flanged Y Strainer Body	1
3	MLS220C1	2" Flanged Y Strainer Cap	1
4	MLS220R1	2" Flanged Y Strainer O-Ring	1
5	LSQ200R	2" Plug Gasket	1
6	LSQ200PL	2" Plug	1
7	MLS220G1	2" Body Gasket	1
2-7	MLS220BC	Strainer without Screen	1

Replacement Parts MLS300

ITEM	PART NO	DESCRIPTION	QTY
1	MLS300B	3" Flanged Y Strainer Body	1
2	MLS300CAP	3" Flanged Y Strainer Cap	1
3	LS300EC	3" End Cap	1
4	LS300ECG	3" EPDM End Cap Gasket	1
4	MLS300ECGV	3" FKM (viton type) End Cap Gasket	1
5	13777	3" End Cap Plug	1
6	13778	3" End Cap Plug Gasket	1
7	MLS300G	3" EPDM Cap Gasket	1
7	MLS300GV	3" FKM (viton type) Cap Gasket	1
8	LS304	4 SS Mesh Screen	1
8	LS308	8 SS Mesh Screen	1
8	LS312	10 SS Mesh Screen	1
8	LS320	16 SS Mesh Screen	1
8	LS350	30 SS Mesh Screen	1

Manifold Line Strainer Parts



Replacement Parts MLST100

ITEM	PART NO	DESCRIPTION
1	MLST100-H	1" Flanged T Strainer Head
N/S	MLST100-HB	1" Flanged T Strainer (Includes 1-5)
2	LST100-B	1" Flanged T Strainer Bowl, Drain Plug & O-Ring
3	12777	1" Flanged T Strainer Plug
4	UV15163	1" Flanged T Strainer O-Ring
5	LST100-G	1" EPDM Gasket
5	LST100-GV	1" FKM (viton type) Gasket
6	LST116	16 Mesh Screen
6	LST130	30 Mesh Screen
6	LST150	50 Mesh Screen
6	LST180	80 Mesh Screen
6	LST1100	100 Mesh Screen
7	LS125G	1" EPDM O-Ring for Screen

Replacement Parts MLS100

ITEM	PART NO	DESCRIPTION
1	MLS100B	1" Y Strainer Body
N/S	MLS100BC	1" Y Strainer Assembly (Includes items 1-5)
2	LS100-C1	1" Y Strainer Cap, Drain Plug & O-Ring
3	12777	1" Flanged Y Strainer Plug
4	UV15163	1" Flanged Y Strainer O-Ring
5	LS100-G	1" EPDM Gasket
6	LS120	20 Mesh Screen
6	LS140	40 Mesh Screen
6	LS150	50 Mesh Screen
6	LS180	80 Mesh Screen
7	LS125G	1" EPDM O-Ring for Screen

Replacement Parts MLST150

ITEM	PART NO	DESCRIPTION
1	MLST150-H	1½" Flanged T Strainer Head
N/S	MLST150-HB	1½" Flanged T Strainer (Includes 1-5)
2	LST150-B	1½" Flanged T Strainer Bowl, Drain Plug & O-Ring
3	LSQ200-PL	1½" Flanged T Strainer Plug
4	LSQ200-R	1½" Flanged T Strainer O-Ring
5	LST150-G	1½" EPDM Gasket
5	LST150-GV	1½" FKM (viton type) Gasket
6	LST1516	16 Mesh Screen
6	LST1530	30 Mesh Screen
6	LST1550	50 Mesh Screen
6	LST1580	80 Mesh Screen
6	LST15100	100 Mesh Screen
7	LS141G	1½" EPDM O-Ring for Screen

Replacement Parts MLS200

ITEM	PART NO	DESCRIPTION
1	MLS200B	2" Y Strainer Body
N/S	MLS200BC	2" Y Strainer Assembly (Includes items 1-5)
2	LS150-C	2" Y Strainer Cap, Drain Plug & O-Ring
3	LSQ200-PL	2" Flanged Y Strainer Plug
4	LSQ200-R	2" Flanged Y Strainer O-Ring
5	LS150-G	2" EPDM Gasket
5	LS150-GV	2" FKM (viton type) Gasket
6	LS206	6 Mesh Screen
6	LS212	12 Mesh Screen
6	LS220	20 Mesh Screen
6	LS230	30 Mesh Screen
6	LS280	80 Mesh Screen
6	LS2100	100 Mesh Screen
6	LS2120	120 Mesh Screen
7	LS141G	2" EPDM O-Ring for Screen

Polypropylene "T" Line Strainers

FEATURES

- Heavy-duty glass reinforced polypropylene.
- Clean-out plug.
- 304 stainless steel reinforced screens.
- EPDM gaskets standard. FKM (viton type) available.
- 150 PS.I. at 70°F.



3/4" And 1"

SCREENS	
MESH SIZE	RIB COLOR
6 MESH	WHITE
12 MESH	BLACK
20 MESH	BEIGE
30 MESH	YELLOW
40 MESH	BROWN
50 MESH	RED
80 MESH	BLUE
100 MESH	GREEN
120 MESH	BLACK



1 1/4" And 1 1/2"

3/4" and 1" Poly "T" Strainers

Part No.	Description
LST075-16	3/4" Poly "T" Strainer-16 Mesh Screen
LST075-30	3/4" Poly "T" Strainer-30 Mesh Screen
LST075-50	3/4" Poly "T" Strainer-50 Mesh Screen
LST075-80	3/4" Poly "T" Strainer-80 Mesh Screen
LST075-100	3/4" Poly "T" Strainer-100 Mesh Screen
LST100-16	1" Poly "T" Strainer-16 Mesh Screen
LST100-30	1" Poly "T" Strainer-30 Mesh Screen
LST100-50	1" Poly "T" Strainer-50 Mesh Screen
LST100-80	1" Poly "T" Strainer-80 Mesh Screen
LST100-100	1" Poly "T" Strainer-100 Mesh Screen

1 1/4" and 1 1/2" Poly "T" Strainers

Part No.	Description
LST125-16	1 1/4" Poly "T" Strainer-16 Mesh Screen
LST125-30	1 1/4" Poly "T" Strainer-30 Mesh Screen
LST125-50	1 1/4" Poly "T" Strainer-50 Mesh Screen
LST125-80	1 1/4" Poly "T" Strainer-80 Mesh Screen
LST125-100	1 1/4" Poly "T" Strainer-100 Mesh Screen
LST150-16	1 1/2" Poly "T" Strainer-16 Mesh Screen
LST150-30	1 1/2" Poly "T" Strainer-30 Mesh Screen
LST150-50	1 1/2" Poly "T" Strainer-50 Mesh Screen
LST150-80	1 1/2" Poly "T" Strainer-80 Mesh Screen
LST150-100	1 1/2" Poly "T" Strainer-100 Mesh Screen

STANDARD MESHERS & DATA (FOR GENERAL USE ONLY)

MESH	MICRONS	WIRE DIAMETER	OPENING	% OPEN AREA
6 Mesh	3360	.035	.132	62.7
8 Mesh	2380	.028	.097	60.2
10 Mesh	2000	.025	.075	56.3
12 Mesh	1680	.023	.060	51.8
16 Mesh	1190	.018	.044	50.7
20 Mesh	841	.016	.034	46.2
30 Mesh	595	.012	.021	40.8
40 Mesh	446	.012	.021	36.0
50 Mesh	297	.009	.011	30.3
80 Mesh	177	.0055	.007	31.4
100 Mesh	149	.0045	.005	30.3
120 Mesh	116	.0037	.0046	30.5

"T" & "Q" Line Strainers

Part No.	Description
LST200-04SS	2" "T" Strainer (316 SS Head-Poly Bowl) - 4 Mesh Screen
LST200-06SS	2" "T" Strainer (316 SS Head-Poly Bowl) - 6 Mesh Screen
LST200-08SS	2" "T" Strainer (316 SS Head-Poly Bowl) - 8 Mesh Screen
LST200-10SS	2" "T" Strainer (316 SS Head-Poly Bowl) - 10 Mesh Screen
LST200-16SS	2" "T" Strainer (316 SS Head-Poly Bowl) - 16 Mesh Screen
LST200-30SS	2" "T" Strainer (316 SS Head-Poly Bowl) - 30 Mesh Screen
LST200-50SS	2" "T" Strainer (316 SS Head-Poly Bowl) - 50 Mesh Screen
LST200-80SS	2" "T" Strainer (316 SS Head-Poly Bowl) - 80 Mesh Screen
LST200-100SS	2" "T" Strainer (316 SS Head-Poly Bowl) - 100 Mesh Screen

Part No.	Repair Parts
LST204SS	4 Mesh Screen (fits 2" "T" Strainer)
LST206SS	6 Mesh Screen (fits 2" "T" Strainer)
LST208SS	8 Mesh Screen (fits 2" "T" Strainer)
LST210SS	10 Mesh Screen (fits 2" "T" Strainer)
LST216SS	16 Mesh Screen (fits 2" "T" Strainer)
LST230SS	30 Mesh Screen (fits 2" "T" Strainer)
LST250SS	50 Mesh Screen (fits 2" "T" Strainer)
LST280SS	80 Mesh Screen (fits 2" "T" Strainer)
LST2100SS	100 Mesh Screen (fits 2" "T" Strainer)
LST200-HBSS	2" "T" Strainer 316 S.S. Head and Poly Bowl
LST200-HSS	2" "T" Strainer 316 S.S. Head
LST200-B	2" "T" Strainer Poly Bowl
LST200-GV	2" "T" Strainer Gasket - Viton®
LSQ-200-PL	Clean-Out Plug
LSQ-200-R	O-Ring for Clean-Out Plug

Part No.	Size	Description
LSQ-150-06	1 1/2" x 1 1/2"	LSQ Line Strainer-6 Mesh Screen
LSQ-150-12	1 1/2" x 1 1/2"	LSQ Line Strainer-12 Mesh Screen
LSQ-150-20	1 1/2" x 1 1/2"	LSQ Line Strainer-20 Mesh Screen
LSQ-150-30	1 1/2" x 1 1/2"	LSQ Line Strainer-30 Mesh Screen
LSQ-150-50	1 1/2" x 1 1/2"	LSQ Line Strainer-50 Mesh Screen
LSQ-150-80	1 1/2" x 1 1/2"	LSQ Line Strainer-80 Mesh Screen
LSQ-200-06	2" x 2"	LSQ Line Strainer-6 Mesh Screen
LSQ-200-12	2" x 2"	LSQ Line Strainer-12 Mesh Screen
LSQ-200-20	2" x 2"	LSQ Line Strainer-20 Mesh Screen
LSQ-200-30	2" x 2"	LSQ Line Strainer-30 Mesh Screen
LSQ-200-50	2" x 2"	LSQ Line Strainer-50 Mesh Screen
LSQ-200-80	2" x 2"	LSQ Line Strainer-80 Mesh Screen

FEATURES

- 316 stainless steel head with glass reinforced polypropylene bowl
- Clean-out plug
- 316 stainless steel reinforced screens
- Viton® gaskets
- 150 PSI at 70°F



Part No.	Repair Parts
LSQ-150-B/C	1 1/2" LSQ Line Strainer Body and Cap
LSQ-200-B/C	2" LSQ Line Strainer Body and Cap
LSQ-200-G	2" Gasket (fits 1 1/2" and 2" strainers)
LSQ-200-PLUG	2" LSQ Line Strainer Plug
300-K	Cam Arm Stainless Steel
LSQ-200-P	Cam Pin Stainless Steel (fits 1 1/2" and 2" strainers)
LS-206	6 Mesh Screen (fits 1 1/2" and 2" strainers)
LS-212	12 Mesh Screen (fits 1 1/2" and 2" strainers)
LS-220	20 Mesh Screen (fits 1 1/2" and 2" strainers)
LS-230	30 Mesh Screen (fits 1 1/2" and 2" strainers)
LS-250	50 Mesh Screen (fits 1 1/2" and 2" strainers)
LS-280	80 Mesh Screen (fits 1 1/2" and 2" strainers)
LSQ-200-CAP	2" Cap (fits 1 1/2" and 2" strainers)
150-RING	Ring

LSQ Polypropylene Line Strainers

FEATURES

- Precision molded in glass reinforced polypropylene
- Cam lever configuration for easy access for cleaning and servicing
- 3/4" plug in cam lever cap for attaching ball valve for draining of back flushing
- 304 stainless steel screens
- EPDM lathe cut gasket
- 75 PSI maximum



Polypropylene Line Strainers

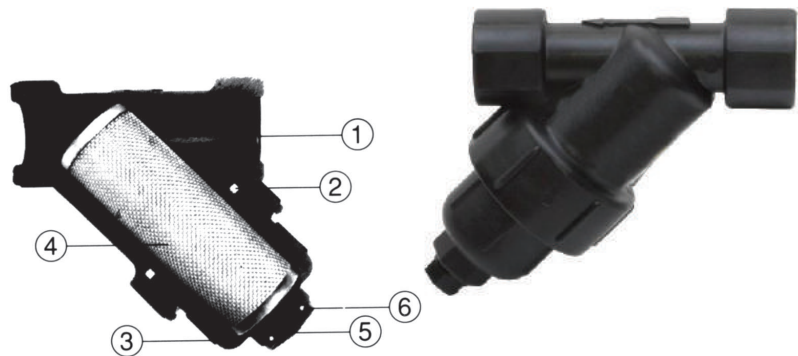
- Precision molded in glass reinforced polypropylene
- Cam lever configuration for easy access for cleaning and servicing
- 3/4" plug in cam lever cap for attaching ball valve for draining or back flushing
- Stainless steel or poly screens available
- EPDM lathe cut gasket
- 75 PSI maximum



Polypropylene "Y" Line Strainers

FEATURES

- Precision molded construction
- Corrosion resistant
- Lightweight
- Fiberglass reinforced
- Easy grip end cap
- 304 stainless steel and polypropylene screens
- EPDM gasket
- Heavy duty end cap threads
- ½" - 1 ¼" 75 PSI
- 1 ½" - 2" 150 PSI
- Clean-out plug on 1 ½" and 2" sizes



Replacement Parts

Item No.	Part No.	Description
1 & 3	LS-050-B/C	"Y" Body and Cap ½"
1 & 3	LS-075-B/C	"Y" Body and Cap ¾"
1 & 3	LS-100-B/C	"Y" Body and Cap 1"
1 & 3	LS-125-B/C	"Y" Body and Cap 1 ¼"
1 & 3	LS-150-B/C	"Y" Body and Cap 1 ½"
1 & 3	LS-200-B/C	"Y" Body and Cap 2"
2	LS-075-G	Gasket (fits ½" and ¾" strainers)
2	LS-100-G	Gasket (fits 1" and 1 ¼" strainers)
2	LS-150-G	Gasket (fits 1 ½" & 2" strainers) New Style Sq. Gasket
2	LS-200-G	Gasket (fits 1 ½" & 2" strainers) Old Style O-Ring
3	LS-075-C	End Cap (fits ½" and ¾" strainers)
3	LS-100-C	End Cap (fits 1" and 1 ¼" strainers)
3	LS-150-C	End Cap (fits 1 ½" and 2" strainers) New Style
3	LS-200-C	End Cap (fits 1 ½" and 2" strainers) Old Style
4	LS-720	20 Mesh Screen (fits ½" and ¾" strainers)
4	LS-740	40 Mesh Screen (fits ½" and ¾" strainers)
4	LS-780	80 Mesh Screen (fits ½" and ¾" strainers)
4	LS-120	20 Mesh Screen (fits 1" and 1 ¼" strainers)
4	LS-140	40 Mesh Screen (fits 1" and 1 ¼" strainers)
4	LS-180	80 Mesh Screen (fits 1" and 1 ¼" strainers)
4	LS-206	6 Mesh Screen (fits 1 ½" and 2" strainers)
4	LS-212	12 Mesh Screen (fits 1 ½" and 2" strainers)
4	LS-212P	12 Mesh Poly Screen (fits 1 ½" & 2" strainers)
4	LS-220	20 Mesh Screen (fits 1 ½" and 2" strainers)
4	LS-220P	20 Mesh Poly Screen (fits 1 ½" & 2" strainers)
4	LS-230	30 Mesh Screen (fits 1 ½" and 2" strainers)
4	LS-250	50 Mesh Screen (fits 1 ½" and 2" strainers)
4	LS-250P	50 Mesh Poly Screen (fits 1 ½" & 2" strainers)
4	LS-280	80 Mesh Screen (fits 1 ½" and 2" strainers)
5	LSQ-200PL	Clean-Out Plug
6	LSQ-200-R	O-Ring for Clean-Out Plug

½" Thru 2"

Part No.	Size	Description
LS-050-20	½" x ½"	Strainer-20 Mesh Screen
LS-050-40	½" x ½"	Strainer-40 Mesh Screen
LS-050-80	½" x ½"	Strainer-80 Mesh Screen
LS-075-20	¾" x ¾"	Strainer-20 Mesh Screen
LS-075-40	¾" x ¾"	Strainer-40 Mesh Screen
LS-075-80	¾" x ¾"	Strainer-80 Mesh Screen
LS-100-20	1" x 1"	Strainer-20 Mesh Screen
LS-100-40	1" x 1"	Strainer-40 Mesh Screen
LS-100-80	1" x 1"	Strainer-80 Mesh Screen
LS-125-20	1 ¼" x 1 ¼"	Strainer-20 Mesh Screen
LS-125-40	1 ¼" x 1 ¼"	Strainer-40 Mesh Screen
LS-125-80	1 ¼" x 1 ¼"	Strainer-80 Mesh Screen
LS-150-06	1 ½" x 1 ½"	Strainer-6 Mesh Screen
LS-150-12	1 ½" x 1 ½"	Strainer-12 Mesh Screen
LS-150-20	1 ½" x 1 ½"	Strainer-20 Mesh Screen
LS-150-30	1 ½" x 1 ½"	Strainer-30 Mesh Screen
LS-150-50	1 ½" x 1 ½"	Strainer-50 Mesh Screen
LS-150-80	1 ½" x 1 ½"	Strainer-80 Mesh Screen
LS-200-06	2" x 2"	Strainer-6 Mesh Screen
LS-200-12	2" x 2"	Strainer-12 Mesh Screen
LS-200-20	2" x 2"	Strainer-20 Mesh Screen
LS-200-30	2" x 2"	Strainer-30 Mesh Screen
LS-200-50	2" x 2"	Strainer-50 Mesh Screen
LS-200-80	2" x 2"	Strainer-80 Mesh screen

Standard Meshes and Data

Mesh	Microns	Wire Diameter	Opening	% Open Area
4 Mesh	4760	.047	.203	65.9
6 Mesh	3360	.035	.132	62.7
8 Mesh	2380	.028	.097	60.2
10 Mesh	2000	.025	.075	56.3
12 Mesh	1680	.023	.060	51.8
16 Mesh	1190	.018	.044	50.7
20 Mesh	841	.016	.034	46.2
30 Mesh	595	.012	.021	40.8
50 Mesh	297	.009	.011	30.3
80 Mesh	177	.0055	.007	31.4
100 Mesh	149	.0045	.005	30.3

3" 'Y' Line Strainers

Features

- Lightweight
- High volume
- Constructed of glass filled polypropylene
- 1/2" drain in bottom of cap
- Reinforced stainless steel screen
- 3" female NPT thread
- 75 P.S.I. maximum

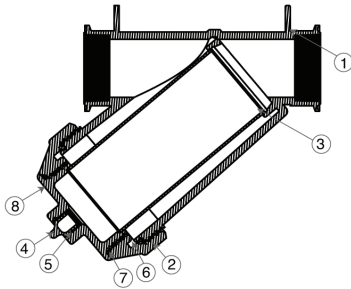


Features

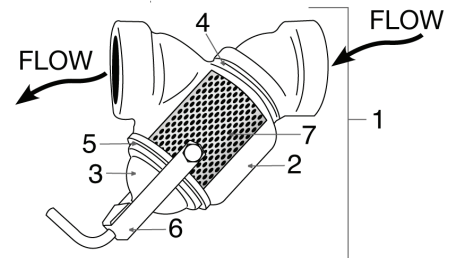
- EPDM gaskets standard FKM (viton type) available
- Corrosion resistant
- 200 P.S.I. maximum
- Clean-out plug
- Stainless steel screen sold separately



3" Y-Strainers	
Part No.	Description
LSM300-04	3" x 3" Y Strainer w/ 4 Mesh Screen
LSM300-08	3" x 3" Y Strainer w/ 8 Mesh Screen
LSM300-12	3" x 3" Y Strainer w/ 12 Mesh Screen
LSM300-20	3" x 3" Y Strainer w/ 20 Mesh Screen
LSM300-50	3" x 3" Y Strainer w/ 50 Mesh Screen



3" SS Y-Strainers	
Part No.	Description
LSS300-BC	3" SS Body, Cap & Gaskets
LSS300-B	3" SS Body
LSS300-C	3" SS Cap
LSS300-S	EPDM Screen Seal
LSS300-SV	FKM (viton type) Screen Seal
LSS300-G	EPDM Cap Gasket
LSS300-GV	FKM (viton type) Cap Gasket
LSS300-H	Handle/Clamp Assembly



Replacement Parts LSM300		
Item	Part No.	Description
1	MLS300B1	3" Poly Body
2	MLS300CAP	3" Cap
3	LS304	4 Mesh Screen
3	LS308	8 Mesh Screen
3	LS312	12 Mesh Screen
3	LS320	20 Mesh Screen
3	LS350	50 Mesh Screen
4	13777	3/4" Clean Out Plug
5	13778	EPDM O-Ring Clean Out Plug
6	MLS300G	EPDM Cap Gasket
6	MLS300GV	FKM (viton type) Cap Gasket
7	MLS300ECG	EPDM End Cap Gasket
7	MLS300ECGV	FKM (viton type) Cap Gasket
8	LS300EC	End Cap Only (Plug Sold Separately)

Replacement Parts LSS300		
Item	Part No.	Description
1	LSS300-BC	3" SS Body, Cap & Gaskets
2	LSS300-B	3" SS Body
3	LSS300-C	3" SS Cap
4	LSS300-S	EPDM Screen Seal
4	LSS300-SV	FKM (viton type) Screen Seal
5	LSS300-G	EPDM Cap Gasket
5	LSS300-GV	FKM (viton type) Cap Gasket
6	LSS300-H	Handle/Clamp Assembly
7	LSS306	6 Mesh SS Screen
7	LSS308	8 Mesh SS Screen
7	LSS312	12 Mesh SS Screen
7	LSS320	20 Mesh SS Screen
7	LSS330	30 Mesh SS Screen
7	LSS350	50 Mesh SS Screen



CHEMICAL INDUCTOR – DRY OR LIQUID

- Handles dry, flow-able products and liquids
- Self-contained, portable system
- Specially designed inductor valve
- Poly cone bottom tank — 15 or 30 gallon
- Heavy duty polypropylene fittings
- Built-in rinse system
- 2" NPT inlet, 2" NPT outlet

Part No.	Description
FEM100	Inductor — 15 Gallon
FEM300	Inductor — 30 Gallon

Manifold Venturi System

Features

- Installed after pump; suction completely empties inductor tank
- Keeps tank free of chemicals
- 2" Full Port Flow
- Easy Assembly / Installation with manifold connections

Draws wettable powders from conductor tank for thorough chemical mixing. Note: Tank not included.



Manifold Venturi System

Part No.	Description
MIS220AA	Manifold Inductor System, Male Adapter x Male Adapter 2" Full Port - Assembled
MIS220AAK	Manifold Inductor System, Male Adapter x Male Adapter 2" Full Port -Kit - Assembled Required
MIS300AA	3" Full Port Male Adapter X Male Adapter Assembled
MIS300BRB	3" Full Barb X Barb w/ MVS220CF - Assembled
MIS220	2" Full Port Manifold Inductor System Flange X Flange Assembled
MIS300	3" Full Port Manifold Inductor System Flange X Flange Assembled

316 Stainless-Steel Cam Lever Couplings

FEATURES

- Tough 316 stainless steel to insure durability
- Chemical resistant to protect against corrosion
- Precision made, investment casting high quality process to assure uniformity and proper fit
- Versatile to interchange with all types of cam lever couplings
- Smooth operating to make connections quickly and easily
- Standard with Buna "N" gaskets. Viton® and EPDM available
- 150 PSI maximum operating pressure

Rectorseal & Teflon Tape
p. 185



Male Adapter - FPT	
Part No.	Size
O75A/SS	¾"
100A/SS	1"
150A/SS	1 ½"
200A/SS	2"
300A/SS	3"
400A/SS	4"

Female Coupler - MPT	
Part No.	Size
O75B/SS	¾"
100B/SS	1"
150B/SS	1 ½"
200B/SS	2"
300B/SS	3"
400B/SS	4"

Female Coupler - Hose Shank	
Part No.	Size
O75C/SS	¾"
100C/SS	1"
150C/SS	1 ½"
200C/SS	2"
300C/SS	3"
400C/SS	4"

Female Coupler - FPT	
Part No.	Size
O75D/SS	¾"
100D/SS	1"
150D/SS	1 ½"
200D/SS	2"
300D/SS	3"
400D/SS	4"



Male Adapter - Hose Shank	
Part No.	Size
O75E/SS	¾"
100E/SS	1"
150E/SS	1 ½"
200E/SS	2"
300E/SS	3"
400E/SS	4"

Male Adapter - MPT	
Part No.	Size
O75F/SS	¾"
100F/SS	1"
150F/SS	1 ½"
200F/SS	2"
300F/SS	3"
400F/SS	4"

PLUG - Female Coupler	
Part No.	Size
O75PL/SS	¾"
100PL/SS	1"
150PL/SS	1 ½"
200PL/SS	2"
300PL/SS	3"
400PL/SS	4"

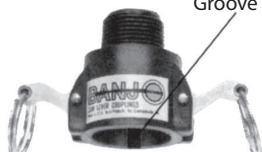
CAP - Male Adapter	
Part No.	Size
O75CAP/SS	¾"
100CAP/SS	1"
150CAP/SS	1 ½"
200CAP/SS	2"
300CAP/SS	3"
400CAP/SS	4"



Polypropylene Switch-A-Roos

- The Switch-A-Roo is a fast, convenient method of changing spray nozzles on fertilizer application equipment
- Precision molded in polypropylene (fiberglass reinforced) for high strength and toughness
- The female coupling is available in either ½" or ¾" pipe thread and normally mounted on the spray boom
- The male adapter is available in four different thread sizes ¼", ⅜", ½", ¾" to fit all size spray nozzles
- Switch-A-Roo's available with self-aligning grooves

Self-Aligning Groove



Part No.	Description
75-B 3/4"	Female Coupler ¾" Male Thread
75-B 1/2"	Female Coupler ½" Male Thread
75-A 3/4"	Male Adapter ¾" Female Thread
75-A 1/2"	Male Adapter ½" Female Thread
75-A 3/8"	Male Adapter ⅜" Female Adapter
75-A 1/4"	Male Adapter ¼" Female Thread
75-A 3/4" SA	Male Adapter ¾" with Self-Aligning Groove
75-A 1/2" SA	Male Adapter ½" with Self-Aligning Groove
75-A 3/8" SA	Male Adapter ⅜" with Self-Aligning Groove
75-A 1/4" SA	Male Adapter ¼" with Self-Aligning Groove

Polypropylene Cam Lever & 90-Degree Couplings



B Series

Part No.	Description
SAF050B	¾" Female Coupler x ½" Male NPT
SAF075B	¾" Female Coupler x ¾" Male NPT
SAF100B	1" Female Coupler x 1" Male NPT
SAF125B	1" Female Coupler x 1 ¼" Male NPT
SAF150B	1 ½" Female Coupler x 1 ½" Male NPT
SAF200B	2" Female Coupler x 2" Male NPT
SAF300B	3" Female Coupler x 3" Male NPT



D Series

Part No.	Description
SAF050D	¾" Female Coupler x ½" Female NPT
SAF075D	¾" Female Coupler x ¾" Female NPT
SAF100D	1" Female Coupler x 1" Female NPT
SAF125D	1" Female Coupler x 1 ¼" Female NPT
SAF150D	1 ½" Female Coupler x 1 ½" Female NPT
SAF200D	2" Female Coupler x 2" Female NPT
SAF300D	3" Female Coupler x 3" Female NPT



C Series

Part No.	Description
SAF050C	¾" Female Coupler x ½" Hose Barb
SAF075C	¾" Female Coupler x ¾" Hose Barb
SAF100C	1" Female Coupler x 1" Hose Barb
SAF125C	1" Female Coupler x 1 ¼" Hose Barb
SAF150C	1 ½" Female Coupler x 1 ½" Hose Barb
SAF200C	2" Female Coupler x 2" Hose Barb
SAF300C	3" Female Coupler x 3" Hose Barb



CAP Series

Part No.	Description
SAF050CAP	½" CAP for Male Adapter
SAF075CAP	¾" CAP for Male Adapter
SAF100CAP	1" CAP for Male Adapter
SAF125CAP	1" CAP for Male Adapter
SAF150CAP	1 ½" CAP for Male Adapter
SAF200CAP	2" CAP for Male Adapter
SAF300CAP	3" CAP for Male Adapter



Male Adapter - FPT (A)	
Part No.	Size
100A	1"
125A	1 ¼"
150A	1 ½"
200A	2"
300A	3"
400A	4"

Female Coupler - MPT (B)	
Part No.	Size
100B	1"
125B	1 ¼"
150B	1 ½"
200B	2"
201B	2"
300B	3"
303B	3"
400B	4"

Female Coupler - BARB (C)	
Part No.	Size
075C	¾"
100C	1"
125C	1 ¼"
150C	1 ½"
200C	2"
200150C	2" X 1 ½"
300C	3"
400C	4"

Female Coupler - FPT (D)	
Part No.	Size
075D	¾"
100D	1"
125D	1 ¼"
150D	1 ½"
200D	2"
300D	3"
400D	4"

PLUG	
Part No.	Size
100125PL	1 ¼"
150PL	1 ½"
200PL	2"
300PL	3"
400PL	4"

Male Adapter - BARB (E)	
Part No.	Size
075E	¾"
100E	1"
125E	1 ¼"
150E	1 ½"
200E	2"
300E	3"
400E	4"

Male Adapter - MPT (F)	
Part No.	Size
075F	¾"
100F	1"
125F	1 ¼"
150F	1 ½"
200F	2"
300F	3"
400F	4"

CAP	
Part No.	Size
075CAP	¾"
100125CAP	1" - 1 ¼"
150CAP	1 ½"
200CAP	2"
300CAP	3"
400CAP	4"

Three-Arm 3" Coupler	
Part No.	Size
303C	Three-arm 3" coupler

Male Adapter - FPT (Style 90A)	
Part No.	Size
150A90	1 ½"
200A90	2"

Female Coupler - FPT (Style 90D)	
Part No.	Size
150D90	1 ½"
200D90	2"

Female Coupler - Barb (Style 90D)	
Part No.	Size
150C90	1 ½"
200C90	2"

Male Adapter - MPT (Style 90F)	
Part No.	Size
150F90	1 ½"
200F90	2"

Polypropylene Cam Lever & 90-Degree Couplings



Camlock Couplings 2" x 3" Series	
Part No.	Description
300200F	2" Male Adapter x 3" Male NPT
300200A	2" Male Adapter x 3" Female NPT
300B200A	3" Female Coupler x 2" Male Adapter
300200D	3" Female Coupler x 2" Female NPT
SAF300B200A	3" Female Coupler x 2" Male Adapter
SAF300200D	3" Female Coupler x 2" Female NPT

Shims	
Part No.	Description
SHIM075	3/4" Gasket Shim
SHIM100	1" Gasket Shim
SHIM150	1 1/2" Gasket Shim
SHIM200	2" Gasket Shim
SHIM300	3" Gasket Shim
SHIM400	4" Gasket Shim



Plug with Handle	
Part No.	Description
200PLH	2" Plug with Handle
300PLH	3" Plug with Handle



Sweep 90°	
Part No.	Description
200FSW90	2" Male Adapter x 2" Male NPT; 90°
300FSW90	3" Male Adapter x 3" Male NPT; 90°

AL 90° Series	
Part No.	Description
150A90	1 1/2" Male Adapter x 1 1/2" Female NPT
200A90	2" Male Adapter x 2" Female NPT



CL 90° Series	
Part No.	Description
150C90	1 1/2" Female Coupler x 1 1/2" Hose Shank
200C90	2" Female Coupler x 2" Hose Shank



DL 90° Series	
Part No.	Description
150D90	1 1/2" Female Coupler x 1 1/2" Female NPT
200D90	2" Female Coupler x 2" Female NPT



FL 90° Series	
Part No.	Description
150F90	1 1/2" Male Adapter x 1 1/2" Male NPT
200F90	2" Male Adapter x 2" Male NPT



Adapters & Valves



FEATURES

- Adapts 3" male adapter down to 2" male adapter
- Stainless steel rings, arms & pins
- Glass filled polypropylene for strength & durability
- Maximum pressure 75 PSI
- Standard with EPDM gasket. Buna "N" and FKM (viton type) available.



3" w/ 3 Arms Poly Cam Lever Couplings

Part No.	Description	Max PSI	Gasket	Qty.
303B200A	3" Female Coupler w/ 3 Arms x 2" Male Adapter	75	EPDM	1

3" Manifold Stubby Valves

Part No.	Description	Max PSI	Pipe Size	Opening Thru Ball	Qty.
MVS300CF	3" Flange x 3" Male Adapter	100	3"	2 1/2"	1/box

2" Full Port Manifold Stubby Valves

Part No.	Description	Max PSI	Pipe Size	Opening Thru Ball	Qty.
MVSMT220FP	2" FP Flange x 2" Male NPT	100	2"	2"	1/box



3" Pool Adapters

Part No.	Description	Max PSI	Gasket	Qty.
300F200F	3" Male Adapter x 2" Male Adapter	125	N/A	1
300FF	3" Male Adapter x 3" Male Adapter	125	N/A	1

IBC Valves

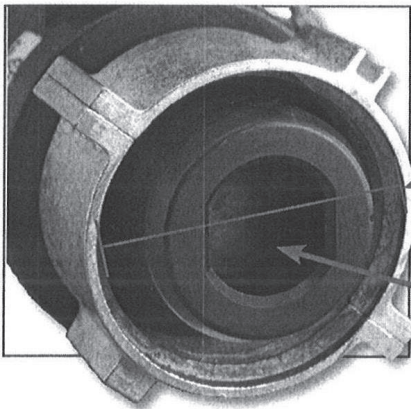
One-Way Check Valves for EPA Pesticide Containers

FEATURES

- Reliable poly ball valve
- PTFE valve seats
- Maximum operating pressure 20 P.S.I. at 70° F

MAUSER®

WFC230254 2" QD outlet, FKM (viton type) collar gasket, foil seal, red tamper evident handle seal & cap



NOTE: I.D. of collar threads are 2 3/16" or 56mm.

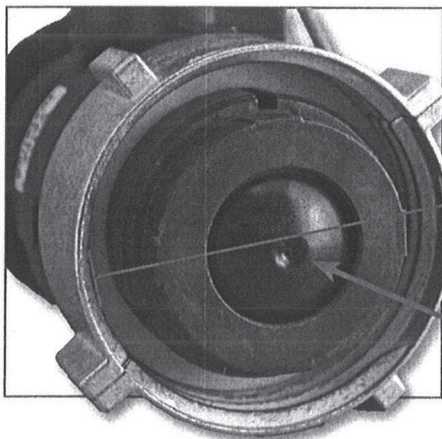
Internal Check Valve



WFC23054

SCHUTZ® & CLAWSON®/IBC N.A.®

WSFBC210 2" QD outlet, Santoprene collar gasket, red tamper evident handle seal & cap



NOTE: I.D. of collar threads are 2 3/4" or 70mm.

Internal Check Valve



WSFBC210

Check Valves & Siphon Tubes

Polypropylene Check Valve

FEATURES

- One piece construction
- 150 P.S.I. maximum
- 1-2 P.S.I. spring
- Glass reinforced polypropylene
- 316 stainless steel spring
- EPDM gasket



Siphon Tubes

FEATURES

- Full flow size
- Long length
- Male NPT threads
- Made of polypropylene



Bolted Ball Valves				
Part No.	Description	Max PSI	Pipe Size	QTY
CV100MT	1" Male X Female NPT	150	1"	1

Siphon Tubes		
Part No.	Description	QTY
ST200	2" Poly Siphon Tube	1
ST300	3" Poly Siphon Tube	1

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www.davisequip.com/parts-request/
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Coming in late 2024, we'll offer the ability to search and pay for your parts all on our site- like any other e-commerce site.

Notes:

IBC Valves



W230237



W230238



W230239



W230240



WSF210FSA



WSF210FSAV



Identifying collar number found here

WSMT210FSA



WSMT210FSAV

SPINWELD BALL VALVE

PART NO	DESCRIPTION	GASKET MATERIAL	COLLAR FITS	COLLAR NUMBER	COLLAR ID	MAX PSI	QTY
W230237	2" POLY SPINWELD VALVE W/NPT OUTLET & CAP & FOIL SEAL	FKM	MAUSER®	V22283 C & D	2 1/4"	20	24/BOX
W230238	2" POLY SPINWELD VALVE W/QDC OUTLET & CAP & FOIL SEAL	FKM	MAUSER®	V22283 C & D	2 1/4"	20	24/BOX
W230239	2" POLY SPINWELD VALVE W/NPT OUTLET & CAP & FOIL SEAL	EPDM	MAUSER®	V22283 C & D	2 1/4"	20	24/BOX
W230240	2" POLY SPINWELD VALVE W/QDC OUTLET & CAP & FOIL SEAL	EPDM	MAUSER®	V22283 C & D	2 1/4"	20	24/BOX
WSF210FSA	2" POLY SPINWELD VALVE W/QDC OUTLET, FOIL SEAL & CAP	SANTOPRENE	SCHUTZ®	V20280 A & B	2 3/4"	50	24/BOX
WSF210FSAV	2" POLY SPINWELD VALVE W/QDC OUTLET, FOIL SEAL & CAP	FKM	SCHUTZ®	V20280 A & B	2 3/4"	50	24/BOX
WSMT210FSA	2" POLY SPINWELD VALVE W/NPT OUTLET, FOIL SEAL & CAP	SANTOPRENE	SCHUTZ®	V20280 A & B	2 3/4"	225	24/BOX
WSMT210FSAV	2" POLY SPINWELD VALVE W/NPT OUTLET, FOIL SEAL & CAP	FKM	SCHUTZ®	V20280 A & B	2 3/4"	225	24/BOX

IBC Lids & Plugs



Poly IBC/Spray Tank Lids



6" IBC Solid Tank Lids

Part No.	Description	Gasket	QTY
TL650S	6" Solid Tank Lid w/ Gasket	Santoprene	1
TL650E	6" Solid Tank Lid w/ Gasket	EPDM	1

6" IBC Tank Lids w/unvented 2" Plug

Part No.	Description	Gasket	QTY
TL651S	6" Tank Lid w/ Unvented 2" Plug w/Gasket	Santoprene	1
TL651E	6" Tank Lid w/Unvented 2" Plug w/Gasket	EPDM	1



6" IBC Tank Lids w/ Vented 2" Plug

Part No.	Description	Gasket	QTY
TL652S	6" Tank Lid w/ Vented 2" Plug w/ Gasket	Santoprene	1
TL652E	6" Tank Lid w/ Vented 2" Plug w/ Gasket	EPDM	1

5 1/2" IBC Tank Lids

Part No.	Description	QTY
TL600	5 1/2" Non-Vented Lid	1
TL600C	5 1/2" Vented Lid	1



Vented Tank Lids

Part No.	Description	Gasket	QTY
TLVA10	10" Vented Tank Lid & Ring Assembly (New Style)	N/A	1
TLA10	10" Vented Tank Lid & Ring Assembly (Old Style)	N/A	1
TLV10R	10" Vented Tank Lid Assembly w/o Ring	N/A	1
TLV2	Center Vent	N/A	1

2" Vented & Non-Vented Bung Plugs

Part No.	Description	QTY
231MPT	2" MPT Solid Bung w/ EPDM Gasket	1
231MPTBN	2" MPT Solid Bung w/ Buna Nitrile Gasket	1
TL6531	2" Vented Plug w/ EPDM Gasket	1

IBC Components



2" Buttress X 2" Male NPT

Part No.	Description	Gasket	QTY
TA283	2" Buttress X 2" Male NPT Threads w/Gasket	Santoprene	1

2" Buttress X 2" Male Adapter

Part No.	Description	Gasket	QTY
TA283QD	2" Buttress X 2" Male Adapter QDC w/Gasket	Santoprene	1



200FPT



201FPT



211FPT



60FDIN

2" Female NPT Cap

Part No.	Description	QTY
200FPT	2" Female NPT Cap	1
201FPT	2" Female NPT Cap	1
211FPT	2" Female NPT Cap	1
60FDIN	60 MM DIN Cap (Buttress Thread)	1



Lanyard

Part No.	Description	QTY
V20207	11" Polyurethane Lanyard	1



200CAPSH



200CAP



201CAPSH



202CAP

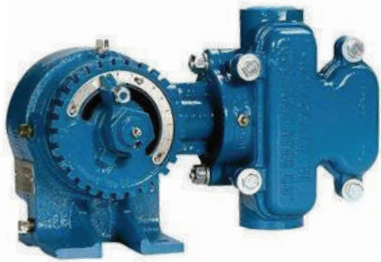
2" Cam Lever Dust Cap

Part No.	Description	QTY
200CAPSH	2" Cam Lever Dust Cap w/short arms	1
200CAP	2" Cam Lever Dust Cap	1

2" Cam Lever Dust Cap

Part No.	Description	QTY
201CAPSH	2" Cam Lever Dust Cap w/short arms & rings	1
202CAP	2" Cam Lever Dust Cap	1

John Blue Metering Pumps



NGP-7050 SERIES

Single Piston - Double Acting	Rated Speed - 450 RPM
Stroke - Variable	Inlet - 1 1/2" FPT
Rated Flow - 34.2 GPM	Outlet - 1 1/2" FPT
Rated Pressure - 120 PSI	Clutch - Various Options

MODELS AVAILABLE:

NGP-7050	Rope Control Clutch
NGP-7055	Without Clutch
NGP-7058	Electric Control Clutch
NGP-7059	Hydraulic Control Clutch

Additional model options, including flanges, on page 18



Scan to view parts breakdown



NGP-8050 SERIES

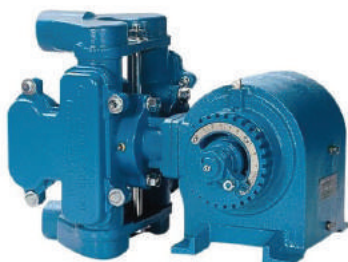
Double Piston - Double Acting	Rated Speed - 450 RPM
Stroke - Variable	Inlet - 1 1/2" FPT
Rated Flow - 42 GPM	Outlet - 1 1/2" FPT
Rated Pressure - 120 PSI	Clutch - Various Options

MODELS AVAILABLE:

NGP-8050	Rope Control Clutch
NGP-8055	Without Clutch
NGP-8058	Electric Control Clutch
NGP-8059	Hydraulic Control Clutch
NGP-8055-DR	Pump with independent dual inlet & outlet manifolds



Scan to view parts breakdown



NGP-9055-HY (HYDRAULIC DRIVE PISTON PUMP)

Double Piston - Double Acting	Rated Speed - 550 RPM
Stroke - Fixed	Inlet/Outlet-1 1/2"
Rated Flow - 68.4 GPM	Rated Pressure - 120 PSI
Accepts SAE A 2-bolt hydraulic motor with 1" shaft	

Use with a John Blue Hydraulic Motor/PWM Manifold Kit.



HYDRAULIC MOTOR/PWM MANIFOLD KITS:

- 116205-91:** Flow-thru style manifold (shown)
- 116205-91D:** Dead-head style manifold



Scan to view parts breakdown

John Blue Metering Pumps

High Speed Metering Pumps		
Part No.	Clutch	Specs
NGP-6050	Manual Throwout	120 PSI - 450 RPM, 21 GPM
NGP-6055	Without Clutch	120 PSI - 450 RPM, 21 GPM
NGP-6058	Electric Clutch	120 PSI - 450 RPM, 21 GPM
NGP-6059	Hydraulic Clutch	120 PSI - 450 RPM, 21 GPM
NGP-7050	Manual Throwout	120 PSI - 450 RPM, 34.2 GPM
NGP-7055	Without Clutch	120 PSI - 450 RPM, 34.2 GPM
NGP-7058	Electric Clutch	120 PSI - 450 RPM, 34.2 GPM
NGP-7059	Hydraulic Clutch	120 PSI - 450 RPM, 34.2 GPM
NGP-8050	Manual Throwout	120 PSI - 450 RPM, 42 GPM
NGP-8055	Without Clutch	120 PSI - 450 RPM, 42 GPM
NGP-8059	Hydraulic Clutch	120 PSI - 450 RPM, 42 GPM
NGP-8058	Electric Clutch	120 PSI - 450 RPM, 42 GPM
NGP-9050	Manual Throwout	120 PSI - 450 RPM, 68.4 GPM
NGP-9055	Without Clutch	120 PSI - 450 RPM, 68.4 GPM
NGP-9058	Hydraulic Clutch	120 PSI - 450 RPM, 68.4 GPM
NGP-9059	Hydraulic Clutch	120 PSI - 450 RPM, 68.4 GPM

Stainless Steel Series High Speed Pumps	
Part No.	Description
NGP-6050-S	Liquid Metering Pump - SS (Manual Clutch)
NGP-6055-S	Liquid Metering Pump - SS (W/O Clutch)
NGP-6058-S	Liquid Metering Pump - SS (Electric Clutch)
NGP-6059-S	Liquid Metering Pump - SS (Hydraulic Clutch)
NGP-6055-US	Fumigant Metering Pump - SS (W/O Clutch)
NGP-7050-S	Liquid Metering Pump - SS (Manual Clutch)

Standard Fertilizer Pumps (350 RPM - Rates based on 8.5 pounds per gallon)	
Part No.	Accessory
115671	Hydraulic Throwout Conversion Kit
115672	Electric Conversion

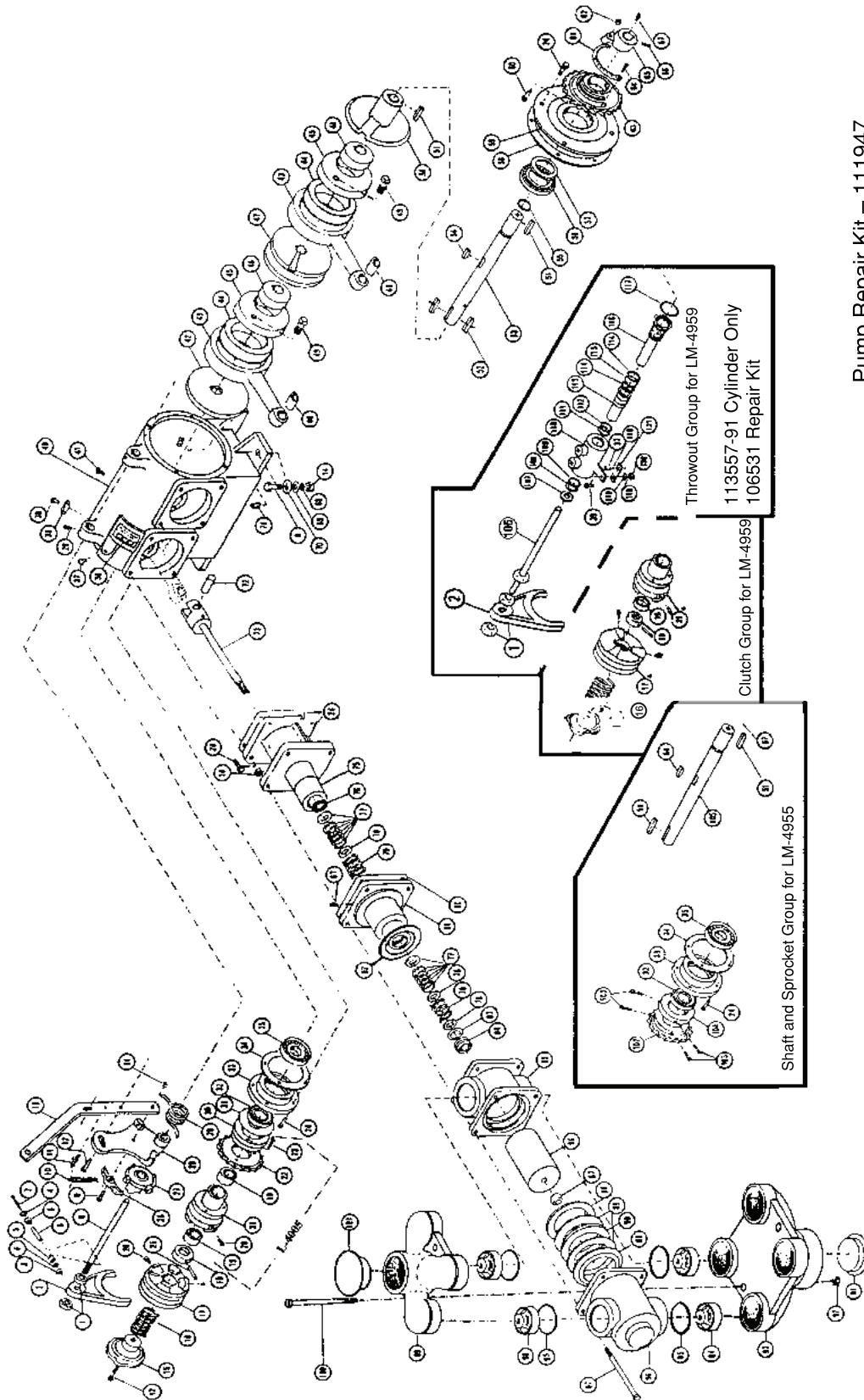
Loaded Radius of Various Tires (For use in setting John Blue Ground-Driven Pumps)					
Tire Size	Loaded Radius	Tire Size	Loaded Radius	Tire Size	Loaded Radius
6.70-15SL	12.9	9.00-20	19.0	9.00-16SL	14.7
7.60-15SL	13.4	10.0-20	19.6	11L-16SL	13.9
9.5L-15SL	13.6	11.0-20	20.1	12.5L-16SL	15.0
10.0-15SL	15.1	12.0-20	20.6	13.5L-16.1SL	17.5
11L-15SL	13.5		20.0	16.5L-16.1SL	17.3
12.5L-15SL	14.5	48.0 x 31.0-20	22.4	4.8-8	7.5
				18-9.5	7.8
				16 x 6.5-8	7.4

LM-4950 Series Pump Parts List

REF. NO.	PART NO.	ITEM DESCRIPTION	4950 QTY.	4955 QTY.	4959 QTY.
1	92037	5/8" JAM NUT	2	0	2
2	113628-01	THROW-OUT YOKE	1	0	1
3	92014	#10 SQUARE NUT	1	0	0
4	A-697	WASHER	2	0	0
5	A-2762	CAM ROLLER	2	0	0
6	A-2763	ROLL PIN	1	0	0
7	90953	2-1/2 RD HD SCREW	1	0	0
8	L-3006	THROW-OUT ROD	1	0	0
9	90655	3/8 X 1-1/2 HEX BOLT	5	4	4
10	F-48	TROW-OUT LEVER SPRING	1	0	0
11	94010	5/32 x 1 COTTER PIN	1	0	0
12	90653	3/8 X 1-1/4 HEX BOLT	2	0	1
13	L-3064	THROW-OUT LEVER	1	0	0
14	92024	3/8 HEX NUT	14	12	12
***14	T-2010	3/8 NUT-SS	14	12	12
15	A-50	HANDWHEEL	1	0	1
16	HA-57	SAFETY CLUTCH SPRING	1	0	0
16A	108907-01	SAFETY CLUTCH SPRING	0	0	1
17	A-260	CLUTCH	1	0	0
17A	108905-91	CLUTCH HYDRAULIC	0	0	1
18	105373-01	CLUTCH COLLAR	2	0	2
19	A-116	OLITE BUSHING	6	2	5
20	H-28	GREASE FITTING	1	0	0
21	L-4008-A	SPROCKET CARRIER	0	0	1
21A	108906-01	SPROCKET CARRIER	1	0	1
22	L4007	18T SPROCKET	3	0	3
23	90993	1/4 X 1-1/2 SOCKET HD BOLT	16	16	16
24	90637	5/16 X 1 HEX BOLT	1	0	1
25	L-4249	DRIVE PIN	1	0	0
26	A-2758-A	PAWL	1	0	0
27	A-2757-A	THROW-OUT CAM	1	0	0
28	L-3007	THROW-OUT BRACKET	1	0	0
29	114165-01	RIGHT-HAND TORSION SPRING	1	0	1
30	14009	RETAINING COLLAR	1	1	1
31	11015501	WASHER, NYLON	1	1	1
32	L-1018	OIL SEAL	1	1	1
33	L-3023	BEARING HOUSING	1	1	1
34	L-3021	BEARING HOUSING GASKET	1	1	1
35	L-3019	CRANKSHAFT BEARING	1	1	1
36	111958-01	NAME PLATE	1	2	2
37	90634	5/16 x 1/2 BOLT	1	0	0
38	L-4014	SPRING ANCHOR	1	0	2
39	90636	5/16 X 3/4 BOLT	1	1	1
40	11363401	CRANKCASE	1	1	1
41	S-350	VENT PLUG	1	1	1
42	L-3020	CRANKSHAFT DISC	2	2	2
43	113645-91	CONNECTION ROD	2	2	2
44	113629-01	BEARING CRANK PIN	2	2	2
45	113633-01	LARGE ECCENTRIC	2	2	2
46	L-3017	SMALL ECCENTRIC	1	1	1
47	L-3018	STROKE TRANSFER SLEEVE	2	2	2
48	113588-01	CONNECTING ROD BUSHING	3	3	3
49	L-3004	ECCENTRIC PIN	1	1	1
50	L-3056	STROKE LOCATING SLEEVE	2	2	2
51	L-1020	SETTING ARM KEY	2	0	2
52	A-261	CLUTCH KEY	1	0	1
53	L-3013	CRANKSHAFT	1	0	1
54	A-4333	KEY, WOODRUFF	1	1	1
55	1-1022	CRANKSHAFT O-RING	1	1	1
56	L-1007-A	BEARING, LOCATING SLEEVE	1	1	1
57	L-1021	OIL SEAL	1	1	1
58	L-3002	COVER PLATE GASKET	1	1	1
59	L-3001	COVER PLATE	1	1	1
60	91017	3/8 SQUARE HEAD BOLT	1	1	1
61	114763-01	PUMP SETTING SCALE	1	1	1
62	A-3097	3/8 SELF-LOCKING NUT	0	1	0
***	115159-91	ELECTRIC CLUTCH KIT	1	1	1

REF. NO.	PART NO.	ITEM DESCRIPTION	4950 QTY.	4955 QTY.	4959 QTY.
63	105932-91	STROKE SETTING FLANGE	1	1	1
64	A-368	SETTING SCALE SCREW	3	3	3
65	115630-91	STROKE SETTING ARM	1	1	1
66	90532	5/16 x 3/8 SET SCREW	3	3	3
67	H-30	GREASE FITTING	3	3	3
68	93024	3/8 LOCK WASHER	4	4	4
69	93011	3/8 FLAT WASHER	4	4	4
70	A-147	LEG MOUNTING PAD	4	4	4
71	C-431-B	PLUG	3	3	3
72	105895-01	CROSSHEAD PIN	2	2	2
73	105900-91	PISTON ROD ASSEMBLY	2	2	2
74	L-3052	CROSSHEAD, GUIDE GASKET	2	2	2
75	111935-01	CROSSHEAD GUIDE	2	2	2
76	111943-01	O-RING	2	2	2
77	1-1109	ROD VEE PACKING SET	4	4	4
78	L-1041	WASHER	6	6	6
79	1-1063	PACKING SPRING	4	4	4
80	L-3074	STUFFING BOX GASKET	2	2	2
81	111937-01	OUTBOARD STUFFING BOX	2	2	2
***81	111937-01S	OUTBOARD STUFFING BOX, SS	2	2	2
82	115134-01	GASKET	2	2	2
83	L-1042	RETAINING RING	2	2	2
84	L-1031-2	STUFFING BOX INSERT	2	2	2
85	111938-01	INBOARD CYLINDER	2	2	2
***85	111938-01S	INBOARD CYLINDER, SS	2	2	2
86	112816-91	PISTON PLUNGER ASSEMBLY	2	2	2
87	L-1047	SELF-LOCKING NUT	2	2	2
88	L-1045-V	FLANGE PLUNGER PACKING	4	4	4
89	L-1098	PACKING ADJUSTMT. GASKET	4	4	4
90	L-1044-A	FLANGE PACKING WASHER	2	2	2
91	C-3519	2" THREAD PROTECTOR	1	1	1
92	92029	1/2 HEX NUT	2	2	2
93	111939-01	SUCTION MANIFOLD	1	1	1
***93	111939-01S	SUCTION MANIFOLD, SS	1	1	1
94	109112-92	SUCTION VALVE	4	4	4
95	A-2848	VALVE O-RING	8	8	8
96	111940-01	OUTBOARD CYLINDER	2	2	2
***96	111940-01S	OUTBOARD CYLINDER, SS	2	2	2
97	91051	3/8 X 8 HEX HEAD BOLT	8	8	8
***97	91072	3/8-16 X 5-1/2 BOLT, SS	8	8	8
98	109113-92	DISCHARGE VALVE	4	4	4
99	111936-01	DISCHARGE MANIFOLD	1	1	1
***99	111936-01S	DISCHARGE MANIFOLD, SS	1	1	1
100	90711	1/2-13 X 9-1/2 Bolt	2	2	2
**100	90710	1/2-13 X 8-1/2 Bolt	2	2	2
101	L-3115	1 1/2 THREAD PROTECTOR	1	1	11
102	106532-01	18T SPROCKET	0	1	0
103	90986	3/8 x 5/8 SET SCREW	0	4	0
104	110147-01	SPACER	0	1	0
105	115031-01	CRANKSHAFT	0	1	0
	115122-01	SPACER-ELEC. CLUTCH SHOULDER	0	1	0
	115125-01	1/4" X 1-1/2" DOWEL PIN	0	1	0
106	114708-91	THROW-OUT ROD ASSEMBLY	0	0	1
107	93016	FLATWASHER	0	0	1
108	105448-01	BACK-UP RING	0	0	1
109	A-3776	O-RING	0	0	1
110	105447-01	BODY	0	0	1
111	105452-01	BACK-UP RING	0	0	1
112	105461-01	O-RING	0	0	1
113	105449-01	PISTON	0	0	1
114	105465-01	BACK-UP RING	0	0	2
115	A-2849	O-RING	0	0	1
116	105463-01	CYLINDER	0	0	1
117	105500-01	BODY O-RING	0	0	1
118	93010	5/16 FLAT WASHER	0	0	4
119	93023	5/16 LOCK WASHER	0	0	2
120	92020	5/16 HEX NUT	0	0	2
121	105501-011	STRAP	0	0	2

LM-4950 Series Parts Breakdown



Pump Repair Kit – 111947
 Pump Setting Wrench – L-3092-AS
 Pump Setting Chart – 105913-91

CNH Liquid Placement Accessories

For The Ultimate in Quality Liquid Fertilizer Applicator Accessories!

Equip your tool bar or outfit a new CNH tool bar with Spring-Cushioned Coulter Knife/Injector Assemblies for:

- Minimum Soil Disturbance.
- High Application Speeds.
- Less Horsepower Requirements

These assemblies consist of a 20" rippled coulter blade with one specialized $\frac{3}{4}$ " x 3" arm to mount on either a CNH thin knife or an injector. Because the same coulter assembly is used for the knife and the injector, it provides easy switching from one to the other for more versatility!

A special set-screw adjustment feature prevents knife from moving back and allowing residue to plug between knife & coulter.

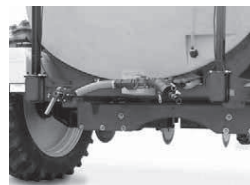


CNH Knife

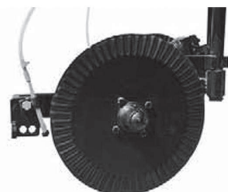
- Guarantees placement of all fertilizer at bottom of knife depth
- Is perfect for deep placement of P & K solutions or liquid fertilizer
- Causes minimum soil disturbance because thin $\frac{1}{4}$ " knife is directly behind coulter
- Uses recommended minimum PSI of 10



The front hose stand keeps hoses and wires away from the tractor hitch.



The plumbing and wheel adjustments are conveniently located for easy access.



INJECTOR

- Injects stream of liquid fertilizer into coulter slit
- Causes least amount of soil disturbance
- Uses recommended 80 to 100 PSI for precise application
- Requires low maintenance because coulter blade is only part of assembly in contact with soil

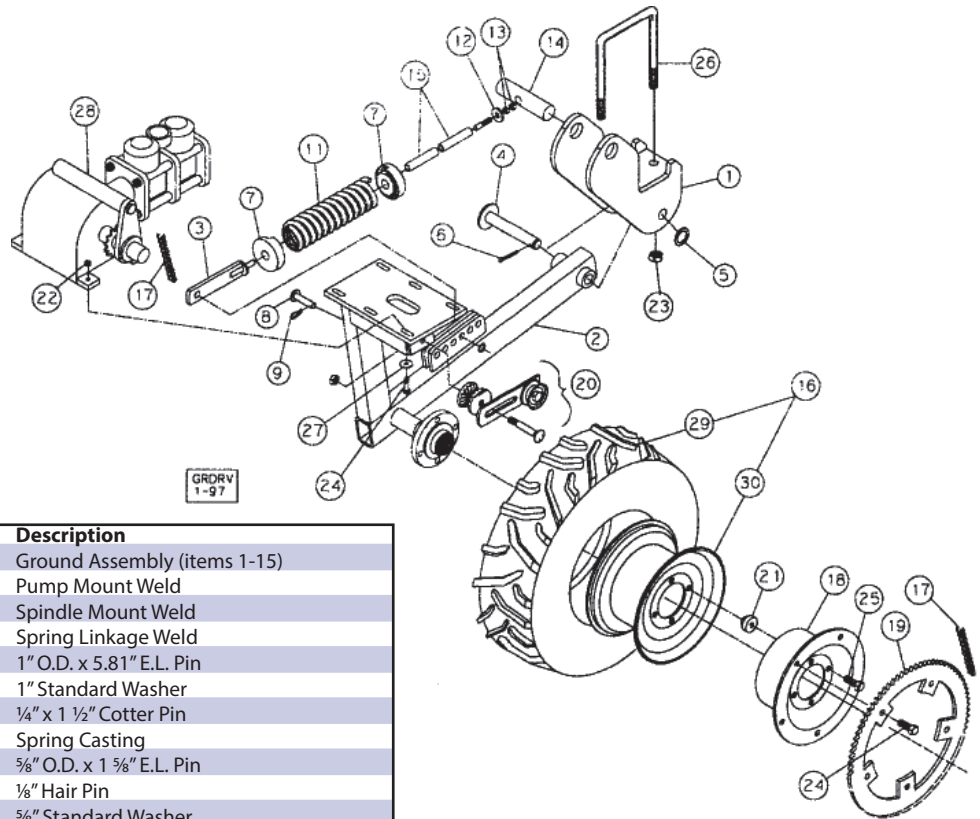
CNH Ground Drive

With John Blue Piston Pump Model LM 4455 provides the operating pressure for these CNH assemblies. The ground drive is spring-cushioned to protect it from obstructions and uneven terrain.

When the tool bar is lowered, the pump will operate. When raised, the pump shuts off. A check valve is used at the end of each hose to keep the hoses from draining out whenever the pump shuts off.

Assemblies and ground drive mount on 4" x 4" or 4" x 6" tubing.

CNH Ground Drive Assembly



Ref. No.	Part No.	Qty.	Description
	05302600	1	Ground Assembly (items 1-15)
1	05302650	1	Pump Mount Weld
2	05302630	1	Spindle Mount Weld
3	05302660	1	Spring Linkage Weld
4	14816466	1	1" O.D. x 5.81" E.L. Pin
5	87344	1	1" Standard Washer
6	80753	1	¼" x 1 ½" Cotter Pin
7	20090120	2	Spring Casting
8	14810090	1	⅝" O.D. x 1 ⅝" E.L. Pin
9	14720411	1	⅛" Hair Pin
10	80299	1	⅝" Standard Washer
11	24143900	1	Compression Spring
12	17409010	1	Special Washer
13	425-168	2	½" Heavy Hex Nut
14	05302670	1	Trunnion
15	06210370	2	Bushing
16	10005147	1	7.0 x 14 Tire and Wheel Assembly (4-ply)
17	21205020	1	#50 SS Roller Chain
18	34120010	1	Hub Sprocket Adapter
19	34120011	1	60T Roller Chain Sprocket
20	34120012	1	Single Spool Idler w/Bracket
	JBA-400	1	Idler Arm
	JBA-401	1	Idler Spool
21	34120013	4	Spacer
22	280136	4	⅜" NC Hex Nut, Gd. 5
23	412-1012	2	¾" NC Hex Nut
24	88011	5	⅜" X 1 ¼" NC Hex Bolt, Gd. 5
25	414-832	4	½" x 2" NF Wheel Bolt
26	87427185	1	¾" x 4" x 5 ½" U-Bolt
27	80702	4	⅜" Standard Washer
28	34120001	1	Pump - John Blue LM4455
	34120004	1	Crankcase for LM4455 Pump
	34120003	1	Repair Kit for LM4455 Pump
	34120002	1	Double Pump - LM4955
	34120014	1	Crankcase for LM4955
	34120015	1	Repair Kit for LM4955 Pump
29	11007144	1	7.00 x 14 Traction Tire (4-ply)
30	10105146	1	14" x 5KB SAE #401 Wheel
	WR10567	1	#50SS Chain

Ground drive less pump for 2800-11
850 & 1,000 Gallon

DMIP1028060

WR10568 (for 73" chain)

WR10575 = Connector

WR10574 = ½ Connector Link

CNH Ground Drive Assembly

Part No.	Description
DMIP0530062	Ground drive pump mount assembly "4"

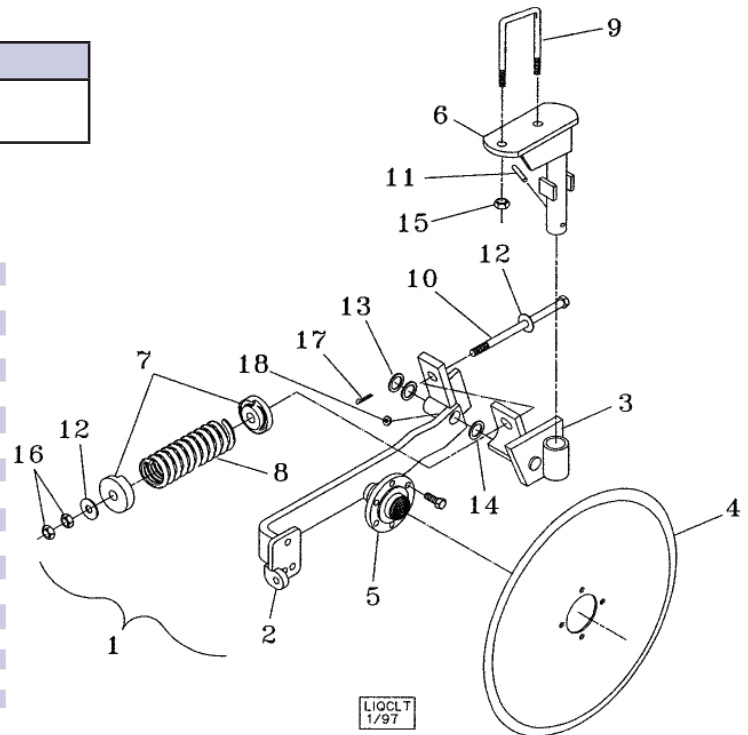
CNH Liquid 20" Coulters | Liquid Stream Injector

Liquid Knife Kit

Line up the 1/4" knife directly behind the coulters and adjust the knife tip as close to the coulters as possible to keep residue from getting trapped. The knife ensures that all the liquid is at the bottom of the knife slot. A minimum of 10 PSI is required for even distribution of the fertilizer.

Part No.	Description
P5280010	Knife hardware kit COMPLETE (includes 1, 2, 4-9, 11-13) (Order orifice plate using chart)

Ref.	Qty.	Part No.	Description
1	1	05310100	Coulter 20", Arm
2	1	05310200	Arm 20" Coulter
3	1	04663200	Bar Assy. Pivot
4	1	443627A1	Plow Disc HPT Blades 20" Plain 4.5 MM
5	1	28063331	Hub Assy. 633 With Spindle
6	1	05302700	Mounting Parts Coulter
7	2	20090050	Holder Spring Casting
8	1	24143880	Compression Spring
9	1	87427185	U-Bolt 3/4" X 4", Square
9	1	87427182	Bolt "U" 3/4" x 4" x 7.5", For 4" x 6" Tube
10	1	87439266	BOL Hex, 5/8"-11 X 12", G5
11	2	438-32840	Pin 7/16" X 2 1/2", Coiled
12	2	495-81028	Washer 2 1/2" x 1 1/2" x .240"
13	2	17620020	Bushing 1 1/4", 14 Gauge, Machine
14	1	17620030	Bushing 1 1/4", 10 Gauge, Machine
15	2	425-1012	Nut 3/4"-10, G5, Hex
16	2	425-168	Nut 1/2"-13, G5, Hvy, Hex
17	1	432-1624	Cotter Pin 1/4" x 1 1/2"
18	1	219-86	Lube Nipple 1/8" X .62" kgm Drive, Self Tap

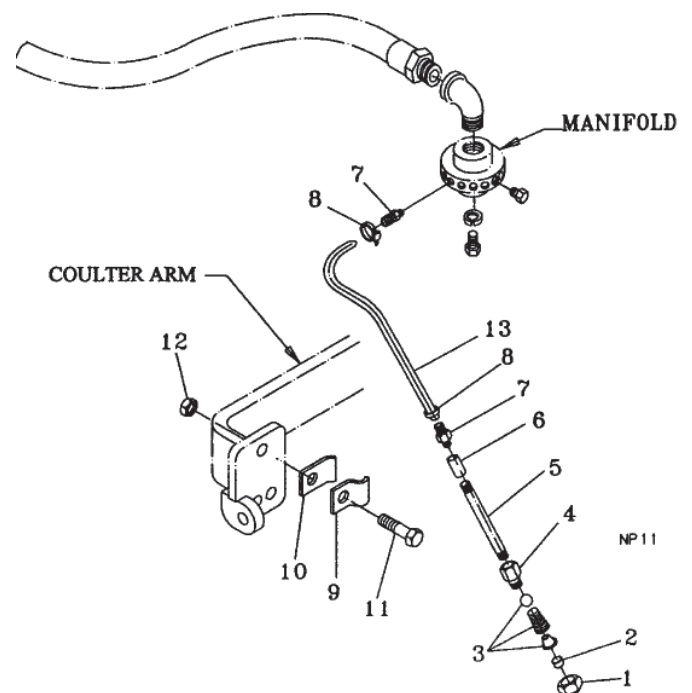


Liquid Straight Stream Injector

Pressure injects the solution directly into the knife slot. Very little maintenance or horsepower needed.

Part No.	Description
DMI05310021	Injector Kit with hardware (includes 1, 3-12)

Ref.	Part No.	Description
1	SSCP1325-SS	Nozzle Cap
2	See Chart	Nozzle
3	34600030	Check Valve
4	34600018	Body 1/4" NPTF
5	STSNIP025-6	1/4" Nipple x 6" Lg.
6	STSCPLG025	1/4" NPT Coupler
7	CA-1132	1/4" NPT x 3/8" Hose Barb
8	DE45001	Hose Clamp
9	05310130	Outer Clamp
10	05310140	Inner Clamp
11	413-1032	5/8" x 2" NC Hex Bolt
12	280374	5/8" NC Hex Nut
13	Order Kit	3/8" Hose



Liquid Injector Nozzle

Formula to convert pounds per acre to gallons per acre: pounds per acre/percent of nitrogen = total pounds per acre/
pounds per gallon = gallons per acre (GPA)

EXAMPLE: 100 (#per acre)/.28 (28%) = 357 (#per acre)/ 10.65 (#per gallon) = 33.5 (GPA)

30" Rows

EXAMPLE #: SSTP0008-SS

Spraying Systems Part No.	Orifice Diameter	Pressure (PSI)	Gallons Per Minute (10.65 #/gal)	Gallons Per Acre: 30" Rows					
				5 mph	6 mph	7 mph	8 mph	9 mph	10 mph
00015	0.033	80	0.19	7.5	6.3	5.4	4.7	4.2	3.8
		90	0.2	7.9	6.6	5.7	5	4.4	4
		100	0.22	8.7	7.3	6.2	5.4	4.8	4.4
00002	0.039	80	0.25	9.9	8.3	7.1	6.2	5.5	5
		90	0.26	10.3	8.6	7.4	6.4	5.7	5.1
		100	0.28	11.1	9.2	7.9	6.9	6.2	5.5
00003	0.047	70	0.36	14.3	11.9	10.2	8.9	7.9	7.1
		80	0.37	14.7	12.2	10.5	9.2	8.1	7.3
		90	0.39	15.4	12.9	11	9.7	8.6	7.7
00004	0.055	70	0.46	18.2	15.2	13	11.4	10.1	9.1
		80	0.52	20.6	17.2	14.7	12.9	11.4	10.3
		90	0.55	21.8	18.2	15.6	13.6	12.1	10.9
00005	0.061	60	0.54	21.4	17.8	15.3	13.4	11.9	10.7
		70	0.58	23	19.1	16.4	14.4	12.8	11.5
		80	0.63	24.9	20.8	17.8	15.6	13.9	12.5
00006	0.067	60	0.64	25.3	21.1	18.1	15.8	14.1	12.7
		70	0.69	27.3	22.8	19.5	17.1	15.2	13.7
		80	0.75	29.7	24.8	21.2	18.6	16.5	14.9
00008	0.078	50	0.79	31.3	26.1	22.3	19.6	17.4	15.6
		60	0.87	34.5	28.7	24.6	21.5	19.1	17.2
		70	0.94	37.2	31	26.6	23.3	20.7	18.6
00010	0.086	50	0.97	38.4	32	27.4	24	21.3	19.2
		60	1.06	42	35	30	26.2	23.3	21
		70	1.15	45.5	38	32.5	28.5	25.3	22.8
00015	0.107	50	1.46	57.8	48.2	41.3	36.1	32.1	28.9
		60	1.59	63	52.5	45	39.4	35	31.5
		70	1.71	67.7	56.4	48.4	42.3	37.6	33.9
00020	0.125	40	1.77	70.1	58.4	50.1	43.8	38.9	35
		50	2.01	76.6	66.3	56.9	49.7	44.2	39.8
		60	2.21	87.5	72.9	62.5	54.7	48.6	43.8
00030	0.14	40	2.64	104.5	87.1	74.7	65.3	58.1	52.3
		50	2.9	114.8	95.7	82	71.8	63.8	57.4
		60	3.16	125.1	104.3	89.4	78.2	69.5	62.6

NOTE: If ½ rate is needed on outside shanks, order 2 nozzles with ½ the capacity. If 1 ½ rate is needed on outside shanks, order 2 nozzles with 1 ½ times the capacity.

Liquid Injector Nozzle



36" ROWS

38" ROWS

Spraying Systems Part No.	Orifice Diameter	Pressure (PSI)	Gallons Per Minute (10.65#/gal)	Gallons Per Acre: 36" Rows										Gallons Per Acre: 38" Rows									
				5 mph	6 mph	7 mph	8 mph	9 mph	10 mph	5 mph	6 mph	7 mph	8 mph	9 mph	10 mph								
00015	0.033	80	0.19	6.3	5.2	4.5	3.9	3.5	3.1	5.9	5	4.2	3.7	3.3	3								
		90	0.2	6.6	5.5	4.7	4.1	3.7	3.3	6.3	5.2	4.5	3.9	3.5	3.1								
		100	0.22	7.3	6.1	5.2	4.5	4	3.6	6.9	5.7	4.9	4.3	3.8	3.4								
00002	0.039	80	0.25	8.3	6.9	5.9	5.2	4.6	4.1	7.8	6.5	5.6	4.9	4.3	3.9								
		90	0.26	8.6	7.2	6.1	5.4	4.8	4.3	8.1	6.8	5.8	5.1	4.5	4.1								
		100	0.28	9.2	7.7	6.6	5.8	5.1	4.6	8.8	7.3	6.3	5.5	4.9	4.4								
00003	0.047	70	0.36	11.9	9.9	8.5	7.4	6.6	5.9	11.3	9.4	8	7	6.3	5.6								
		80	0.37	12.2	10.2	8.7	7.6	6.8	6.1	11.6	9.6	8.3	7.2	6.4	5.8								
		90	0.39	12.9	10.7	9.2	8	7.2	6.4	12.2	10.2	8.7	7.6	6.8	6.1								
00004	0.055	70	0.46	15.2	12.7	10.8	9.5	8.4	7.6	14.4	12	10.3	9	8	7.2								
		80	0.52	17.2	14.3	12.3	10.7	9.5	8.6	16.3	13.5	11.6	10.2	9	8.1								
		90	0.55	18.2	15.1	13	11.3	10.1	9.1	17.2	14.3	12.3	10.7	9.6	8.6								
00005	0.061	60	0.54	17.8	14.9	12.7	11.1	9.9	8.9	16.9	14.1	12.1	10.6	9.4	8.4								
		70	0.58	19.1	16	13.7	12	10.6	9.6	18.1	15.1	13	11.3	10.1	9.1								
		80	0.63	20.8	17.3	14.9	13	11.6	10.4	19.7	16.4	14.1	12.3	10.9	9.8								
00006	0.067	60	0.64	21.1	17.6	15.1	13.2	11.7	10.6	20	16.7	14.3	12.5	11.1	10								
		70	0.69	22.8	19	16.3	14.2	12.7	11.4	21.6	18	15.4	13.5	12	10.8								
		80	0.75	24.8	20.6	17.7	15.5	13.8	12.4	23.4	19.5	16.7	14.7	13	11.7								
00008	0.078	50	0.79	26.1	21.7	18.6	16.3	14.5	13	24.7	20.6	17.6	15.4	13.7	12.3								
		60	0.87	28.7	23.9	20.5	17.9	16	14.4	27.2	22.7	19.4	17	15.1	13.6								
		70	0.94	31	25.9	22.2	19.4	17.2	15.5	29.4	24.5	21	18.4	16.3	14.7								
00010	0.086	50	0.97	32	26.7	22.9	20	17.8	16	30.3	25.3	21.7	19	16.8	15.2								
		60	1.06	35	29.2	25	21.9	19.4	17.5	33.1	27.6	23.7	20.7	18.4	16.6								
		70	1.15	38	31.6	27.1	23.7	21.1	19	36	30	25.7	22.5	20	18								
00015	0.107	50	1.46	48.2	40.2	34.4	30.1	26.8	24.1	45.6	38	32.6	28.5	25.4	22.8								
		60	1.59	52.5	43.7	37.5	32.8	29.2	26.2	49.7	41.4	35.5	31.1	27.6	24.9								
		70	1.71	56.4	47	40.3	35.3	31.4	28.2	53.5	44.6	38.2	33.4	29.7	26.7								
00020	0.125	40	1.77	58.4	48.7	41.7	36.5	32.5	29.2	55.3	46.1	39.5	34.6	30.7	27.7								
		50	2.01	66.3	55.3	47.4	41.5	36.9	33.2	62.8	52.4	44.9	39.3	34.9	31.4								
		60	2.21	72.9	60.8	52.1	45.6	40.5	36.5	69.1	57.6	49.4	43.2	38.4	34.5								
00030	0.14	40	2.64	87.1	72.6	62.2	54.5	48.4	43.6	82.5	68.8	59	51.6	45.9	41.3								
		50	2.9	95.7	79.8	68.4	59.8	53.2	47.9	89.7	75.6	64.8	56.7	50.4	45.3								
		60	3.16	104.3	86.9	74.5	65.2	57.9	52.1	98.8	82.3	70.6	61.7	54.9	49.4								

NOTE: If 1/2 rate is needed on outside shanks, order 2 nozzles with 1/2 the capacity. If 1 1/2 rate is needed on outside shanks, order 2 nozzles with 1 1/2 times the capacity.

Suction & Discharge Hose

EPDM Rubber Suction Hose

Application: Suction and discharge of most diluted chemicals including LASSO.

Construction: EPDM tube reinforced with synthetic cord and SPIRAL STEEL WIRE for added flexibility and crush resistance. Black EPDM cover. In 100' rolls.

Part No.	ID	PSI
G96011	1 ¼"	125
G96014	1 ½"	125
G96015	2"	125
G96018	3"	125
G96068	4"	125



Chem-Flex Chemical Hose

Application: A versatile chemical transfer hose that will handle up to 90% of all known chemicals.

Construction: Special cross-linked polyethylene tube is reinforced with plies of textile and a dual spring wire helix. The cover is green EPDM to identify chemical use.

Part No.	ID	PSI
G96090	1"	150
G96091	1 ½"	150
G96092	2"	150
G96093	3"	150



EPDM Blend Suction Hose

Application: Chemical and fertilizer solution suction and discharge transfer hose. Lightweight with good flexibility. Medium grade.

Construction: EPDM with yellow polyethylene helix reinforcement. In 100' rolls.

Part No.	ID	PSI
G96079	1 ¼"	50
G96081	1 ½"	50
G96082	2"	50
G96080	2 ½"	50
G96083	3"	43
G96084	4"	38



Style K PVC Suction Hose

Application: A high quality flexible and long lasting suction and discharge hose for general purpose uses including water and fertilizer solution.

Construction: Smooth bore hose made of flexible abrasion-resistant extruded clear PVC with a rigid PVC helix. In 100' rolls.

Part No.	ID	PSI
G96048	1"	80
G96049	1 ¼"	80
G96050	1 ½"	70
G96051	2"	65
G96052	3"	55
G96053	4"	50



EPDM Spray Hose

Application: Used for spraying applications.

Construction: EPDM tube reinforced with 2 and 4 spiral polyester yarn. Black EPDM cover.

Part No.	ID	PSI	Per Roll
G96059	¾"	200	700'
G96060	½"	200	700'
G96063	⅝"	200	700'
G96061	¾"	200	700'
G96062	1"	200	700'
G96065	1 ¼"	150	500'
G96016	1 ½"	150	400'
G96017	2"	150	300'



Enforcer Suction Hose

Applications: A reinforced, flexible suction / discharge hose for the agricultural and construction industries. Hose is resistant to diluted herbicides and pesticides with good flexibility in sub-zero weather. Construction: EPDM tube with polyethylene helix and a high tensile fabric reinforcement. In 100' rolls.

Part No.	ID	PSI
12012960	1 ¼"	100
12012962	1 ½"	100
12012964	2"	100
12012966	3"	85



Application & Discharge Hose

Eva Tubing

Application: Used in applying anhydrous ammonia, aqua ammonia, herbicides, phosphates and all liquid fertilizers.

Construction: Clear ethylene vinyl acetate plastic tubing.

Part No.	ID	Wall	PSI	Roll Length
G96026	3/8"	1/8"	75	500'
G96026-BL	3/8"	1/8"	75	500'
G96020	1/2"	1/8"	75	300'
G96024	5/8"	1/8"	75	250'
G96023	3/4"	1/8"	60	200'
G96023-BL	3/4"	1/8"	60	250'
G96022	1"	1/8"	60	150'
G96022-BL	1"	1/8"	60	100'



Reinforced Eva Tubing

Application: Same uses as standard EVA tubing. Offers a higher working pressure and has great stress and crack resistance at low temperatures.

Construction: Clear ethylene vinyl acetate plastic tubing, reinforced with a synthetic cord.



Part No.	ID	PSI	Roll Length
G96026B	3/8"	250	300'
G96020B	1/2"	200	300'
G96023B	3/4"	175	300'
G96022B	1"	150	200'

Clear Vinyl Tubing

Application: Site gauge and safety water can usage.

Construction: Clear extruded vinyl tubing. In 100' rolls.

Part No.	ID	Wall	PSI
G96039	1/4"	1/8"	70
G96036	3/8"	1/8"	60
G96040	1/2"	1/8"	45
G96037	5/8"	1/8"	40
G96041	3/4"	1/8"	35
G96042	1"	1/8"	25
G96043	1 1/4"	1/4"	20
G96044	1 1/2"	1/4"	20



Blue Royal PVC Discharge Hose

Application: Economical water discharge hose.

Construction: Tube and cover are blue PVC and reinforcement is a spiral of high grade cord fabric. In 300' reels.42

Part No.	ID	PSI
G96086	1 1/2"	70
G96087	2"	65
G96088	3"	55
G96085	4"	50

Stainless Steel Hose Clamps

Part No.	ID	Hose Size
DE45001	5/16" - 7/8"	3/8" - 1"
42H000012B	9/16" - 1 1/4"	3/4"
DE45002	1 1/16" - 1 1/2"	1/2" - 1"
DE45007	1 1/16" - 2"	1 1/4"
DE45003	1 5/16" - 2 1/4"	1 1/2"
DE45008	2 1/16" - 3"	2"
DE45005	3 1/16" - 4"	3"



T Bolt Clamps

Part No.	Hose ID	Min. Dia.	Max. Dia.
TC120	1"	1.20"	1.34"
TC130	1 1/4"	1.30"	1.70"
TC150	1 1/2"	1.50"	1.75"
TC162	1 1/4"	1.62"	1.87"
TC181	1 1/4"	1.81"	2.06"
TC193	1 1/2"	1.93"	2.18"
TC218	2"	2.18"	2.50"
TC231	2"	2.31"	2.62"
TC250	2"	2.5"	2.81"
TC287	2"	2.87"	3.18"
TC312	3"	3.12"	3.49"
TC331	3"	3.31"	3.62"
TC343	3"	3.43"	3.75"
TC425	4"	4.25"	4.56"
TC438	4"	4.38"	4.75"
TC456	4"	4.56"	4.94"

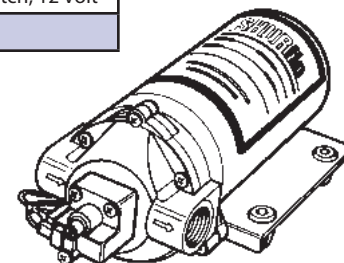
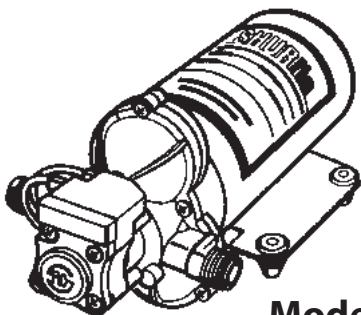
Barrel Hardware Clamps

Part No.	Description	Min/Max Diameter	Max Torque
BC090	3/4" 300 SS Floating Bridge w/ Lockwasher	0.91"/0.98"	75in-lbs
BC114	1" 300 SS Floating Bridge w/ Lockwasher	1.14"/1.22"	75in-lbs

Shurflo Pumps | Air Fittings & Air Line

Model 8000 Pumps

Part No.	Description
8000-343-236	All Viton Pump 1.2 GPM, Viton Elastomers, 60 PSI Demand Switch, 3/8" FPT Ports, 12 Volt
8000-543-236	Standard Pump 1.4 GPM, Viton Valves, Santoprene Diaphragm, 60 PSI Demand switch, 3/8" FPT Ports, 12 Volt
8000-543-250	By-Pass Pump 1.4 GPM Viton Valves, Santoprene Diaphragm, 45 PSI Internal By-Pass, 3/8" FPT Ports, No Switch, 12 Volt
8000-033-236	All Viton Pump, Viton Valves, Viton Diaphragm 60 PSI 3/8" FPT Ports



Model 2808 Pumps

Part No.	Description
2088-343-135	Standard pump 3.0 GPM, Viton Valves, Santoprene Diaphragms, 45 PSI Demand Switch, 1/2" MPT Ports, 12 Volts
2088-394-154	Standard Pump 3.2 GPM, Viton Valves, Santoprene Diaphragm, 40 PSI Demand Switch, 1/2" MPT Ports, 110 Volt
2088-313-145	Premium Pump – Fin Cooled Motor 3.6 GPM Viton Valves, 12 Volt, 45 PSI Demand Switch, 1/2" MPT Ports



Model 8020 Pumps

Part No.	Description
8020-503-250	By-Pass Pump with Power Cord, 1.4 GPM, Viton Valves, Santoprene Diaphragm, 45 PSI Internal by-pass, 3/8" FPT Ports, No Switch, Nylon Parts
8020-513-236	Standard Pump with Power Cord, 1.4 GPM, Viton Valves, Santoprene Diaphragm, 60 PSI Internal by-pass, 3/8" FPT Ports, Polypro Parts
8020-833-238	High Pressure Pump with Power Cord, 1.4 GPM, Viton Valves, Santoprene Diaphragm, 100 PSI, Demand Switch, 3/8" FPT Ports, Nylon Parts

Air Line Fittings

Thd x FL		L516642	1/4" Hose x 1/8" MNPT
		L060511	1/4" Hose x 1/4" MNPT
		L049460	3/8" Hose x 1/4" MNPT
Union FL		L516229	1/4" Hose x 1/4" Hose
		L060015A	3/8" Hose x 3/8" Hose
Union		UN025	1/4" Hose x 1/4" Hose
		UN038	3/8" Hose x 3/8" Hose
Plug		PLUG025	1/4" Hose x 1/4" Hose
		PLUG038	3/8" Hose x 3/8" Hose
Straight		L061098	1/4" Hose x 1/8" MNPT
		L516233	1/4" Hose x 1/4" MNPT
		L049465	3/8" Hose x 1/4" MNPT
Union Tee		L049459	3/8" Hose x 3/8" MNPT
		L516206	1/4" Hose (x3)
		L060361	3/8" Hose (x3)
Stem		L060709	1/4" Hose x 1/8" MNPT
		L516230	1/4" Hose x 1/4" MNPT
		44015501	1/4" Hose x 3/8" MNPT
		L060015B	3/8" Hose x 3/8" MNPT
End Stop		L049615	3/8" Hose x 1/4" MNPT
		ES025	1/4" Hose
		ES038	3/8" Hose

Air Line Tubing

	L511021	1/4" Black
	L049466	3/8" Black

Shurflo Repair Kits & Accessories

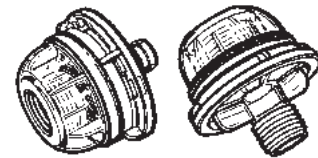
8000 Parts Kits	
Part No.	Description
DRIVE ASSEMBLY KITS	
94-385-03	3.0 cam for all listed 8000 models except 8000-033-236, 8000-541-236, 8000-542-296 and 8000-343-236
94-385-04	2.5 cam for 8000-542-296, 8000-033-236 and 8000-343-236
94-385-02	2.0 cam for 8000-541-236
DIAPHRAGM KITS	
94-395-05	Viton for 8000-343-236 and 8000-033-236
94-395-06	Santoprene for all listed 8000 models except 8000-343-236 and 8000-033-236
VALVE KITS	
94-390-05	Viton for all listed 8000 models except 8000-543-250, 8007-543-250, 8000-533-250 and 8000-542-296
94-391-09	Viton, 45 PSI bypass for 8000-543-250 and 8000-533-250
94-391-07	Viton, 60 PSI by-pass for models 8007-543-250 and 8000-542-296
CHECK VALVE KIT	
94-374-05	Viton, 1-way check valve for all listed 8000 models
UPPER HOUSING	
94-378-00	Polypro, 1/2" male for 8000-543-136
94-379-00	Polypro, 3/8" female for all listed 8000 models except 800-543-136
SWITCH KITS	
94-375-05	Viton, 60 PSI for all listed 8000 models except 8000-543-250, 8007-543-250, 8000-533-250, 8000-543-290, 8000-543-238
94-375-15	Viton, 80-100 PSI for model 8000-543-238

Model 2088 Parts Kits		
Part No.	Description	For Models
DIAPHRAGM/DRIVE KITS		
94-238-03	Santo, 3.0" Cam	For All Listed 2088 Models
VALVE KITS		
94-232-05	Poly/Viton	For All Listed 2088 Models
CHECK VALVE KITS		
94-237-05	Check Valve Kit, Viton	2088-313-145, 2088-343-135, 2088-394-154
UPPER HOUSING w/ SWITCH KITS		
94-231-05	Viton, 40-45 PSI adjustable (LP)	For All Viton Models With Mini-Micro Switch
SWITCH KITS		
94-230-36	Viton 40-45 PSI adjustable (LP)	For 2088-343-135 and 2088-394-154
94-230-55	Viton 40-45 PSI adjustable, Splash Proof	For model 2088-313-145
UPPER HOUSING KIT		
94-231-30	Poly-Pro - 1/2" MPT x 1/2" MPT	For All Listed 2088 Models, Except 2088-343-170 and 2088-343-500

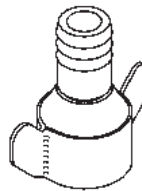
Order of description of upper housing/switch kits above: check valve material, switch shut-off pressure. NOTE: Complete pumphead available.

TWIST-ON IN-LINE STRAINERS

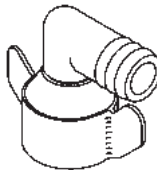
These twist-on strainers will protect the pumps filtering dirt and other foreign particles often found in tanks used in ag spraying. Mounts directly on pumphead using integral molded-in threads. Their transparent design makes it easy to see when it's time to clean out the strainer. A simple twist of the wrist opens the strainer - no tools required and very little effort are needed to protect the pump.



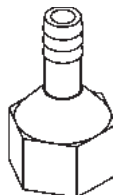
Swivel Wingnut Straight Fittings	
Part No.	Description
8-154-01	1/2" FPT x 3/8" barb with wing nut (swivel)
8-156-01	1/2" FPT x 3/4" barb with wing nut (swivel)
8-161-01	1/2" FPT x 1/2" barb with wing nut (swivel)
8-162-01	1/2" FPT x 3/8" barb with wing nut (swivel)



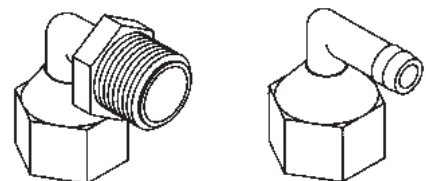
Swivel Hexnut Elbow Fittings	
Part No.	Description
8-034-01	1/2" FPT x 1/2" barb (swivel)
8-035-01	1/2" FPT x 1/2" MPT (swivel) Nylon
8-060-01	1/2" FPT x " barb (swivel)



Swivel Hexnut Straight Fittings	
Part No.	Description
8-071-01	1/2" FPT x 3/8" barb (swivel)
8-070-01	1/2" FPT x 1/2" barb (swivel)



Twist-On Strainers	
Part No.	Description
170-061-05	1/2" Hose Barb Connector
170-60-20	1/2" MPT Connector



Swivel Wingnut Elbow Fittings	
Part No.	Description
234-3946	1/2" FPT x 3/4" barb with wing nut (swivel)
8-158-01	1/2" FPT x 1/2" barb with wing nut (swivel)