

NEW PRODUCTS

2" Full Port Flow Meter

FEATURES

- *Displays overall total volume & batch total volume!*
- Flow rate allows for Gallons or Liters Per Minute.
- Digital readout in Metric or English.
- Magnetic style meter.
- Self calibrating meter—measures all viscous liquids.
- Easy to change six (6) AA batteries.
- No moving parts to fail during use.
- Glass-reinforced polypropylene.
- Temperature range from 0° to 150°.
- Accuracy is approximately 1% from 30 to 300 gallons.



**BANJO MAN INTRODUCES
NEW PRODUCTS!**



See Flanges, Fittings & Clamps on page 59.

2" FULL PORT FLOW METER	
PART NO.	DESCRIPTION
MFM220	2" Full Port Flow Meter with Digital Readout

Garden Hose Fittings

FEATURES

- *Quick and simple way to connect and disconnect your garden hose!*
- Easily connects hose to spigot, sprinkler, nozzle or other hose end accessories.
- Durable, rustproof polypropylene construction.
- Never have to use pliers to tighten to prevent leaks.
- Yellow fiberglass reinforced polypropylene.
- Standard $\frac{3}{4}$ " opening diameter.



A

GHFT075A



B

GHMT075B



D

GHFT075D



F

GHMT075F



GHMT075FPT



GHFT075MPT



A

B

D

F

GARDEN HOSE FITTINGS	
PART NO.	DESCRIPTION
GHFT075A	$\frac{3}{4}$ " Adapter x $\frac{3}{4}$ " Garden Hose Female Thread
GHMT075B	$\frac{3}{4}$ " Coupler x $\frac{3}{4}$ " Garden Hose Male Thread
GHFT075D	$\frac{3}{4}$ " Coupler x $\frac{3}{4}$ " Garden Hose Female Thread
GHMT075F	$\frac{3}{4}$ " Adapter x $\frac{3}{4}$ " Garden Hose Male Thread
GHFT075MPT	$\frac{3}{4}$ " Male NPT x $\frac{3}{4}$ " Garden Hose Female Thread
GHMT075FPT	$\frac{3}{4}$ " Female NPT x $\frac{3}{4}$ " Garden Hose Male Thread

NEW PRODUCTS

3" WET SEAL Self-Priming Centrifugal Pump

FEATURES

- **New compact design!**
- Durable cast iron construction.
- Dynamically balanced impeller.
- Replaceable inlet & outlet flanges.
- Graphite loaded silicon carbide seal with stainless steel cup and spring with 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.



3" WET SEAL SELF-PRIMING CENTRIFUGAL GAS DRIVEN PUMPS

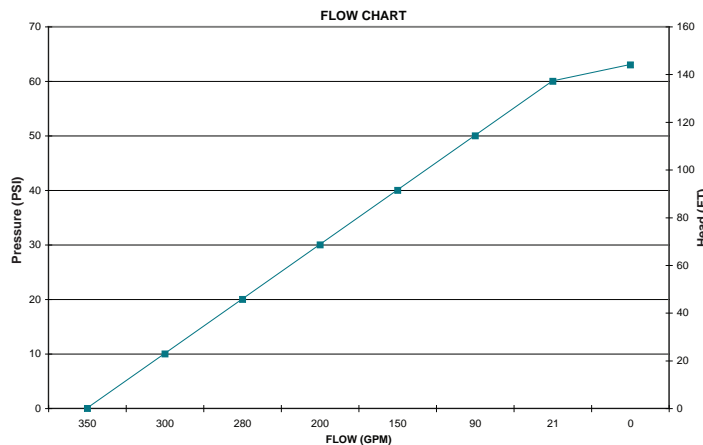
PART NO.	DESCRIPTION	HP
301PIH13W*	3" x 3" Cast Iron Wet Seal Pump w/Honda Engine	13

*Truck shipments only.



PART NO.	DESCRIPTION	HP
301PBIW*	3" x 3" Cast Iron Wet Seal Pump w/ Pedestal	N/A
301POIW*	3" x 3" Cast Iron Pump Only*	N/A

*Truck Shipments Only.



Manifold Inductor System

FEATURES

- **3" full port flow!**
- Draws dry powders from inductor tank for thorough chemical mixing.
- Installed after pump; suction completely empties inductor tank.
- Easy assembly and installation with manifold connections.
- Keeps tank free of chemicals.



MANIFOLD INDUCTOR SYSTEM

PART NO.	DESCRIPTION	QTY.	
MIS300AA	Male Adapter x Male Adapter 3" Full Port - Assembled	1	

NOTE: TANK NOT INCLUDED.

See page 57 for complete details.

Boom Manifold Pipe Adapter

FEATURES

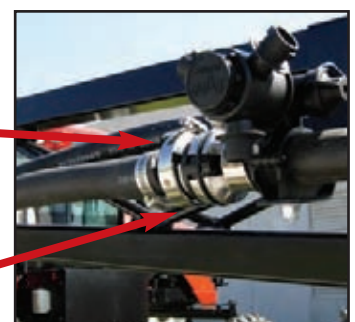
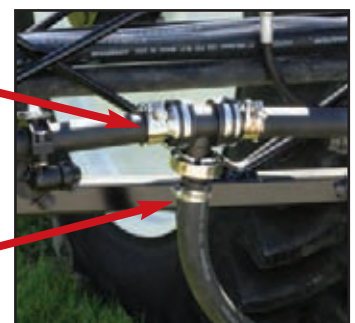
- **Eliminates having to thread pipe!**
- Quick and easy assembly.
- No welding necessary.
- 360° orientation.



M100PAT



M100PA



BOOM NOZZLE PIPE ADAPTER

PART NO.	DESCRIPTION	QTY.	
M100PA	1" Flanged Pipe Adapter	1	
M100PAT	1" Flanged Pipe Adapter Tee	1	
M100PLG	1" Flanged Pipe Adapter Plug	1	



VALVES

ELECTRIC VALVES

MANIFOLD SYSTEMS

DRY-DISCONNECTS

IBC/TANK ACC.

CAM LEVER COUPLINGS

PIPE FITTINGS

LINE STRAINERS

PUMPS

REFERENCE

LIQUID HANDLING PRODUCTS

BANJO CORPORATION specializes in injection molding of glass reinforced polypropylene with an excellent reputation for high quality. Key properties of glass-reinforced polypropylene include being rigid and lightweight, having excellent chemical and corrosion resistance, stress cracking resistance, low moisture absorption and high impact resistance. Banjo prides itself on innovative designs, skillful engineering and precise manufacturing.

APPLICATIONS FOR BANJO POLYPROPYLENE LIQUID HANDLING PRODUCTS*:

- Agricultural Fertilizers, Herbicides, Pesticides, Insecticides
- Organic & Inorganic Chemicals
- Industrial Chemicals
- Pulp & Paper
- Reverse Osmosis
- Deionized Water
- Inks, Paints, Coatings
- Adhesives, Lubricants, Resins
- Soaps & Detergents
- Alkalis, Acids, Solvents, Corrosives
- Petroleum Processing/Refining
- Water Treatment, Wastewater
- Tank Trucks, Rotomolded Tanks, IBC's (Intermediate Bulk Containers)
- Textiles
- Plating
- Circuit Board Chemistry
- Pharmaceuticals

*All recommendations as to use of parts and materials mentioned in this catalog assume that the buyer will ascertain their suitability and that all safety and health standards are met.

PRODUCT CHANGES

BANJO CORPORATION reserves the right to make design changes for the improvement of a product without notice.

TECHNICAL SUPPORT SERVICES

BANJO CORPORATION has technical service personnel who are always ready to assist you with your questions and concerns about BANJO Liquid Handling Products and your specific application. We are committed to being your resource for quality products and efficient technical service.

Let BANJO MAN point you in the right direction with his helpful tips and guides to our brand new products. Look for BANJO MAN throughout our catalog to assist you.



Catalog No. 49-00 • 2008

ORDERING INFORMATION

HOW TO ORDER

Contact your local BANJO Distributor or BANJO CORPORATION:

BANJO CORPORATION

150 Banjo Drive

Crawfordsville, Indiana 47933 USA

Telephone: (765) 362-7367

Fax: (800) 458-0232 International Fax: (765) 362-0744

E-Mail Technical Questions: sales1@banjocorp.com

E-Mail Orders: orders@banjocorp.com

Website: www.banjocorp.com

Please order in bag/box quantities for quick and easy shipping/receiving of your order. Use BANJO Part Numbers when ordering. All items priced each, not per bag or box quantity.

MINIMUM ORDER

BANJO CORPORATION requires a \$50.00 net minimum order, air shipments excluded. Orders less than \$50.00 net will not be accepted.

CONDITIONS OF SALE—TERMS AND DELIVERY

Terms are 1% 15, net 30 days upon credit approval. Delivery is F.O.B. Crawfordsville, Indiana unless otherwise specifically provided in writing. All orders will be shipped freight collect except orders shipped U.P.S. On U.P.S. shipments the actual freight charges will be prepaid and added to the invoice.

CLAIMS & RETURNS

All returns must have an accompanying return goods authorization number (RGA Number) regardless of reason for return. Please contact BANJO CORPORATION for an RGA number prior to returning goods.

Inspect all shipments for damage upon receipt. If any cartons are damaged, do not sign for or accept them without driver making a notation on the freight bill or receipt. After receiving the shipment, remove the goods and thoroughly inspect immediately. If any concealed damage is discovered, notify the delivering carrier at once in writing. Do not move damaged merchandise until further inspection has been made. Save carton and packing

material for inspection. Do not order carrier to return merchandise to our factory without contacting BANJO CORP.

Claims for shortages or inaccurate filling of orders must be made within 30 days after receipt of goods. Return shipments must be prepaid. C.O.D. or "Freight Collect" shipments will not be accepted. **There will be a 30% restocking charge on any items returned for credit or exchange when the error is not ours.** Goods must be in new and original condition without labels, stickers or markings, other than BANJO CORP

RETURN FOR REPAIR POLICY

1. Items returned for repair will not be accepted without prior approval and a return authorization number.
2. Defective warranty items will be replaced or repaired at manufacturer's option on a no charge basis.
3. The customer will be charged for the appropriate parts and labor charges for all non-warranty work.
4. The manufacturer will not provide replacement parts at no charge while repairs are being made.
5. A description of the application (media, temperature, pressure) and performance of the items must accompany the return. Please specify type of failure and exact location of failure.
6. Prior to returning, items must be cleaned and neutralized. Items which have not been cleaned and neutralized will not be inspected or repaired.

WARRANTY

Please contact BANJO CORP for warranty evaluation. BANJO CORP is not responsible for product damage resulting from accident, misuse or abuse, or lack of reasonable care. Upon confirmation of defects, BANJO CORP will repair or replace defective products without charge. No responsibility is assumed for labor, or any special, incidental or consequential damages.

We recommend that anyone intending to rely on any recommendation or to use any parts or material mentioned in this catalog should satisfy themselves as to such suitability and that all applicable safety and health standards are met. The only reliable means for making a final selection is actual field testing under the conditions of intended use.

BANJO PUMP RETURNS

UPON RECEIPT OF PUMP:

1. Inspect pump for damage!
2. If a pump is damaged, do not sign for or accept damaged cartons without driver making a notation on freight bill or receipt.
3. Do not move damaged merchandise any further until inspection has been made. Save carton and packing material for inspection.
4. Do not order carrier to return merchandise to our factory without contacting BANJO CORP.

WHEN RETURNING PUMP:

1. Gasoline Engines must be empty of fuel!
2. Pumps must be cleaned and neutralized.
3. Pack pump in heavy-duty carton with sufficient packing to protect bottom and all sides.
4. Specify type of failure and exact location of failure.
5. A description of the application (media, temperature, pressure) and performance of the items must accompany the return.
6. The manufacturer will not provide free replacement parts or pumps while repairs are being made.
7. The customer will be charged for the appropriate parts and

labor charges for all non-warranty work.

8. Defective pumps will be replaced or repaired at manufacturer's option.
9. BANJO CORP. is not responsible for pump/engine damage resulting from accident, misuse or abuse, or lack of reasonable care.
10. No responsibility is assumed for labor, or any special, incidental or consequential damages.
11. Engine warranty service and engine parts/accessories available at authorized Honda and Briggs & Stratton Dealers.

ENGINE WARRANTY

The engines, hydraulic motors, and electric motors are warranted by the Engine Manufacturer, NOT BY BANJO CORPORATION. PLEASE SEE ENGINE/MOTOR OWNERS MANUAL. Engine/ motor repair, engine replacement parts, and engine warranty claims must be handled through an authorized engine dealer in your locality.



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VALVES



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REFERENCE

Engine Warranty Service



BRIGGS AND STRATTON



HONDA

Engine Guide, Part Weight Chart, Alpha Numeric Guide

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150 Banjo Drive
Crawfordsville, Indiana 47933 USA

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Sales & Technical: sales1@banjocorp.com
www.banjocorp.com

Polypropylene Bolted Ball Valves

FEATURES

- FKM (viton type) seals.
- Precision molded 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.
- PTFE self-lubricating stem bushings and seats cannot stick or bind.



4 BOLT VALVES

PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QUANTITY
V050	Valve — Full Port	150	1/2"	3/4"	24/per box
V075	Valve — Full Port	150	3/4"	3/4"	24/per box
V100	Valve — Standard Port	150	1"	3/4"	24/per box
V100FP	Valve — Full Port	150	1"	1"	24/per box
V125	Valve — Standard Port	150	1 1/4"	1"	24/per box
V125FP	Valve — Full Port	150	1 1/4"	1 1/2"	24/per box
V150	Valve — Full Port	150	1 1/2"	1 1/2"	24/per box
V200	Valve — Standard Port	150	2"	1 1/2"	24/per box

ACCESSORIES

PART NO.	DESCRIPTION	VALVE USED
VL20153	Locking Device	V125FP, V150 & V200 (Padlock not included)
V25271	90° Mounting Bracket	V150, V200
V25270	Straight Mounting Bracket	V150, V200
V10270	Straight Mounting Bracket	V100FP, V125
V10271	90° Mounting Bracket	V100FP, V125

STRAIGHT MOUNTING BRACKET

- 304 Stainless Steel

V10270



90° MOUNTING BRACKET

- 304 Stainless Steel

V10271



LOCKING DEVICE FEATURES

- Stainless Steel Construction.
- Installs under valve handle.
- Comes complete with handle and locking device.
- Padlock not included.
- Available for V125FP, V150 and V200.

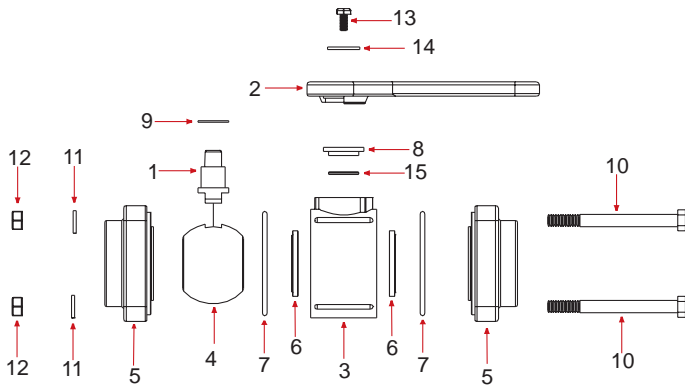
VL20153



HANDLE RISERS

PART NO.	DESCRIPTION	VALVE USED
V10153138BL	1" X 1 3/8" Handle Offset	V075BL, V100BL
V10153138	1" X 1 3/8" Handle Offset	V100FP, V125, V075SL, V100SL
V20153138BL	2" X 1 3/8" Handle Offset	V125BL, V150BL
V20153138	2" X 1 3/8" Handle Offset	V125FP, V150, V200, V125SL, V150SL
V25153138BL	2"FP X 1 3/8" Handle Offset	MV200BL, MV300BL
V25153138	2"FP X 1 3/8" Handle Offset	V200FP, V200SL



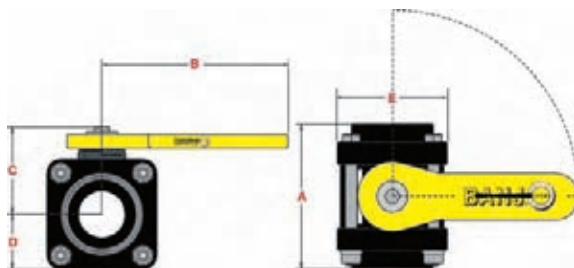


REPLACEMENT PARTS V050 – V075 – V100			
ITEM	PART NO.	DESCRIPTION	QTY.
1	V07151A	Stem	1
2	V10153A	Handle	1
3	V07254	Valve Body	1
4	V07155*	Valve Ball	1
5	V05256	End Plate 1/2"	2
5	V07257	End Plate 3/4"	2
5	V07256	End Plate 1"	2
6	V07258A*	Ball Seat	2
7	V07264*	Valve Body O-Ring FKM(viton type)	2
8	V07159*	Upper Stem Bushing	1
9	V07060*	Thrust Washer	1
10	V07017	1/4" x 3" S.S. Body Bolt	4
11	V07018	1/4" S.S. Lock Washer	4
12	V07019	1/4" S.S. Nut	4
13	V10020A	#10 x 3/4" S.S. Handle Bolt	1
14	V07021A	S.S. Handle Washer	1
15	V07163*	Stem O-Ring FKM (viton type)	1
N/S	V07200	Valve Repair Kit	1

REPLACEMENT PARTS V100FP – V125			
ITEM	PART NO.	DESCRIPTION	QTY.
1	V10151A	Stem	1
2	V10153A	Handle	1
3	V10254	Valve Body	1
4	V10155*	Valve Ball	1
5	V10257	End Plate 1" Full Port	2
5	V10256	End Plate 1 1/4"	2
6	V10258A*	Ball Seat	2
7	V10264	Valve Body O-Ring FKM(viton type)	2
8	V10159*	Upper Stem Bushing	1
9	V10060*	Thrust Washer	1
10	V10117	5/16" x 3 1/2" S.S. Body Bolt	4
11	V10118	5/16" S.S. Lock Washer	4
12	V10119	5/16" S.S. Nut	4
13	V10020A	#10 x 3/4" S.S. Handle Bolt	1
14	V07021A	S.S. Handle Washer	1
15	V10163*	Stem O-Ring FKM (viton type)	1
N/S	V10200	Valve Repair Kit	1
N/S	V10270	Straight Mounting Bracket	1
N/S	V10271	90° Mounting Bracket	1

***Valve Repair Kits Contain Items Marked With Asterisk :**

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



DIMENSION CHART IN INCHES (REFER TO DRAWING ABOVE)

PART NO.	DESCRIPTION	A	B	C	D	E
V050	Valve – Full Port	3.44	3.37	2.06	1.25	2.50
V075	Valve – Full Port	3.44	3.37	2.06	1.25	2.50
V100	Valve – Standard Port	3.44	3.37	2.06	1.25	2.50
V100FP	Valve – Full Port	4.19	3.31	2.44	1.81	3.50
V125	Valve – Standard Port	4.19	3.31	2.44	1.81	3.50
V125FP	Valve – Full Port	4.72	5.90	2.70	1.92	3.50
V150	Valve – Full Port	4.72	5.90	2.70	1.92	3.50
V200	Valve – Standard Port	4.72	5.90	2.70	1.92	3.50

REPLACEMENT PARTS V125FP – V150 – V200			
ITEM	PART NO.	DESCRIPTION	QTY.
1	V20151M	Stem	1
2	V20153	Handle	1
2	V20353T	T-Handle	1
N/S	V20353C	1 1/8" Plug for T-Handle (Cap Plug)	1
3	V20254	Valve Body	1
4	V20255A*	Valve Ball	1
5	V20256	2" End Plate	2
5	V20257	1 1/2" End Plate	2
5	V20267	1 1/4" End Plate Full Port	2
6	V20258A*	Ball Seat	2
7	V20264*	Valve Body O-Ring FKM(viton type)	2
8	V20159*	Upper Stem Bushing	1
9	V20060*	Thrust Washer	1
10	V20017	3/8" x 4" S.S. Body Bolt	4
11	V20018	3/8" S.S. Lock Washer	4
12	V20019	3/8" S.S. Nut	4
13	V20020	1/4" x 1/2" S.S. Handle Bolt	1
14	V20021	S.S. Handle Washer	1
15	V20163*	Stem O-Ring FKM(viton type)	1
N/S	V20200	Valve Repair Kit	1

Polypropylene Bolted Ball Valves

FEATURES

- FKM (viton type) seals.
- PTFE self-lubricating stem bushings and seats cannot stick or bind.
- Precision molded in polypropylene.
- Polypropylene is reinforced with fiberglass for additional strength.
- Self-aligning ball moves freely against the PTFE seats for smooth operation.
- 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.



6 BOLT VALVES

PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QUANTITY
V200FP	Valve — Full Port	150	2"	2"	8/per box
V300	Valve — Standard Port	100	3"	2½"	8/per box
V300FP	Valve — Full Port	100	3"	3"	6/per box
V400	Valve — Standard Port	75	4"	3½"	4/per box



6 BOLT VALVES W/ "F" ADAPTER

PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QUANTITY
VFMT200FP	Valve — Full Port w/"F" Adapter	150	2"	2"	6/per box
VFMT200FPSH	Valve — Full Port w/"F" Adapter	150	2"	2"	6/per box

VFMT200FP
(shown w/long handle)

ACCESSORIES

PART NO.	DESCRIPTION	VALVE USED
VL25153	Locking Device	V200FP, V300, V300FP, V400, VFMT200FP, VFMT200FPSH
V25271	90° Mounting Bracket	V200FP, V300, V300FP, V400, VFMT200FP, VFMT200FPSH
V25270	Straight Mounting Bracket	V200FP, V300, V300FP, V400, VFMT200FP, VFMT200FPSH
V25153SH	Short Handle	VFMT200FPSH Only

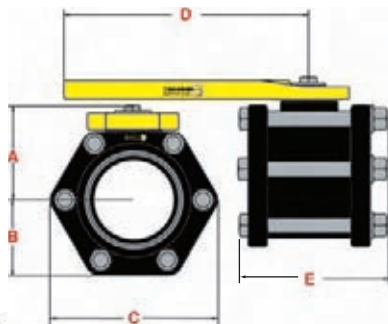


LOCKING HANDLE FEATURES

- Stainless Steel Hardware.
- Locks in open and closed positions.
- Locking handle replaces standard handle.
- Padlock not included.
- Available for valves V200FP, V300, V300FP, V400, VFMT200FP, VFMT200FPSH.



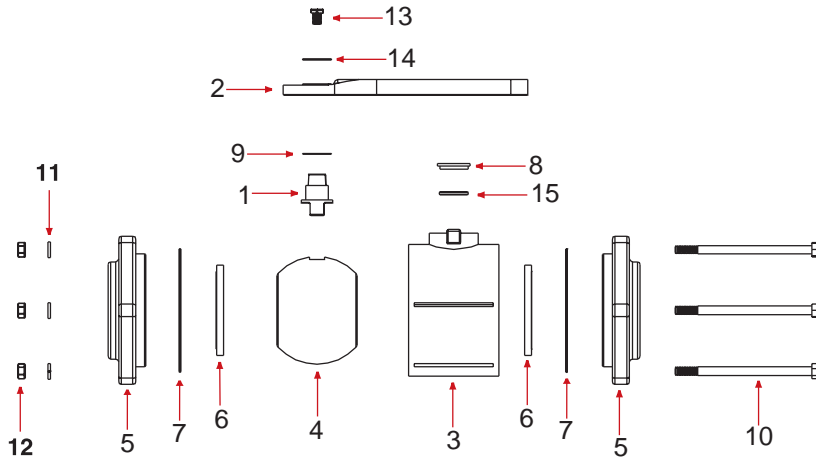
VL25153



DIMENSION CHART IN INCHES (REFER TO DRAWING ON LEFT)

PART NO.	DESCRIPTION	A	B	C	D	E
V200FP	Valve — Full Port	3.25	2.38	5.44	9.25	5.50
V300	Valve — Standard	3.53	2.69	6.28	9.25	6.06
V300FP	Valve — Full Port	4.25	3.25	7.35	9.25	6.40
V400	Valve — Standard Port	4.50	3.60	8.19	9.25	7.88
VFMT200FP	Valve — Full Port	3.38	2.38	5.44	9.25	8.30
VFMT200FPSH	Valve — Full Port	3.38	2.38	5.44	5.25	8.30





REPLACEMENT PARTS V200FP - VFMT200FP - VFMT200FPSH - V300 - V300FP - V400			
ITEM	PART NO.	DESCRIPTION	QTY.
1	V25151B	Stem	1
2	V25153	Handle	1
8	V25160*	Upper Stem Bushing	1
9	V25060*	Thrust Washer	1
11	V20018	3/8" S.S. Lock Washer	6
12	V20019	3/8" S.S. Nut	6
13	V25020	3/8" x 1/2" S.S. Handle Bolt	1
14	V25121	S.S. Handle Washer	1
15	V25163*	Stem O-Ring FKM (Viton Type)	1
N/S	VL25153	Locking Handle (Padlock not included)	1
N/S	V25271	90° Mounting Bracket Fits V150, V200, V200FP, V300 & V300FP	1
N/S	V25270	Straight Mounting Bracket Fits V150, V200, V200FP, V300 & V300FP	1

***Valve Repair Kits Contain Items Marked With Asterisk :**

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

REPLACEMENT PARTS -V300			
ITEM	PART NO.	DESCRIPTION	QTY.
3	V30254	Valve Body	1
4	V30255*	Valve Ball	1
5	V30264	3" End Plate	2
6	V30258A*	Ball Seat	2
7	V30265*	Valve Body O-Ring FKM (Viton Type)	2
10	V30017	3/8" x 5" S.S. Body Bolt	6
N/S	V30200	Valve Repair Kit	1

REPLACEMENT PARTS -V300FP			
ITEM	PART NO.	DESCRIPTION	QTY.
3	V35254	Valve Body	1
4	V35255A*	Valve Ball	1
5	V35264	3" FP End Plate	2
6	V35258A*	Ball Seat	2
7	V35265*	Valve Body O-Ring FKM (Viton Type)	2
10	V35017	3/8" x 6" S.S. Body Bolt	6
N/S	V35200	Valve Repair Kit	1

REPLACEMENT PARTS V200FP - VFMT200FP - VFMT200FPSH			
ITEM	PART NO.	DESCRIPTION	QTY.
5	V25153SH	Short Handle for VFMT200FPSH	1
3	V25254	Valve Body	1
4	V25255A*	Valve Ball	1
5	V25256	End Plate 2" Female NPT	2
5	VMT25256	End Plate 2" Male NPT	1
5	VF25256	End Plate 2" Male Adapter	1
6	V25258A*	Ball Seat	2
7	V25264*	Valve Body O-Ring FKM (Viton Type)	2
10	V25017	3/8" x 4 1/2" S.S. Body Bolt	6
N/S	V25200	Valve Repair Kit	1

REPLACEMENT PARTS -V400			
ITEM	PART NO.	DESCRIPTION	QTY.
3	V40254	Valve Body	1
4	V40255*	Valve Ball	1
5&6	V40264	End Plate w/PTFE Ball Seat	2
7	V40265*	Valve Body O-Ring FKM (viton type)	2
10	V40017	3/8" x 7 1/2" SS Body Bolt	6
N/S	V40200	Valve Repair Kit	1

VALVES

2" Full Port Polypropylene Bolted Ball Valves

FEATURES

- FKM (viton type) seals.
- Stainless steel bolts.
- PTFE self-lubricating stem bushings and seats cannot stick or bind.
- Precision molded in polypropylene.
- Polypropylene is reinforced with fiberglass for additional strength.
- Self-aligning ball moves freely against the PTFE seats for smooth operation.
- 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.
- Maximum operating pressure 150 P.S.I. @ 70°F & 75 P.S.I. @ 150°F.



4 BOLT FULL PORT VALVES

PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QUANTITY
VFMT204FP	2" Valve-Male NPT X Male Adapter	150	2"	2"	6/per box
V204FP	Valve — Full Port	150	2"	2"	8/per box

2" Full Port ANSI Flange Ball Valves

FEATURES

- 100% PTFE seats.
- FKM (viton type) Seals.
- Glass-filled polypropylene.
- Unique compact design.
- Lightweight.
- Maximum operating pressure 100 P.S.I. @ 70°F & 75 P.S.I. @ 150°F.



ANSI FLANGE 6 BOLT VALVES

PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QUANTITY
VSF200FPAF	2" Male Adapter X 2" ANSI Flange	100	2"	2"	6/per box
VSMT200FPAF	2" Male NPT X 2" ANSI Flange	100	2"	2"	6/per box
AF200G	2" ANSI Flange Gasket - EPDM	Sold Separately			
AF200GV	2" ANSI Flange Gasket FKM (viton type)	Sold Separately			

ANSI Flange Gasket





REPLACEMENT PARTS -VFMT204FP			
PART NO.	DESCRIPTION	QTY.	
VF25356	Male Adapter, End Plate 2" FP Valve	1	
VMT25356	MPT End Plate for 4-Bolt 2" FP	1	
V20018	3/8" S.S. Lock Washer	4	
V20019	3/8" S.S. Body Nut	4	
V25017	3/8" x 4 1/2" S.S. Body Bolt	4	
V25060	Thrust Bushing	1	
V25151B	Stem 2" FP, 3" FP & 4"-Machined	1	
V25153	Valve Handle for 2-3 & 4" FP	1	
V25254	Valve Body 2" FP New Style	1	

REPLACEMENT PARTS -V204FP			
PART NO.	DESCRIPTION	QTY.	
V25456	2" Full Port 4-Bolt Endplate	2	
V20018	3/8" S.S. Lock Washer	4	
V20019	3/8" S.S. Body Nut	4	
V25017	3/8" x 4 1/2" S.S. Body Bolt	4	
V25060	Thrust Bushing	1	
V25151B	Stem 2" FP, 3" FP & 4"-Machined	1	
V25153	Valve Handle for 2-3 & 4" FP	1	
V25254	Valve Body 2" FP New Style	1	

REPLACEMENT PARTS VFMT204FP - VSF200FPAF - V204FP - VSMT200FPAF			
PART NO.	DESCRIPTION	QTY.	
V25020	3/8" x 1/2" Handle Bolt	1	
V25121	Handle Washer 2" FP-3"	1	
V25160	Upper Stem Bushing 2 & 3 FP, 4"	1	
V25163	Stem O-Ring FKM (viton type) 2 & 3 FP, 4"	1	
V25255A	New Style Ball 2" FP	1	
V25258A	2" FP Valve Ball Seat	2	
V25264	Valve Body O-Ring FKM (viton type)	2	



REPLACEMENT PARTS -VSF200FPAF			
PART NO.	DESCRIPTION	QTY.	
VF25256	2" FP "F" End Plate	1	
VS25151B	New Style Short Stem	1	
V20010	3/8"-16 x 2" Bolt Zinc Plated	6	
V20018	3/8" S.S. Lock Washer	6	
V20019	3/8" S.S. Body Nut	6	
V25153SH	Regular Handle-Straight	1	
V25245	2" FP ANSI Flange Body	1	

REPLACEMENT PARTS -VSMT200FPAF			
PART NO.	DESCRIPTION	QTY.	
VMT25256	2" FP End Plate w/Male Pipe Thread	1	
VS25151B	New Style Short Stem	1	
V20010	3/8"-16 x 2" Bolt Zinc Plated	6	
V20018	3/8" S.S. Lock Washer	6	
V20019	3/8" S.S. Body Nut	6	
V25153SH	Regular Handle-Straight	1	
V25245	2" FP ANSI Flange Body	1	

2" Standard Port Ball Valves

PATENTED

“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.
- All PTFE Seals.

VSF200



VSMT200



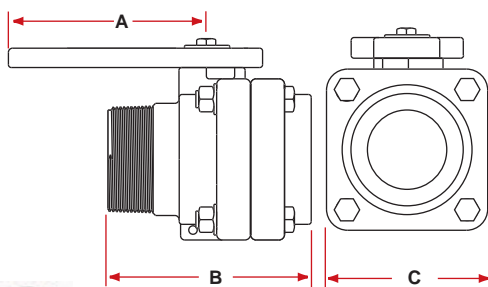
VSFMT200



VSFHB200



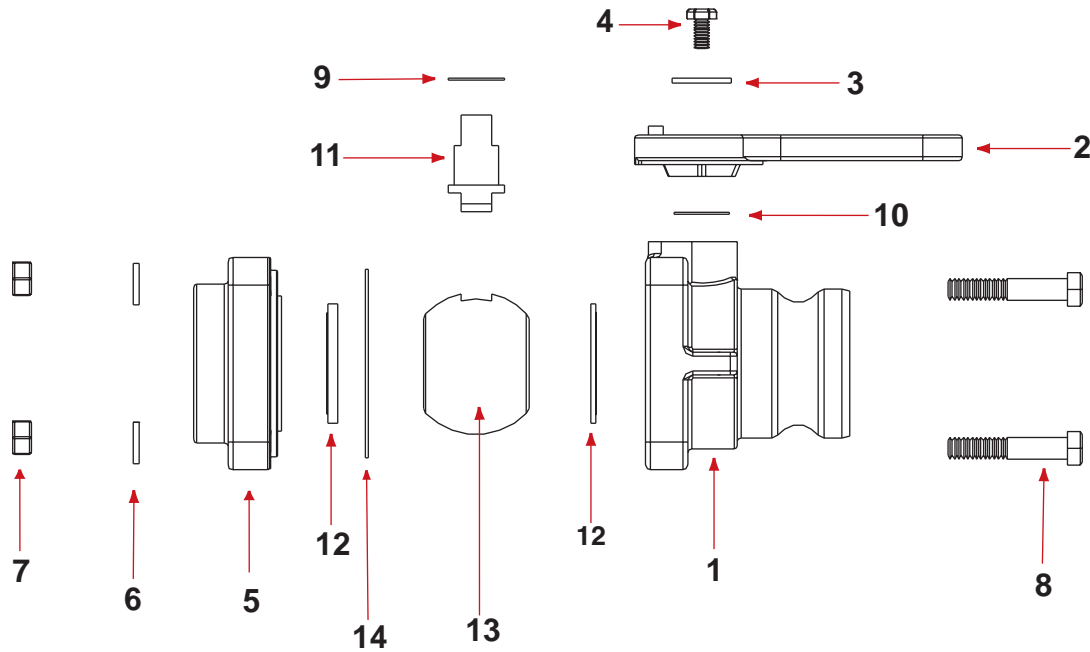
PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QUANTITY
VSF200	2" Male Adapter X 2" Female NPT	100	2"	1½"	24/per box
VSMT200	2" Male NPT X 2" Female NPT	100	2"	1½"	24/per box
VSFMT200	2" Male Adapter X 2" Male NPT	100	2"	1½"	24/per box
VSFHB200	2" Male Adapter X 2" Hose Barb	100	2"	1½"	24/per box



DIMENSION CHART IN INCHES (REFER TO DRAWING ON LEFT)

PART NO.	DESCRIPTION	A	B	C
VSF200	2" Male Adapter X 2" Female NPT	4.38	4.72	3.56
VSMT200	2" Male NPT X 2" Female NPT	4.38	4.50	3.56
VSFMT200	2" Male Adapter X 2" Male NPT	4.38	5.88	3.56
VSFHB200	2" Male Adapter X 2" Hose Barb	4.38	6.90	3.56





***Valve Repair Kits Contain Items Marked With Asterisk:**
 1 Ball
 2 Ball Seats
 1 Body Gasket
 1 Thrust Washer

NOTE: End Plates and body style may vary from picture.

REPLACEMENT PARTS VSF200 - VSMT200 - VSFMT200 - VSFHB200				
ITEM	PART NO.	DESCRIPTION	QTY.	
2	VS20152SH	2" Short Style Handle	1	
3	V20021	Handle Washer	1	
4	V20020	Handle Bolt	1	
6	V20018	Lock Washer	4	
7	V20019	Body Nut	4	
8	V20010SS	Body Bolt	4	
9	V20060	Upper Stem Bushing	1	
10	V20060*	Thrust Bearing	1	
11	VS20151	Stem	1	
12	VS20258A*	Seat	2	
13	VS20255*	Ball	1	
14	V21204*	Body Gasket	1	
N/S	VS20200*	Repair Kit	1	



REPLACEMENT PARTS VSF200 - VSFMT200				
ITEM	PART NO.	DESCRIPTION	QTY.	
1	VF22254	2" "F" Style Body	1	
5	VSMT20256	2" Male NPT End Plate	1	



REPLACEMENT PARTS - VSFHB200				
ITEM	PART NO.	DESCRIPTION	QTY.	
1	VF22254	2" "F" Style Body	1	
5	VSHB20256	2" Hose Barb End Plate	1	



REPLACEMENT PARTS -VSMT200				
ITEM	PART NO.	DESCRIPTION	QTY.	
1	VMT22254	2" Male NPT Style Body	1	
5	VS20256	2" Female End Plate	1	

2" Full Port Ball Valves

PATENTED

“Stubby Valve”™

FEATURES

- Stainless steel bolts.
- 100% PTFE ball seats.
- Glass-filled polypropylene.
- FKM (viton type) Body Seals.
- Unique compact design.
- 100 P.S.I. @ 70°F and 75 P.S.I. @ 150°F.
- Lightweight.

VSMT204FP



VSF204FP



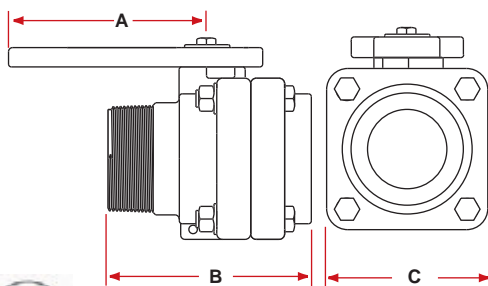
VS204FP



VSFMT204FP



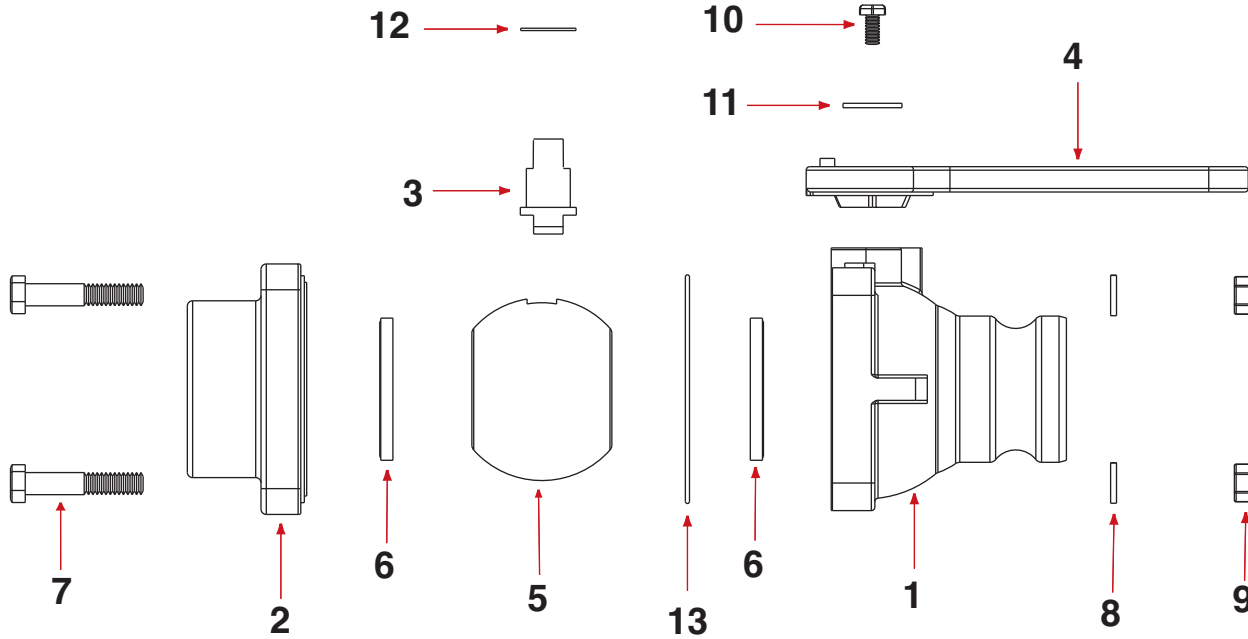
PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QUANTITY
VSMT204FP	2" Male NPT X 2" Female NPT	100	2"	2"	18/per box
VSF204FP	2" Male Adapter X 2" Female NPT	100	2"	2"	18/per box
VS204FP	2" Female NPT X 2" Female NPT	100	2"	2"	18/per box
VSFMT204FP	2" Male Adapter X 2" Male NPT	100	2"	2"	18/per box



DIMENSION CHART IN INCHES (REFER TO DRAWING ON LEFT)

PART NO.	DESCRIPTION	A	B	C
VSMT204FP	2" Male NPT X 2" Female NPT	6.38	5.72	4.25
VSF204FP	2" Male Adapter X 2" Female NPT	6.38	5.91	4.25
VS204FP	2" Female NPT X 2" Female NPT	6.38	5.19	4.25
VSFMT204FP	2" Male Adapter X 2" Male NPT	6.38	6.50	4.25





REPLACEMENT PARTS VSMT204FP - VS204FP - VSF204FP - VSFMT204FP				
ITEM	PART NO.	DESCRIPTION	QTY.	
2	VSMT25356	2" FP Stubby MPT 4 Bolt EP	1	
3	VS20151	Stem	1	
4	VS25153	2" FP Stubby Handle	1	
5	VS25255	2" FP Stubby Ball - Machined	1	
6	VS25258AR1	2" FP Stubby Valve Seat	2	
7	V20010SS	3/8" - 16 x 2" S.S. Bolt	4	
8	V20018	3/8" S.S. Lock Washer	4	
9	V20019	3/8" S.S. Body Nut	4	
10	V20020	Retaining Bolt	1	
11	V20021	Flat Handle Washer	1	
12	V20060	PFTE Bearing - Gasket	2	
13	V25214V	FKM (viton type) Valve Body Seal	1	

NOTE: End Plates and body style may vary from picture.

REMEMBER
TO READ OUR "NOTES" & CHECK OUR *ASTERISK NOTATIONS FOR ADDED ASSISTANCE!



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REPLACEMENT PARTS -VSMT204FP				
ITEM	PART NO.	DESCRIPTION	QTY.	
1	VFT25254	2" FP Stubby Female NPT Body	1	
2	VSMT25356	2" FP Stubby 4 Bolt MPT End Plate	1	



REPLACEMENT PARTS -VSF204FP				
ITEM	PART NO.	DESCRIPTION	QTY.	
1	VF25254	2" FP Stubby Male Quick Connect Body	1	
2	VS25356	2" FP Stubby Female NPT Endplate	1	



REPLACEMENT PARTS -VS204FP				
ITEM	PART NO.	DESCRIPTION	QTY.	
1	VFT25254	2" FP Stubby Male Quick Connect Body	1	
2	VSMT25356	2" FP Stubby 4 Bolt MPT End Plate	1	



REPLACEMENT PARTS -VSFMT204FP				
ITEM	PART NO.	DESCRIPTION	QTY.	
1	VFT25254	2" FP Stubby Female NPT Body	1	
2	VS25356	2" FP Stubby 4 Bolt NPT End Plate	1	

3" Standard Port Ball Valves

PATENTED

"3" Stubby Valve™

FEATURES

- Stainless steel bolts.
- Glass filled polypropylene.
- FKM (viton type) body seals.
- Five design options.
- Unique patented compact design.
- 100 P.S.I. @ 70°F and 75 P.S.I. @ 150°F.
- Lightweight.
- All PTFE Seals.

MVSF300



MVSMT300



VSMT300



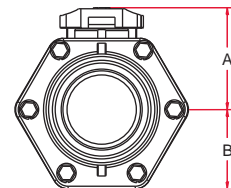
VSF300



VSFMT300

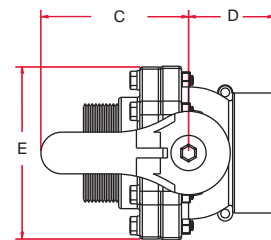


PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QUANTITY
MVSF300	3" Manifold Flange X 3" Male Adapter	100	3"	2½"	6/per box
MVSMT300	3" Manifold Flange X 3" Male NPT	100	3"	2½"	8/per box
VSMT300	3" Female NPT X 3" Male NPT	100	3"	2½"	6/per box
VSF300	3" Female NPT X 3" Male Adapter	100	3"	2½"	6/per box
VSFMT300	3" Male NPT X 3" Male Adapter	100	3"	2½"	6/per box



DIMENSION CHART IN INCHES (REFER TO DRAWING ON RIGHT)

PART NO.	DESCRIPTION	A	B	C*	D	E
MVSF300	3" Manifold Flange X 3" Male Adapter	3.63	2.84	5.25/9.25	4.60	5.02
MVSMT300	3" Manifold Flange X 3" Male NPT	3.63	2.84	5.25/9.25	4.60	4.45
VSMT300	3" Female NPT X 3" Male NPT	3.63	2.84	5.25/9.25	4.60	5.09
VSF300	3" Female NPT X 3" Male Adapter	3.63	2.84	5.25/9.25	4.60	5.65
VSFMT300	3" Male NPT X 3" Male Adapter	3.63	2.84	5.25/9.25	4.60	7.84



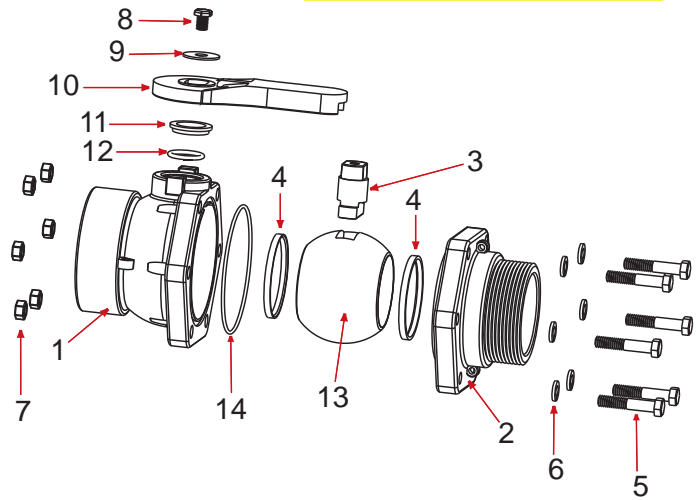
*Short handles: Add SH to end of part number. Dimension C = 5.25".



NOTE: End Plates and body style may vary from picture.

REPLACEMENT PARTS - MVSF300 - MVSMT300- VSMT300 - VSF300 - VSFMT300

ITEM	PART NO.	DESCRIPTION	QTY.
3	VS25151B	New Style Short Stem	1
4	VS30258*	3" Stubby Valve Seat	2
5	V20010SS	3/8" - 16 x 2" S.S. Bolt	6
6	V20018	3/8" S.S. Lock Washer	6
7	V20019	3/8" S.S. Body Nut	6
8	V25020	3/8" x 1/2" Handle Bolt	1
9	V25121	Handle Washer 2" FP-3"	1
10	V25153	Regular Handle-Straight	1
11	V25160*	Upper Stem Bushing 2 & 3 FP, 4	1
12	V25163*	Stem O-Ring FKM (viton type) 2 & 3 FP, 4	1
13	VS30255*	Valve Ball 3" New Style	1
14	V30265*	Valve Body O-Ring FKM (viton type) 3"	1



REPLACEMENT PARTS - MVSF300

ITEM	PART NO.	DESCRIPTION	QTY.
1	MVS30254	3" Stubby Body w/Manifold Flange	1
2	VSF30264	3" Stubby Valve "F" Endplate	1



REPLACEMENT PARTS - VSF300

ITEM	PART NO.	DESCRIPTION	QTY.
1	VS30254	3" Stubby Body	1
2	VSF30264	3" Stubby Valve "F" Endplate	1



REPLACEMENT PARTS - MVSMT300

ITEM	PART NO.	DESCRIPTION	QTY.
1	MVS30254	3" Stubby Body w/Manifold Flange	1
2	VSMT30264	3" Stubby Valve Male NPT Endplate	1



REPLACEMENT PARTS - VSFMT300

ITEM	PART NO.	DESCRIPTION	QTY.
1	VSMT30254	3" MT Stubby Body	1
2	VSF30264	3" Stubby Valve "F" Endplate	1



REPLACEMENT PARTS - VSMT300

ITEM	PART NO.	DESCRIPTION	QTY.
1	VS30254	3" Stubby Body	1
2	VSMT30264	3" Stubby Valve Male NPT Endplate	1

***Valve Repair Kits Contain Items Marked With Asterisk :**
 1 Ball 2 Body O-Rings
 2 Ball Seats 1 Upper Stem Bushing 1 Stem O-Ring

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 PTFE seats for smooth operation.
- Ball is diamond turned, after molding, to make it spherically perfect, which provides precise contact between ball and seats.
- FKM (viton type) seats.
- PTFE self-lubricating stem bushings and seats.
- Maximum operating pressure 100 P.S.I.



See handle chart below.

PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QUANTITY PER BOX	HANDLE TYPE	
V075BL	3/4" 3-Way Bottom Load Poly Valve	100	3/4"	1"	18/Per Box	T	
V100BL	1" 3-Way Bottom Load Poly Valve	100	1"	1"	18/Per Box	T	
V125BL	1 1/4" 3-Way Bottom Load Poly Valve	100	1 1/4"	1 1/2"	12/Per Box	T	
V150BL	1 1/2" 3-Way Bottom Load Poly Valve	100	1 1/2"	1 1/2"	12/Per Box	T	
V200BL	2" 3-Way Bottom Load Poly Valve	100	2"	2"	8/Per Box	Straight	

BOTTOM LOAD

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



See handle chart below.

PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QUANTITY PER BOX	HANDLE TYPE	
V075SL	3/4" 3-Way Side Load Poly Valve	100	3/4"	1"	18/Per Box	Straight	
V100SL	1" 3-Way Side Load Poly Valve	100	1"	1"	18/Per Box	Straight	
V125SL	1 1/4" 3-Way Side Load Poly Valve	100	1 1/4"	1 1/2"	12/Per Box	T	
V150SL	1 1/2" 3-Way Side Load Poly Valve	100	1 1/2"	1 1/2"	12/Per Box	T	
V200SL	2" 3-Way Side Load Poly Valve	100	2"	2"	8/Per Box	Straight	

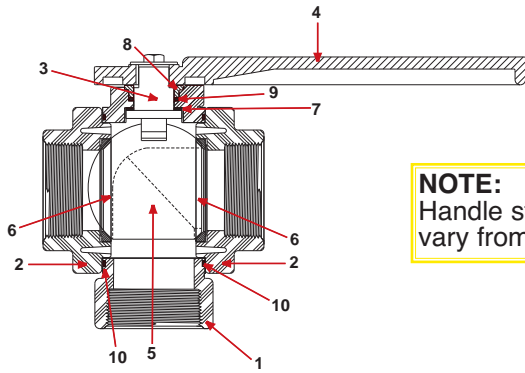
SIDE LOAD

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

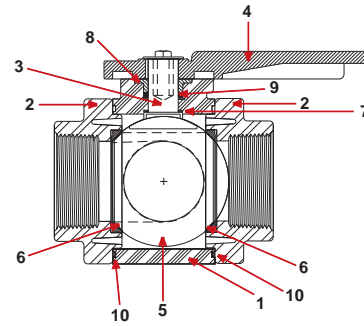
THREADED SIDE & BOTTOM LOAD WITH OPTIONAL HANDLE

PART NO.	STANDARD HANDLE	OPTIONAL VALVE PART NO.	OPTIONAL HANDLE PART NO.
V075SL	V10153A (straight)	VT075SL - Non-Stock Item	V10353S (t-handle)
V100SL	V10153A (straight)	VT100SL - Non Stock Item	V10353TS (t-handle)
V125SL	V20353TS (t-handle)	VT125SL - Non Stock Item	V20153 (straight)
V150SL	V20353TS (t-handle)	VT150SL - Non Stock Item	V20153 (straight)
V200SL	V25153SH (straight)	VT200SL - Non Stock Item	V25353TS (t-handle)
V200BL	V25353B (straight)	VT200BL - Non-Stock Item	V25353TB (t-handle)





NOTE:
Handle style will vary from picture.



Bottom Load 3-Way Poly Ball Valves

REPLACEMENT PARTS – V075BL – V100BL				
ITEM	PART NO.	DESCRIPTION	QTY.	
1	V07354B	3/4" Valve Body	1	
1	V10354B	1" Valve Body	1	
2	V07357	3/4" End Plate	2	
2	V10257	1" End Plate	2	
3	V10151A	Stem	1	
4	V10353TB	Handle - T	1	
5	V10355B	Ball	1	
6	V10258	Ball Seats	2	
7	V10060	Thrust Bushing	1	
8	V10159	Upper Stem Bushing	1	
9	V10163	Stem O-Ring – FKM (viton type)	1	
10	V10264	Valve Body O-Ring-FKM (viton type)	2	

Side Load 3-Way Poly Ball Valves

REPLACEMENT PARTS –V075SL – V100SL				
ITEM	PART NO.	DESCRIPTION	QTY.	
1	V07354S	3/4" Valve Body	1	
1	V10354S	1" Valve Body	1	
2	V07357	3/4" End Plate	2	
2	V10257	1" End Plate	2	
3	V10151A	Stem	1	
4	V10153A	Handle - Straight	1	
5	V10355S	Ball	1	
6	V10258	Ball Seats	2	
7	V10060	Thrust Bushing	1	
8	V10159	Upper Stem Bushing	1	
9	V10163	Stem O-Ring – FKM (viton type)	1	
10	V10264	Valve Body O-Ring-FKM (viton type)	2	

REPLACEMENT PARTS – V125BL – V150BL				
ITEM	PART NO.	DESCRIPTION	QTY.	
1	V20344B	1 1/4" Valve Body	1	
1	V20354B	1 1/2" Valve Body	1	
2	V20267	1 1/4" End Plate	2	
2	V20257	1 1/2" End Plate	2	
3	V20151M	Stem	1	
4	V20353TB	Handle - T	1	
5	V20355B	Ball	1	
6	V20258	Ball Seats	2	
7	V20060	Thrust Bushing	1	
8	V20159	Upper Stem Bushing	1	
9	V20163	Stem O-Ring – FKM (viton type)	1	
10	V20264	Valve Body O-Ring-FKM (viton type)	2	

REPLACEMENT PARTS – V125SL – V150SL				
ITEM	PART NO.	DESCRIPTION	QTY.	
1	V20344S	1 1/4" Valve Body	1	
1	V20354S	1 1/2" Valve Body	1	
2	V20267	1 1/4" End Plate	2	
2	V20257	1 1/2" End Plate	2	
3	V20151M	Stem	1	
4	V20353TS	Handle - T	1	
5	V20355S	Ball	1	
6	V20258	Ball Seats	2	
7	V20060	Thrust Bushing	1	
8	V20159	Upper Stem Bushing	1	
9	V20163	Stem O-Ring – FKM (viton type)	1	
10	V20264	Valve Body O-Ring-FKM (viton type)	2	

REPLACEMENT PARTS – V200BL				
ITEM	PART NO.	DESCRIPTION	QTY.	
1	V25354B	2" Valve Body	1	
2	V25356	2" End Plate	2	
3	V25151B	Stem	1	
4	V25353B	Handle - Straight	1	
5	V25355B	Ball	1	
6	V25258	Ball Seats	2	
7	V25060	Thrust Bushing	1	
8	V25160	Upper Stem Bushing	1	
9	V25163	Stem O-Ring – FKM (viton type)	1	
10	V25264	Valve Body O-Ring-FKM (viton type)	2	

REPLACEMENT PARTS – V200SL				
ITEM	PART NO.	DESCRIPTION	QTY.	
1	V25354S	Valve Body	1	
2	V25356	End Plate	2	
3	V25151B	Stem	1	
4	V25153SH	Handle – Straight	1	
5	V25355S	Ball	1	
6	V25258	Ball Seats	2	
7	V25060	Thrust Bushing	1	
8	V25160	Upper Stem Bushing	1	
9	V25163	Stem O-Ring – FKM (viton type)	1	
10	V25264	Valve Body O-Ring-FKM (viton type)	2	

Polypropylene Nozzle Valves

FEATURES

- Lightweight hose end valve for convenient transfer of liquids into drums, tanks, etc.
- Angled end flange with 8" long polypropylene fill spout.
- All Stainless Bolts.



PART NO.	DESCRIPTION	FEMALE NPT	PIPE SIZE	OPENING THRU BALL	QUANTITY PER BOX	MAX PSI
VA150	1 1/2" Nozzle Valve with 90° Elbow	1 1/2"	1 1/2" x 8"	1 1/2"	12/Per Box	150
VA200/150	2" X 1 1/2" Nozzle Valve w/ 90° Elbow	2" X 1 1/2"	1 1/2" x 8"	1 1/2"	12/Per Box	150
VA200	2" Nozzle Valve with 90° Elbow	2"	2" X 8"	1 1/2"	12/Per Box	150
VA200FP	2" FP Nozzle Valve with 90° Elbow	2"	2" X 8"	2 1/16"	6/Per Box	150
V25165	2" Nozzle Pipe Only (VA200 & VA200FP)	N/A	8"	N/A	N/A	N/A
V20166	1 1/2" Nozzle Pipe Only (VA150 & VA200150)	N/A	8"	N/A	N/A	N/A

FEATURES

- Lightweight hose end valve for convenient transfer of liquids into drums, tanks, etc.
- Angled end flange with 8" long polypropylene fill spout.
- All Stainless Bolts.



PART NO.	DESCRIPTION	FEMALE NPT	PIPE SIZE	OPENING THRU BALL	QUANTITY PER BOX	MAX PSI
VA100	1" Nozzle Valve with 45° Elbow	1"	1"	3/4"	24/per box	150
UVA100FP	1" FP EPDM Nozzle Valve w/45° Elbow	1"	1"	1"	1pc.	100
V10161	1" Poly Nozzle Pipe (VA100 & UVA100FP)	N/A	1"	N/A	N/A	N/A

Poly Dispensing Nozzle

FEATURES

- Glass filled polypropylene.
- Stainless steel handle, spring and pin.
- FKM (viton type) rubber parts only.
- Resists corrosion.
- Padlock capability.
- 75 P.S.I. Maximum.



PART NO.	DESCRIPTION	FEMALE NPT	PIPE SIZE	OPENING THRU BALL	QUANTITY
VN100	1" Poly Dispensing Nozzle	1"	1"	N/A	1 pc.



REPLACEMENT PARTS - VA200FP			
PART NO.	DESCRIPTION	QTY.	
V25151B	Stem	1	
V25152	Red Angle Handle	1	
V25254	Valve Body	1	
V25255A*	Valve Ball	1	
V25256	End Plate 2" FPT	2	
V25261	Angle End Flange 2" FP	1	
V25258A*	Ball Seat	2	
V25264*	Valve Body O-Ring FKM (viton type)	2	
V25160*	Upper Stem Bushing	1	
V25060*	Thrust Washer	1	
V25163*	Stem O-Ring FKM (viton type)	1	
V25017	3/8" x 4 1/2" S.S. Body Bolt	6	
V20018	3/8" S.S. Washer	6	
V20019	3/8" S.S. Nut	6	
V25020	3/8" x 1 1/2" S.S. Handle Bolt	1	
V25121	S.S. Handle Washer	1	
V25165	Nozzle Pipe 2" x 8"	1	
V25200	Valve Repair Kit	1	



REPLACEMENT PARTS - VA100			
PART NO.	DESCRIPTION	QTY.	
V07151A	Stem	1	
V10153A	Handle	1	
V07254	Valve Body	1	
V07155*	Valve Ball	1	
V07256	End Plate 1"	2	
V07258A*	Ball Seat	2	
V07264*	Valve Body O-Ring FKM (viton type)	2	
V07159*	Upper Stem Bushing	1	
V07060*	Thrust Washer	1	
V07163*	Stem O-Ring FKM (viton type)	1	
V07017	1/4" x 3" S.S. Body Bolt	4	
V07018	1/4" S.S. Lock Washer	4	
V07019	1/4" S.S. Nut	4	
V10020A	#10 X 1 1/4" S.S. Handle Bolt	1	
V07021A	S.S. Handle Washer	1	
V10161	1" Poly Nozzle Pipe	1	
V07200	Valve Repair Kit	1	



REPLACEMENT PARTS - VA150 – VA200-VA200/150			
PART NO.	DESCRIPTION	QTY.	
V20151M	Stem	1	
V20152	Red Angle Handle	1	
V20254	Valve Body	1	
V20255A*	Valve Ball	1	
V20256	2" End Plate	2	
V20257	1 1/2" End Plate	2	
V20258A*	Ball Seat	2	
V20264*	Valve Body O-Ring FKM (viton type)	2	
V20159*	Upper Stem Bushing	1	
V20060*	Thrust Washer	1	
V20261	Angle End Flange 2"	1	
V20262	Angle End Flange 1 1/2"	1	
V20163*	Stem O-Ring FKM (viton type)	1	
V20166	Nozzle Pipe 1 1/2" x 8"	1	
V25165	Nozzle Pipe 2" x 8"	1	
V20017	3/8" x 4" S.S. Body Bolt	4	
V20018	3/8" S.S. Lock Washer	4	
V20019	3/8" S.S. Nut	4	
V20020	1/4" x 1 1/2" S.S. Handle Bolt	1	
V20021	S.S. Handle Washer	1	
V20200	Valve Repair Kit	1	



REPLACEMENT PARTS - UVA100FP			
PART NO.	DESCRIPTION	QTY.	
UV10150	1" Union End Cap	1	
UV10151	1" Union Stem	1	
UV10153	1" Union Handle	1	
UV10163	1" Union Stem O-Ring (EPDM)	2	
UV10254	1" Union Valve Body	1	
UV10255	1" Union Valve Ball	1	
UV10256	1" Union End Plate	1	
UV10258	1" Union Valve Seat	2	
UV10264	1" Union Body O-Ring (EPDM)	1	
V10161	1" Poly Nozzle Pipe	1	



REPLACEMENT PARTS - VN100			
PART NO.	DESCRIPTION	QTY.	
VN10253	1" Valve Nozzle Handle	1	
VN10254	1" Valve Nozzle Body	1	
VN10263	1" Valve Nozzle Stem O-Ring	2	
VN10264	1" Valve Nozzle Body O-Ring	1	
VN10265	Snap Ring for Valve Nozzle	1	
VN10269	1" Valve Nozzle Plug	1	
VN10270	1" Valve Nozzle Poppet	1	
VN10271	1" Valve Nozzle Gasket	1	
VN10273	1" Valve Nozzle Pin	1	
VN10274	1" Valve Nozzle Spring	1	
VN10200	Repair Kit (Includes Seals, O-Rings, Poppet, Gasket, Spring, Snap Ring)	1	

***Valve Repair Kits Contain Items Marked With Asterisk :**

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

Single Union Polypropylene Ball Valve

FEATURES

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



PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QUANTITY
UV050FP	1/2" Single Union Poly Valve	100	1/2"	3/4"	150/Per Box
UV075FP	3/4" Single Union Poly Valve	100	3/4"	3/4"	150/Per Box
UV100FP	1" Single Union Poly Valve	100	1"	1"	100/Per Box
UV125FP	1 1/4" Single Union Poly Valve	100	1 1/4"	1 1/2"	24/Per Box
UV150FP	1 1/2" Single Union Poly Valve	100	1 1/2"	1 1/2"	24/Per Box
UV200FP	2" Single Union Poly Valve	100	2"	2"	18/Per Box

Spin Weld Polypropylene Ball Valve

FEATURES

- One piece construction.
- Precision molded in durable polypropylene, for strength and chemical resistance.
- PTFE seats for smooth operation and proper sealing characteristics.
- Quality with economy.
- Maximum operating pressure 150 P.S.I. at 70°F.



NPT PART NO.	BSP PART NO.	DESCRIPTION	STEM O-RING	MAX PSI	PIPE SIZE	OPENING THRU BALL
WV050FP	WV050FPB	1/2" Poly Spinweld Valve	EPDM	150	1/2"	1/2"
WV075FP	WV075FPB	3/4" Poly Spinweld Valve	EPDM	150	3/4"	3/4"
WV100FP	WV100FPB	1" Poly Spinweld Valve	EPDM	150	1"	1"
WV125FP	WV125FPB	1 1/4" Poly Spinweld Valve	EPDM	150	1 1/4"	1 1/4"
WV150FP	WV150FPB	1 1/2" Poly Spinweld Valve	EPDM	150	1 1/2"	1 1/2"
WV200FP	WV200FPB	2" Poly Spinweld Valve	EPDM	150	2"	2"



NPT PART NO.	DESCRIPTION	STEM O-RING	MAX PSI	PIPE SIZE	OPENING THRU BALL
WSFMT200	2" Male Adapter x 2" Male NPT Standard Port	Viton	150	2"	1 1/2"
WSFMT200FP	2" Male Adapter x 2" Male NPT Full Port	Viton	150	2"	2"



Poly Air Actuated Shutoff Valves



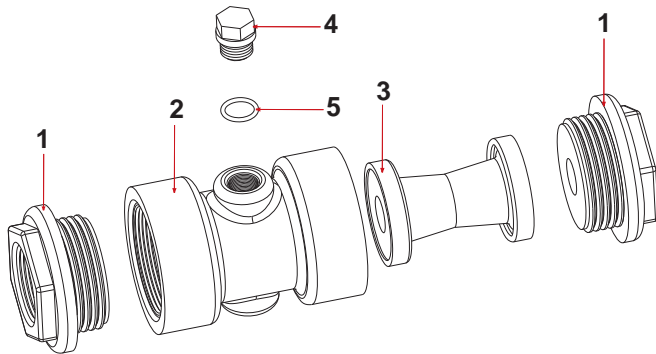
PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	PRESSURE DIFFERENCE	QTY.
PV075	3/4" x 3/4" Poly Pinch Valve -EPDM	70	3/4"	15 to 20 P.S.I.	1
PV075V	3/4" FKM (viton type) Poly Pinch Valve	70	3/4"	15 to 20 P.S.I.	1
PV100	1" x 1" Poly Pinch Valve -EPDM	70	1"	15 to 20 P.S.I.	1
PV100V	1" x 1" FKM (viton type) Pinch Valve	70	1"	15 to 20 P.S.I.	1
PV100-075	1" x 3/4" Poly Pinch Valve -EPDM	70	1" X 3/4"	15 to 20 P.S.I.	1
PV100-075V	1" x 3/4" FKM (viton type) Pinch Valve	70	1" X 3/4"	15 to 20 P.S.I.	1
PV100-075B	1" x 3/4" Poly Pinch Valve Female Coupler -EPDM	70	1" X 3/4"	15 to 20 P.S.I.	1
PV100-075BV	1" FPT x 3/4" Female Coupler FKM (viton type) Poly Pinch Valve	70	1" X 3/4"	15 to 20 P.S.I.	1

Attention: The polypropylene air actuated valve is normally an open valve, and has a maximum liquid pressure of 70 P.S.I.

The pressure differential (pressure it takes to close valve) of the valve is 15 to 20 P.S.I.

REPLACEMENT PARTS – PV075 - PV100 - PV100-075 - PV100-075B - PV075V - PV100V - PV100-075V - PV100-075BV

ITEM	PART NO.	DESCRIPTION	QTY.
2	PV10254	Poly Pinch Valve Body	1
4	12723	1/4" Drain Plug	1
5	12724	O-Ring for Drain Plug EPDM	1



REPLACEMENT PARTS – PV075

ITEM	PART NO.	DESCRIPTION	QTY.
1	PV07257	3/4" End Plate for Pinch Valve	2
3	PV10265	EPDM Rubber Bladder Seal	1

REPLACEMENT PARTS – PV075V

ITEM	PART NO.	DESCRIPTION	QTY.
1	PV07257	3/4" End Plate for Pinch Valve	2
3	PV10265V	FKM (viton type) Rubber Bladder Seal	1

REPLACEMENT PARTS – PV100 - PV100-075

ITEM	PART NO.	DESCRIPTION	QTY.
1	PV07256	1" End Plate for Pinch Valve	2
1	PV07257	3/4" End Plate for Pinch Valve	1 (only)
3	PV10265	EPDM Rubber Bladder Seal	1

REPLACEMENT PARTS – PV100V - PV100-075V

ITEM	PART NO.	DESCRIPTION	QTY.
1	PV07256	1" End Plate for Pinch Valve	2
1	PV07257	3/4" End Plate for Pinch Valve	1 (only)
3	PV10265V	FKM (viton type) Rubber Bladder Seal	1

REPLACEMENT PARTS – PV100-075B

ITEM	PART NO.	DESCRIPTION	QTY.
1	PV07256	1" End Plate for Pinch Valve	1
1	PV07257B	3/4" Pinch Valve Female Coupler End	1
3	PV10265	EPDM Rubber Bladder Seal	1

REPLACEMENT PARTS – PV100-075BV

ITEM	PART NO.	DESCRIPTION	QTY.
1	PV07256	1" End Plate for Pinch Valve	1
1	PV07257B	3/4" Pinch Valve Female Coupler End	1
3	PV10265V	FKM (viton type) Rubber Bladder Seal	1

VALVES

Polypropylene Check Valve

FEATURES

- One Piece Construction.
- Flanged Connections.
- 150 P.S.I. Maximum.
- 1-2 P.S.I. Spring.
- Glass Reinforced Polypropylene.
- 316 Stainless Steel Springs.
- EPDM Gasket (FKM Optional).



POLYPROPYLENE CHECK VALVE

PART NO.	DESCRIPTION	MAX PSI	FLOW	QUANTITY	
MCV100	1" Flanged Poly Check Valve	150	1"	1	
MCV200	2" Flanged Poly Check Valve	150	1 1/2"	1	
MCV220	2" Full Port Poly Check Valve	150	2"	1	

See Flange Clamps and Gaskets Page 59.

316 Stainless Steel Two Piece Ball Valves

FEATURES

- 316 stainless steel.
- Blow out proof stem.
- All valves 100% tested by air, underwater at 100 P.S.I. in open and closed positions.
- Latch locking handle performs in both open and closed positions.
- Mounting pad.
- PTFE seals and seats.
- All full port design.
- Valves rated at 1,000 P.S.I.



REPLACEMENT HANDLES

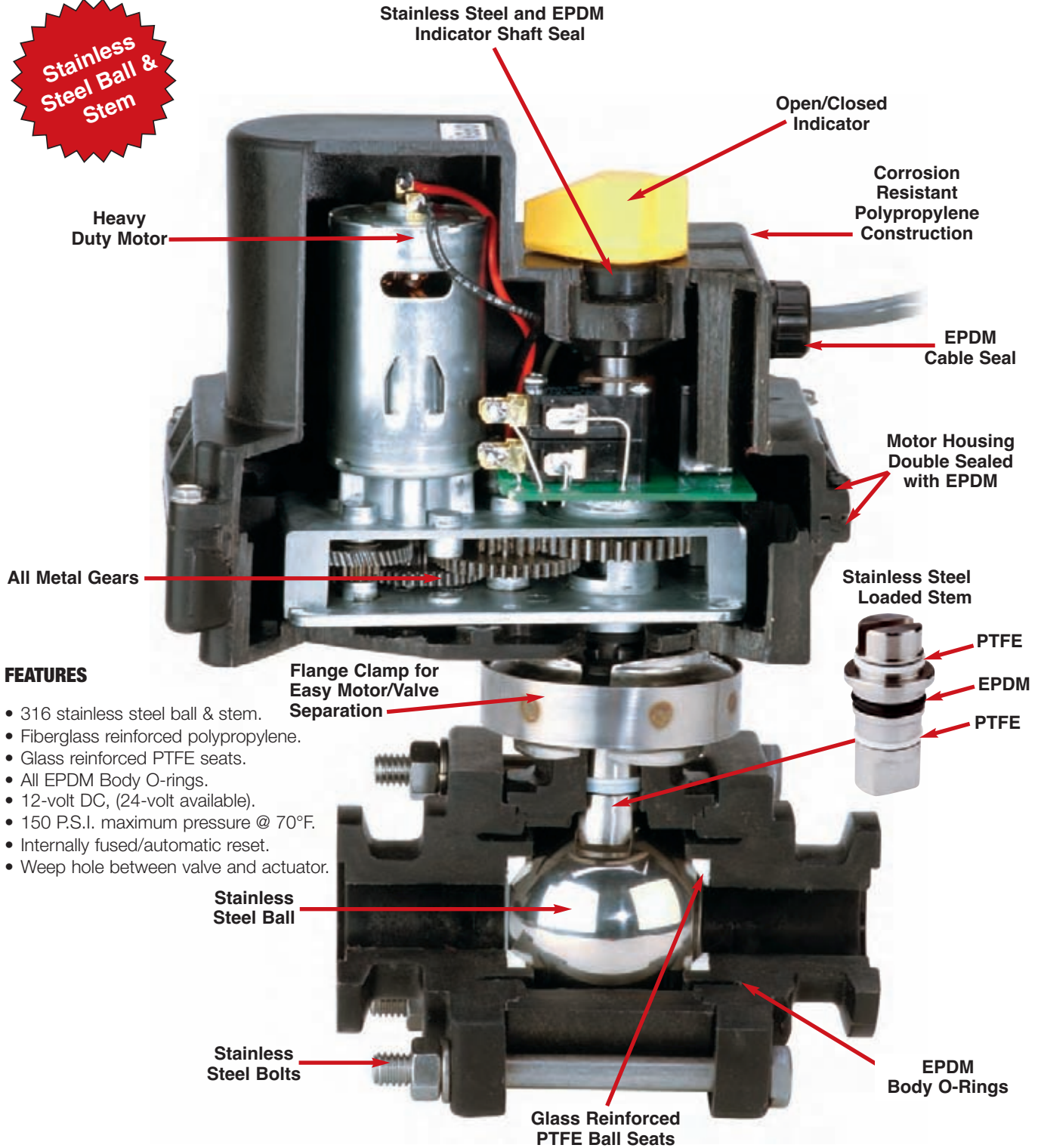
PART NO.	VALVE SIZE	
VSS05153	1/4" 3/8" & 1/2"	
VSS07153	3/4"	
VSS10153	1" & 1 1/4"	
VSS15153	1 1/2"	
VSS20153	2"	
VSS35153	3"	

PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QUANTITY PER BOX	HANDLE TYPE	
VSS025	1/4" x 1/4" 316 SS Full Port Ball Valve	1000	1/4"	1/4"	1	Straight	
VSS038	3/8" x 3/8" 316 SS Full Port Ball Valve	1000	3/8"	3/8"	1	Straight	
VSS050	1/2" x 1/2" 316 SS Full Port Ball Valve	1000	1/2"	1/2"	1	Straight	
VSS075	3/4" x 3/4" 316 SS Full Port Ball Valve	1000	3/4"	3/4"	1	Straight	
VSS100	1" x 1" 316 SS Full Port Ball Valve	1000	1"	1"	1	Straight	
VSS125	1 1/4" x 1 1/4" 316 SS Full Port Ball Valve	1000	1 1/4"	1 1/4"	1	Straight	
VSS150	1 1/2" x 1 1/2" 316 SS Full Port Ball Valve	1000	1 1/2"	1 1/2"	1	Straight	
VSS200	2" x 2" 316 SS Full Port Ball Valve	1000	2"	2"	1	Straight	
VSS300	3" x 3" 316 SS Full Port Ball Valve	1000	3"	3"	1	Straight	



Electric Ball Valves

Stainless Steel Ball & Stem



FEATURES

- 316 stainless steel ball & stem.
- Fiberglass reinforced polypropylene.
- Glass reinforced PTFE seats.
- All EPDM Body O-rings.
- 12-volt DC, (24-volt available).
- 150 P.S.I. maximum pressure @ 70°F.
- Internally fused/automatic reset.
- Weep hole between valve and actuator.

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Electric Valves

3/4" 1" 1 1/4" Threaded

FEATURES

- 316 stainless steel ball & stem.
- Stainless steel hardware.
- Fiberglass reinforced polypropylene.
- Glass reinforced PTFE seats.
- FKM (viton type) or EPDM O-rings.
- 12-volt DC operated.
- 150 P.S.I. maximum pressure @ 70°F.
- Easily repairable.
- Open/closed indicator.

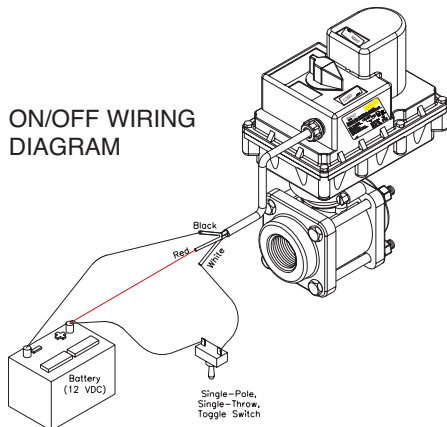
Don't forget the manifold connections on pages 58 & 59.



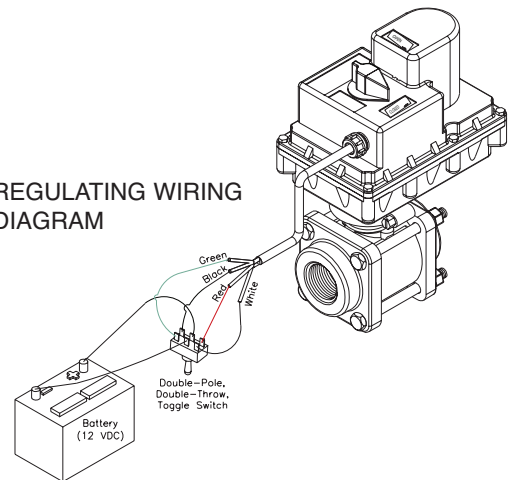
ON/OFF Electric Valves - 3/4 Second Response Time

PART NO.	DESCRIPTION	MAX. PSI	PIPE SIZE	OPENING THRU BALL	QUANTITY
EV075	3/4" Electric Valve	150	3/4"	1"	1
EV100FP	1" Electric Valve	150	1"	1"	1
EV125	1 1/4" Electric Valve	150	1 1/4"	1"	1

ON/OFF WIRING DIAGRAM



REGULATING WIRING DIAGRAM

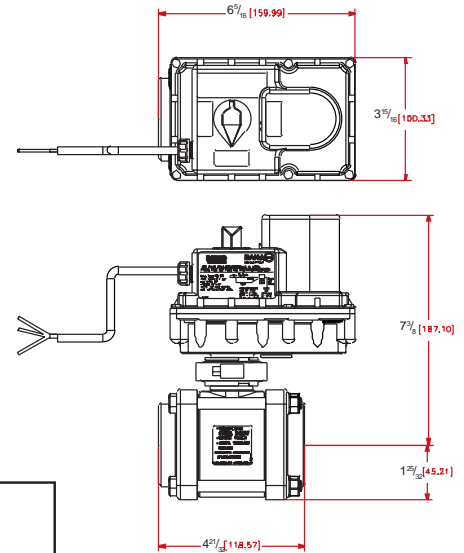
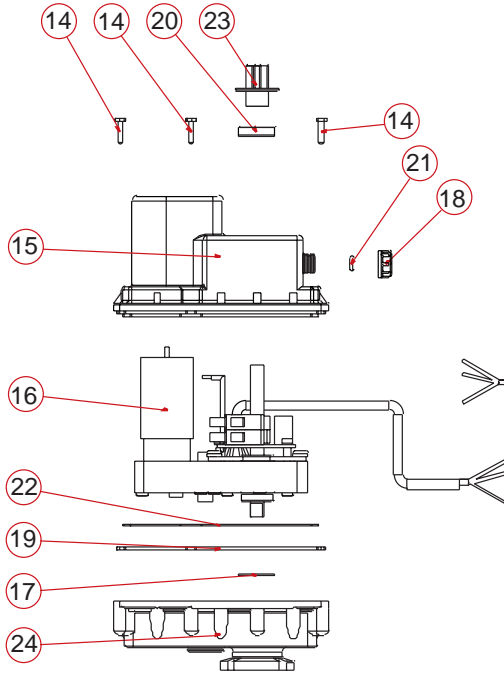


REGULATING Electric Valves - 4 Second Response Time

PART NO.	DESCRIPTION	MAX. PSI	PIPE SIZE	OPENING THRU BALL	QUANTITY
EVR075	3/4" Electric Valve	150	3/4"	1"	1
EVR100FP	1" Electric Valve	150	1"	1"	1
EVR125	1 1/4" Electric Valve	150	1 1/4"	1"	1

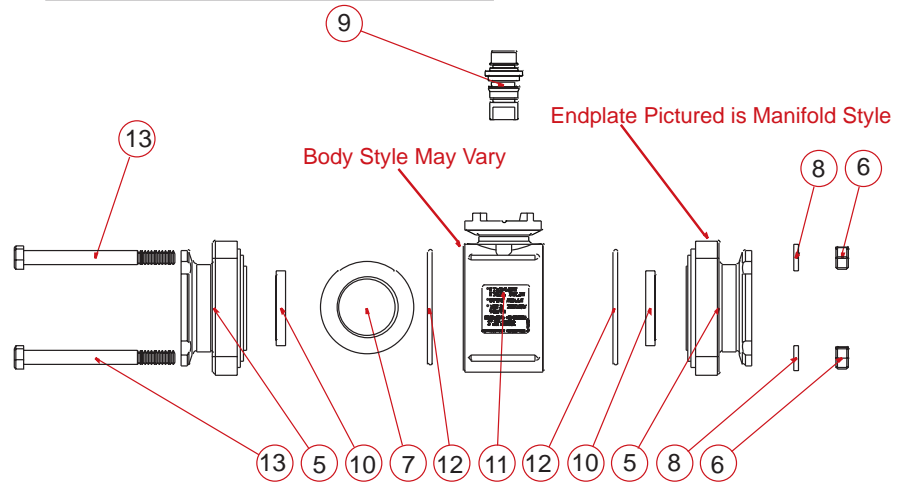
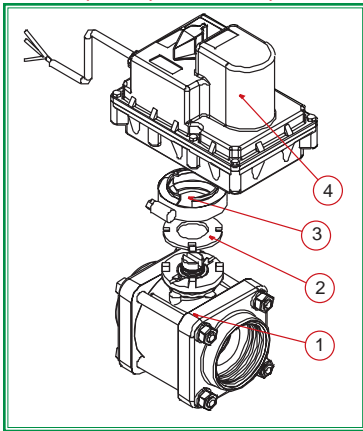
Note: 2 wire regulating and other response times available. Contact our Sales Team for part number and availability of valves.





Assembly Specs:
 Body Bolt Tightening Torque: 75 in-lb
 Max Stem Turning Torque: 75 in-lb

Fast repair replacement options.



REPLACEMENT PARTS EV075 - EVR075 - EV100FP - EVR100FP EV125 - EVR125			
ITEM	PART NO.	DESCRIPTION	QTY.
1	EV075XR1	3/4" Electric Valve Sub Assembly	1
1	EV100XR1	1" FP Electric Valve Sub Assembly	1
1	EV125XR1	1 1/4" Electric Valve Sub Assembly	1
2	MVE004	Electric Valve Flange Gasket	1
3	FC100	1" Flange clamp	1
4	EV3100	3/4 Second 3 Wire motor Assembly	1
4	EVR3100	Regulating 4 Wire, 4 Second	1
4	EVR3102	Regulating 2 Wire, 8 Second	1
5	VE07357	3/4" Threaded Endplate for EV	2
5	VE10257A	1" FP Threaded Endplate for EV	2
5	VE10256A	1 1/4" Threaded Endplate for EV	2
6	V10119	5/16" Stainless Steel Body Nut	4
7	VE10155SSH	1" EV 316 Stainless Steel Hollow Ball	1
8	V10118	5/16" Stainless Steel Lock Washer	4
9	MEV10151	1" Stainless Steel Stem w/Seals	1
10	VE10258A	1" Electric Ball Seat	2
11	MEV10254A	EV Body 1"	1

REPLACEMENT PARTS EV075 - EVR075 - EV100FP - EVR100FP EV125 - EVR125			
ITEM	PART NO.	DESCRIPTION	QTY.
12	VE10264	1" EV Body FKM O-Ring	2
13	V10117	5/16" X 3 1/2" SS Body Bolt	4
14	VE15220	Housing Screw	6
15	MVE10102	EV Housing Top for Small Motor	1
16	VE4984	1 1/4" Hi Torque On/Off Motor	1
16	VE4983	4 Second 4 Wire HT On/Off Motor	1
16	VE4985	8 Second 2 Wire HT Reg Motor	1
17	MVE105	EV Motor Shaft Gasket	1
18	MVE002	Heyco 1/4" Threaded Bushing	1
19	MVE104	Outer EV Housing Gasket	1
20	VE109E	Indicator Seal	1
21	MVE007	3mm X 5mm FKM O-Ring	1
22	MVE106	Inner EV Housing Gasket	1
23	VE107A	EV Flow Indicator	1
24	MEV10101	EV Housing Bottom for Small Motor	1
25	EV10210	Repair Kit (Includes Parts 2, 9, 10, 12)	1

Electric Valves 1 1/2" 2" Threaded

FEATURES

- 316 stainless steel ball & stem.
- Stainless steel hardware.
- Fiberglass reinforced polypropylene.
- Glass reinforced PTFE seats.
- FKM (viton type) or EPDM O-rings.
- 12-volt DC operated.
- 150 P.S.I. maximum pressure @ 70°F.
- Easily repairable.
- Open/closed indicator.

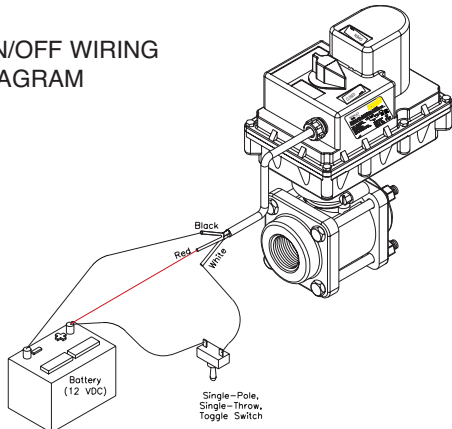
Don't forget the manifold connections on pages 58 & 59.



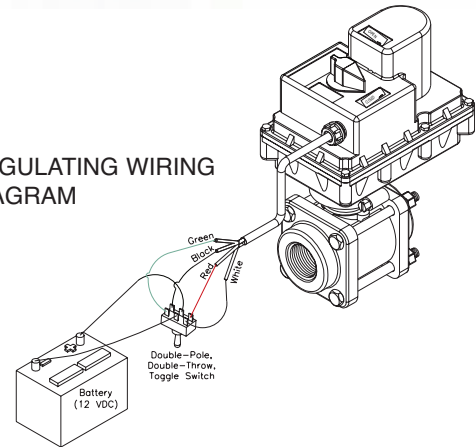
ON/OFF Electric Valves - 1 1/4 Second Response Time

PART NO.	DESCRIPTION	MAX. PSI	PIPE SIZE	OPENING THRU BALL	QUANTITY
EV150	1 1/2" Electric Valve	150	1 1/2"	1 1/2"	1
EV200	2" Electric Valve	150	2"	1 1/2"	1

ON/OFF WIRING DIAGRAM



REGULATING WIRING DIAGRAM

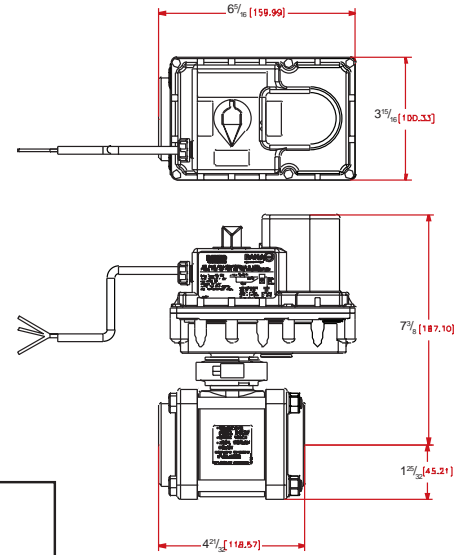
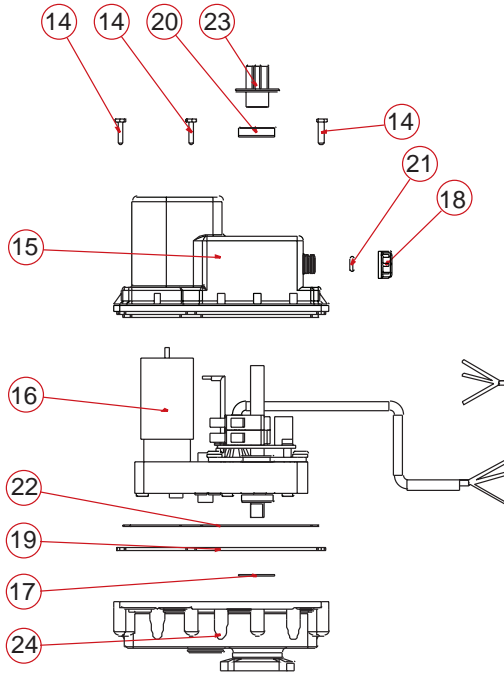


REGULATING Electric Valves - 4 Second Response Time

PART NO.	DESCRIPTION	MAX. PSI	PIPE SIZE	OPENING THRU BALL	QUANTITY
EVR150	1 1/2" Electric Valve	150	1 1/2"	1 1/2"	1
EVR200	2" Electric Valve	150	2"	1 1/2"	1

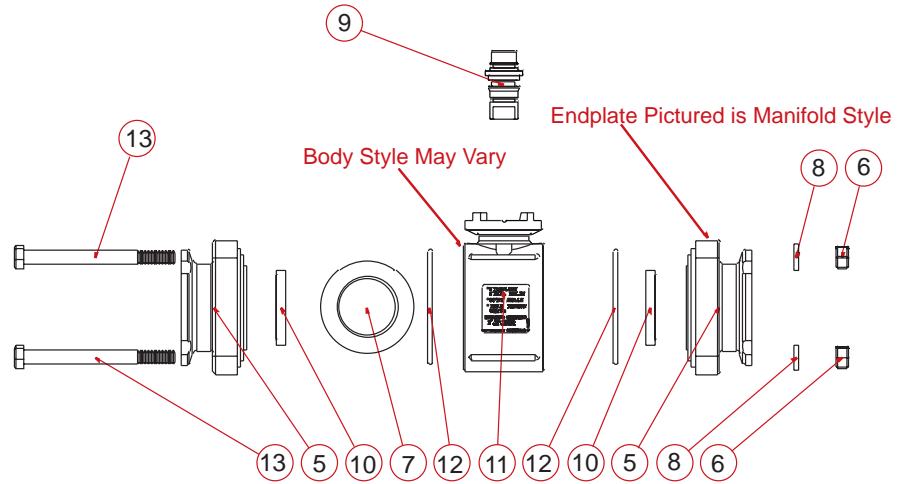
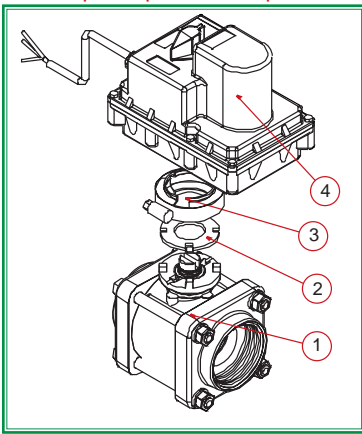
Note: 2 wire regulating and other response times available. Contact our Sales Team for part number and availability of valves.





Assembly Specs:
 Body Bolt Tightening Torque: 75 in-lb
 Max Stem Turning Torque: 75 in-lb

Fast repair replacement options.



REPLACEMENT PARTS EV150 - EV200 - EVR150M - EVR200			
ITEM	PART NO.	DESCRIPTION	QTY.
1	EV150XR1	1 1/2" FP Electric Valve Sub Assembly	1
1	EV200XR1	2" Electric Valve Sub Assembly	1
2	MVE004	Electric Valve Flange Gasket	1
3	FC100	1" Flange clamp	1
4	EV4100	1 1/4 Second 3 Wire Motor Assembly	1
4	EVR4100	Regulating 4 Wire, 4 Second	1
4	EVR4102	Regulating 2 Wire, 6 Second	1
5	VE20257	1 1/2" Threaded Endplate for EV	2
5	VE20256	2" Threaded Endplate for EV	2
6	V20019	3/8" Stainless Steel Body Nut	4
7	VE20255SSH	2" EV 316 Stainless Steel Hollow Ball	1
8	V20018	3/8" Stainless Steel Lock Washer	4
9	MEV10151	1" Stainless Steel Stem w/Seals	1
10	VE20258	1 1/2" & 2" Electric Ball Seat	2
11	MEV20254A	EV Body 1 1/2" & 2"	1
12	VE20264	2" EV Body FKM O-Ring	2
13	V20017	3/8" X 4" Stainless Steel Body Bolt	4

REPLACEMENT PARTS EV150 - EV200 - EVR150 - EVR200			
ITEM	PART NO.	DESCRIPTION	QTY.
14	VE15220	Housing Screw	6
15	MVE25102	EV Housing Top for Large Motor	1
16	VE4987	1 1/4" Hi Torque On/Off Motor	1
16	VE4988	4 Second 12 Volt Hi Torque Motor	1
16	VE49892	6 Second 12 Volt 2 Wire HT Motor	1
17	MVE107	EV Motor Shaft Gasket 1/2" ID	1
18	MVE002	Heyco 1/4" Threaded Bushing	1
19	MVE104	Outer EV Housing Gasket	1
20	VE109E	Indicator Seal	1
21	MVE007	3mm X 5mm FKM O-Ring	1
22	MVE106	Inner EV Housing Gasket	1
23	VE107A	EV Flow Indicator	1
24	MEV25101	EV Housing Bottom for Large Motor	1
25	EV20210	Repair Kit (Includes Parts 2, 9, 10, 12)	1

Electric Valves 2" Full Port Threaded

FEATURES

- 316 stainless steel ball & stem.
- Stainless steel hardware.
- Fiberglass reinforced polypropylene.
- Glass reinforced PTFE seats.
- FKM (viton type) or EPDM O-rings.
- 12-volt DC operated.
- 150 P.S.I. maximum pressure @ 70°F.
- Easily repairable.
- Open/closed indicator.



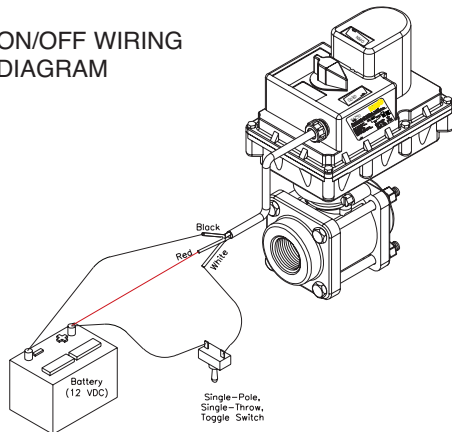
Don't forget the manifold connections on pages 58 & 59.



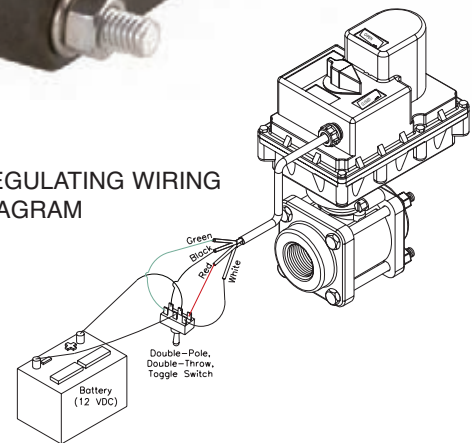
ON/OFF Electric Valves - 1 1/4 Second Response Time

PART NO.	DESCRIPTION	MAX. PSI	PIPE SIZE	OPENING THRU BALL	QUANTITY
EV204FP	2" FP Electric Valve	150	2"	2"	1

ON/OFF WIRING DIAGRAM



REGULATING WIRING DIAGRAM

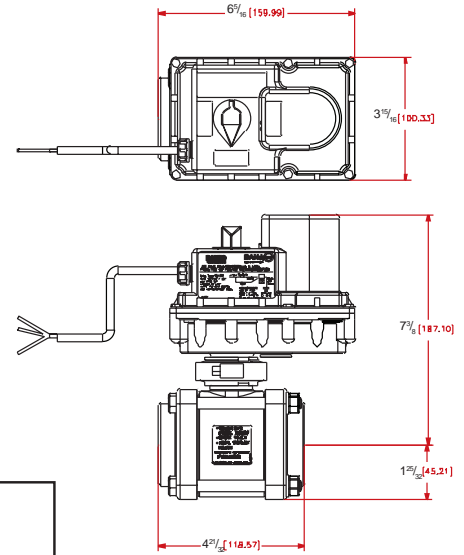
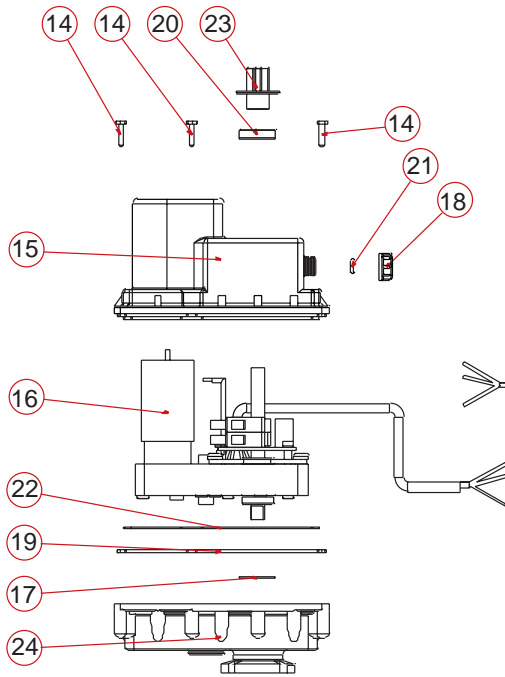


REGULATING Electric Valves - 4 Second Response Time

PART NO.	DESCRIPTION	MAX. PSI	PIPE SIZE	OPENING THRU BALL	QUANTITY
EVR204FP	2" FP Electric Valve	150	2"	2"	1

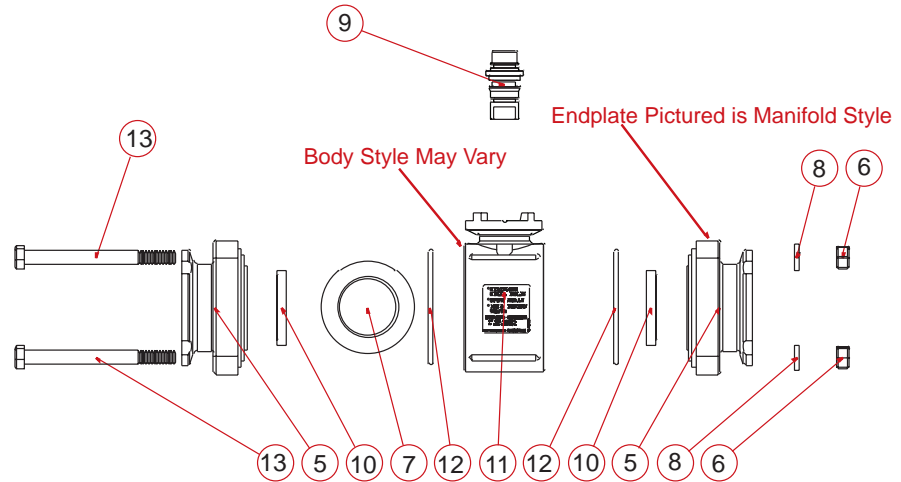
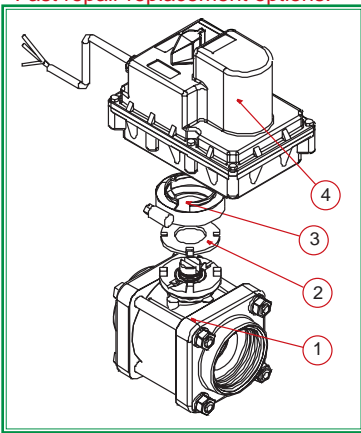
Note: 2 wire regulating and other response times available. Contact our Sales Team for part number and availability of valves.





Assembly Specs:
 Body Bolt Tightening Torque: 75 in-lb
 Max Stem Turning Torque: 75 in-lb

Fast repair replacement options.



REPLACEMENT PARTS EV204FP - EVR204FP			
ITEM	PART NO.	DESCRIPTION	QTY.
1	EV204XR1	2" FP Electric Valve Sub Assembly	1
2	MVE004	Electric Valve Flange Gasket	1
3	FC100	1" Flange clamp	1
4	EV4100	1 1/4 Second 3 Wire Motor Assembly	1
4	EVR4100	Regulating 4 Wire, 4 Second	1
4	EVR4102	Regulating 2 Wire, 6 Second	1
5	VE25356A	2" FP Threaded Endplate for EV	2
6	V20019	3/8" Stainless Steel Body Nut	4
7	VE25255SSH	2" EV 316 Stainless Steel Hollow Ball	1
8	V20018	3/8" Stainless Steel Lock Washer	4
9	MEV25151	1" Stainless Steel Stem w/Seals	1
10	VE25258A	1 1/2" & 2" Electric Ball Seat	2
11	MEV25254A	EV Body 1 1/2" & 2"	1
12	V25264	2" EV Body FKM O-Ring	2
13	V25017	3/8" X 4" Stainless Steel Body Bolt	4

REPLACEMENT PARTS EV204FP - EVR204FP			
ITEM	PART NO.	DESCRIPTION	QTY.
14	VE15220	Housing Screw	6
15	MVE25102	EV Housing Top for Large Motor	1
16	VE4987	1 1/4" Hi Torque On/Off Motor	1
16	VE4988	4 Second 12 Volt Hi Torque Motor	1
17	MVE107	EV Motor Shaft Gasket 1/2" ID	1
18	MVE002	Heyco 1/4" Threaded Bushing	1
19	MVE104	Outer EV Housing Gasket	1
20	VE109E	Indicator Seal	1
21	MVE007	3mm X 5mm FKM O-Ring	1
22	MVE106	Inner EV Housing Gasket	1
23	VE107A	EV Flow Indicator	1
24	MEV25101	EV Housing Bottom for Large Motor	1
25	EV25210	Repair Kit (Includes Parts 2, 9, 10, 12)	1

3-Way Electric Valves

3/4", 1", 1 1/4" Threaded w/Flanged Inlet

FEATURES

- 316 stainless steel ball & stem.
- Stainless steel hardware.
- Fiberglass reinforced polypropylene.
- Glass reinforced PTFE seats.
- FKM (viton type) or EPDM O-rings.
- 12-volt DC operated.
- 150 P.S.I. maximum pressure @ 70°F.
- Easily repairable.
- Open/closed indicator.

BOTTOM LOAD:

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

3/4" SECOND RESPONSE TIME

PART NO.	DESCRIPTION	MAX. PSI	PIPE SIZE	OPENING THRU BALL	QUANTITY
EV075BL	3/4" Electric Valve x 1" Inlet Flange	150	3/4"	1"	1
EV100BL	1" Electric Valve x 1" Inlet Flange	150	1"	1"	1
EV125BL	1 1/4" Electric Valve x 1" Inlet Flange	150	1 1/4"	1"	1



BOTTOM LOAD

SIDE LOAD:

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

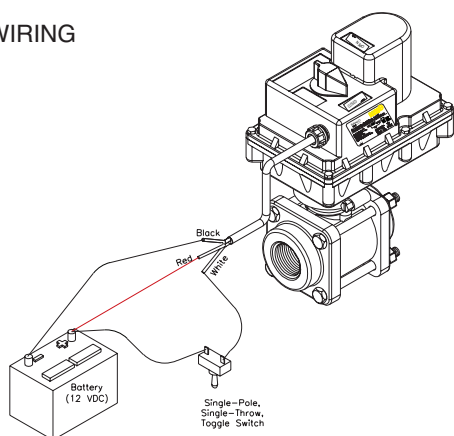
3/4" SECOND RESPONSE TIME

PART NO.	DESCRIPTION	MAX. PSI	PIPE SIZE	OPENING THRU BALL	QUANTITY
EV075SL	3/4" Electric Valve x 1" Inlet Flange	150	3/4"	1"	1
EV100SL	1" Electric Valve x 1" Inlet Flange	150	1"	1"	1
EV125SL	1 1/4" Electric Valve x 1" Inlet Flange	150	1 1/4"	1"	1

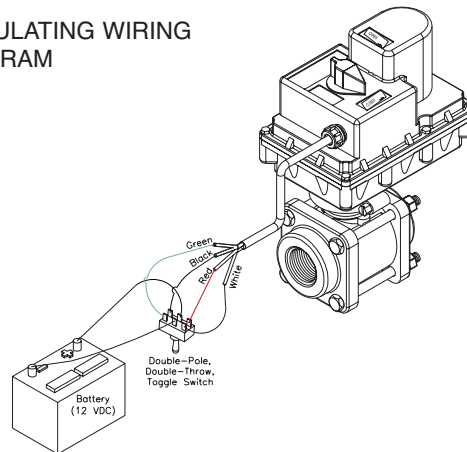


SIDE LOAD

ON/OFF WIRING DIAGRAM



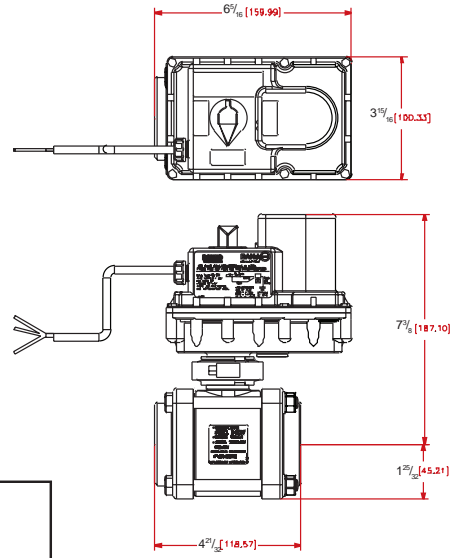
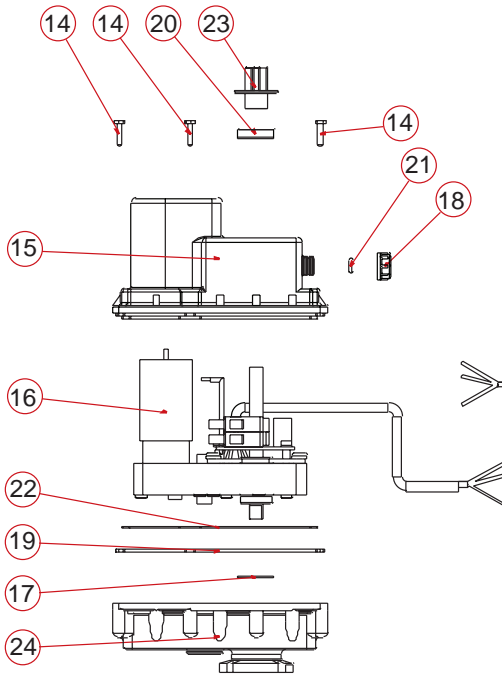
REGULATING WIRING DIAGRAM



Attention:

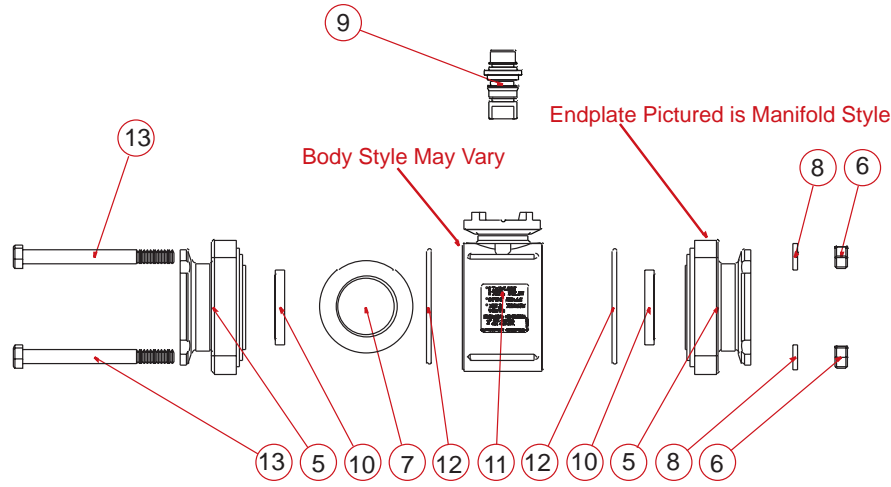
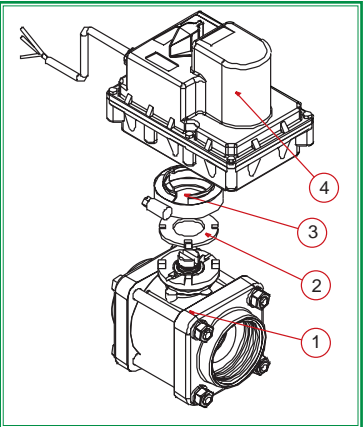
3-Way regulating valves are not shown, but are available.
 Standard 3-Way valves use the On/Off wiring diagram.





Assembly Specs:
 Body Bolt Tightening Torque: 75 in-lb
 Max Stem Turning Torque: 75 in-lb

Fast repair replacement options.



REPLACEMENT PARTS EV075SL - EV075BL - EV100SL - EV100BL EV125SL - EV125BL

ITEM	PART NO.	DESCRIPTION	QTY.
1	EV075SLXR1	3/4" Electric Valve Sub Assembly	1
1	EV100SLXR1	1" FP Electric Valve Sub Assembly	1
1	EV125SLXR1	1 1/4" Electric Valve Sub Assembly	1
1	EV075BLXR1	3/4" Electric Valve Sub Assembly	1
1	EV100BLXR1	1" FP Electric Valve Sub Assembly	1
1	EV125BLXR1	1 1/4" Electric Valve Sub Assembly	1
2	MVE004	Electric Valve Flange Gasket	1
3	FC100	1" Flange clamp	1
4	EV3100	3/4 Second 3 Wire Motor Assembly	1
4	EVR3100	Regulating 4 Wire, 4 Second	1
5	VE07357	3/4" Threaded Endplate for EV	2
5	VE10257A	1" FP Threaded Endplate for EV	2
5	VE10256A	1 1/4" Threaded Endplate for EV	2
6	V10119	5/16" Stainless Steel Body Nut	4
7	VE10355	1" EV 316 Stainless Steel Hollow Ball	1
8	V10118	5/16" Stainless Steel Lock Washer	4
9	MEV10151	1" Stainless Steel Stem w/Seals	1
10	VE10258A	1" Electric Ball Seat	2

REPLACEMENT PARTS EV075SL - EV075BL - EV100SL - EV100BL EV125SL - EV125BL

ITEM	PART NO.	DESCRIPTION	QTY.
11	MEV10354AB	EV BL Body 3/4" - 1 1/4"	1
11	MEV10354AS	EV SL Body 3/4" - 1 1/4"	1
12	VE10264	Body O-Ring	2
13	V10117	5/16" x 3 1/2" SS Body Bolt	4
14	VE15220	Housing Screw	6
15	MEV10102	EV Housing Top for Small Motor	1
16	VE4984	3/4" Hi Torque On/Off Motor	1
16	VE4983	4 Second 4 Wire 12 Volt HT Motor	1
17	MVE105VE	Motor Shaft Gasket 1/2" ID	1
18	MVE002	Heyco 1/4" Threaded Bushing	1
19	MVE104	Outer EV Housing Gasket	1
20	VE109E	Indicator Seal	1
21	MVE007	3mm X 5mm FKM O-Ring	1
22	MVE106	Inner EV Housing Gasket	1
23	VE107A	EV Flow Indicator	1
24	MEV10101	EV Housing Bottom for Large Motor	1
25	EV10210	Repair Kit (Includes Parts 2, 9, 10, 12)	1

3-Way Electric Valves

1 1/2" 2" Threaded w/Flanged Inlet

FEATURES

- 316 stainless steel ball & stem.
- Stainless steel hardware.
- Fiberglass reinforced polypropylene.
- Glass reinforced PTFE seats.
- FKM (viton type) or EPDM O-rings.
- 12-volt DC operated.
- 150 P.S.I. maximum pressure @ 70°F.
- Easily repairable.
- Open/closed indicator.

BOTTOM LOAD:

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

1 1/4 SECOND RESPONSE TIME

PART NO.	DESCRIPTION	MAX. PSI	PIPE SIZE	OPENING THRU BALL	QUANTITY
EV150BL	1 1/2" X 2" Standard Port Flange	150	1 1/2"	1 1/2"	1
EV200BL	2" X 2" Standard Port Flange	150	2"	1 1/2"	1



SIDE LOAD:

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

1 1/4 SECOND RESPONSE TIME

PART NO.	DESCRIPTION	MAX. PSI	PIPE SIZE	OPENING THRU BALL	QUANTITY
EV150SL	1 1/2" X 2" Standard Port Flange	150	1 1/2"	1 1/2"	1
EV200SL	2" X 2" Standard Port Flange	150	2"	1 1/2"	1

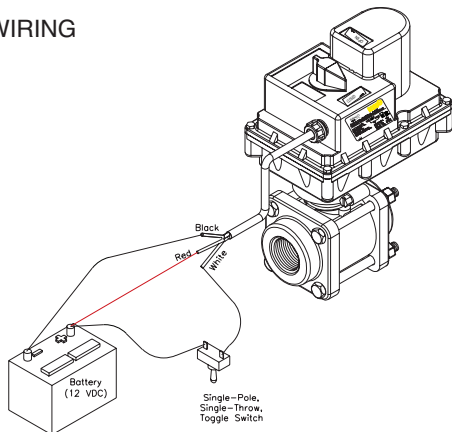


BOTTOM LOAD

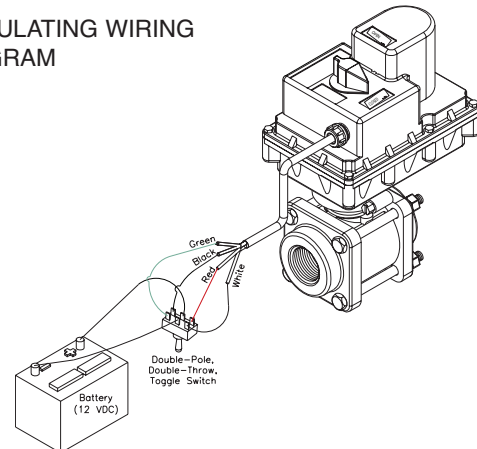


SIDE LOAD

ON/OFF WIRING DIAGRAM



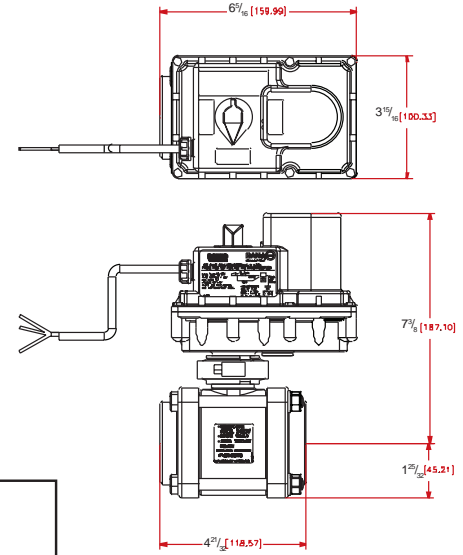
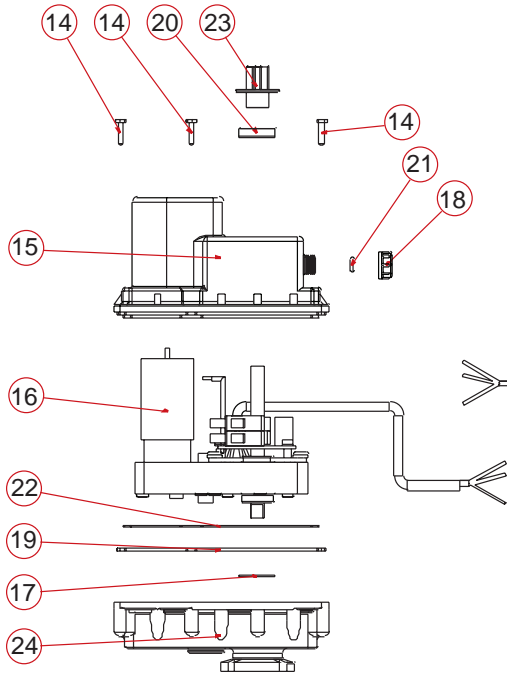
REGULATING WIRING DIAGRAM



Attention:

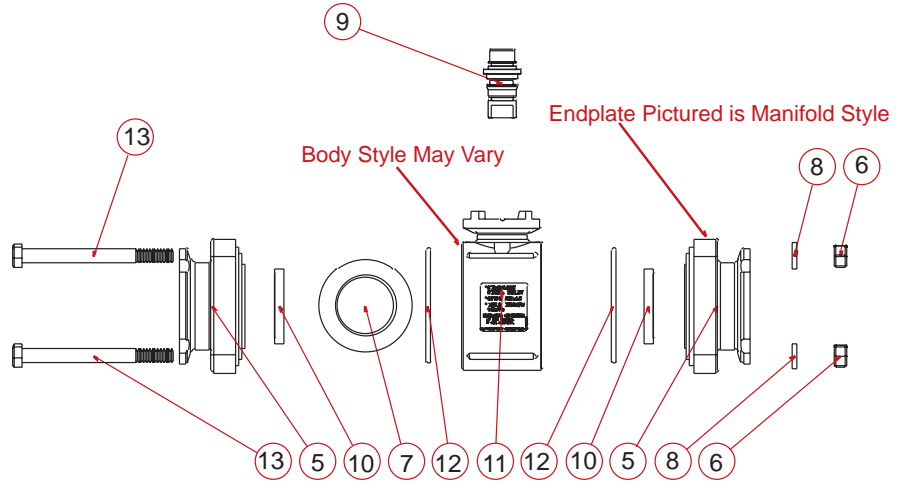
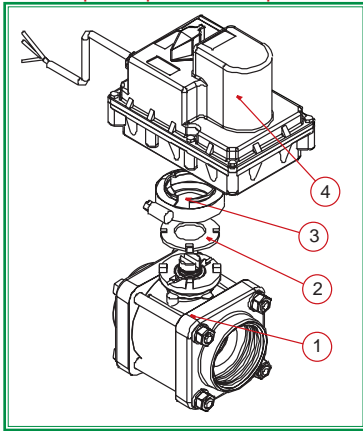
3-Way regulating valves are not shown, but are available.
Standard 3-Way valves use the On/Off wiring diagram.





Assembly Specs:
 Body Bolt Tightening Torque: 75 in-lb
 Max Stem Turning Torque: 75 in-lb

Fast repair replacement options.



REPLACEMENT PARTS EV150SL - EV200SL - EVR150BL - EVR200BL			
ITEM	PART NO.	DESCRIPTION	QTY.
1	EV150SLXR1	1 1/2" FP Electric Valve Sub Assembly	1
1	EV200SLXR1	2" Electric Valve Sub Assembly	1
1	EV150BLXR1	1 1/2" FP Electric Valve Sub Assembly	1
1	EV200BLXR1	2" Electric Valve Sub Assembly	1
2	MVE004	Electric Valve Flange Gasket	1
3	FC100	1" Flange clamp	1
4	EV4100	1 1/4 Second 3 Wire Motor Assembly	1
4	EVR4100	Regulating 4 Wire, 4 Second	1
5	VE20257	1 1/2" Threaded Endplate for EV	2
5	VE20256	2" Threaded Endplate for EV	2
6	V20019	3/8" Stainless Steel Body Nut	4
7	VE20355	2v EV 316 Stainless Steel Ball	1
8	V20018	3/8" Stainless Steel Lock Washer	4
9	MEV10151	1" Stainless Steel Stem w/Seals	1
10	VE20258	1 1/2" & 2" Electric Ball Seat	2
11	MEV20354AS	EV SL Body 1 1/2" & 2"	1
11	MEV20354AB	EV BL Body 1 1/2" & 2"	1

REPLACEMENT PARTS EV150SL - EV200SL - EVR150BL - EVR200BL			
ITEM	PART NO.	DESCRIPTION	QTY.
12	VE20264	2" EV Body FKM O-Ring	2
13	V20017	3/8" X 4" Stainless Steel Body Bolt	4
14	VE15220	Housing Screw	6
15	MVE25102	EV Housing Top for Large Motor	1
16	VE4987	1 1/4" Hi Torque On/Off Motor	1
16	VE4988	4 Second 12 Volt Hi Torque Motor	1
17	MVE107	EV Motor Shaft Gasket 1/2" ID	1
18	MVE002	Heyco 1/4" Threaded Bushing	1
19	MVE104	Outer EV Housing Gasket	1
20	VE109E	Indicator Seal	1
21	MVE007	3mm X 5mm FKM O-Ring	1
22	MVE106	Inner EV Housing Gasket	1
23	VE107A	EV Flow Indicator	1
24	MEV25101	EV Housing Bottom for Large Motor	1
25	EV20210	Repair Kit (Includes Parts 2, 9, 10, 12)	1

3-Way Electric Valves

2" Full Port Threaded w/Flanged Inlet

FEATURES

- 316 stainless steel ball & stem.
- Stainless steel hardware.
- Fiberglass reinforced polypropylene.
- Glass reinforced PTFE seats.
- FKM (viton type) or EPDM O-rings.
- 12-volt DC operated.
- 150 P.S.I. maximum pressure @ 70°F.
- Easily repairable.
- Open/closed indicator.

BOTTOM LOAD:

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

1¹/₄ SECOND RESPONSE TIME

PART NO.	DESCRIPTION	MAX. PSI	PIPE SIZE	OPENING THRU BALL	QUANTITY
EV204BLFP	2" Electric Valve x 2" Full Port Flange	150	2"	2"	1



BOTTOM LOAD



Don't forget the manifold connections pgs. 58 & 59.

SIDE LOAD:

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

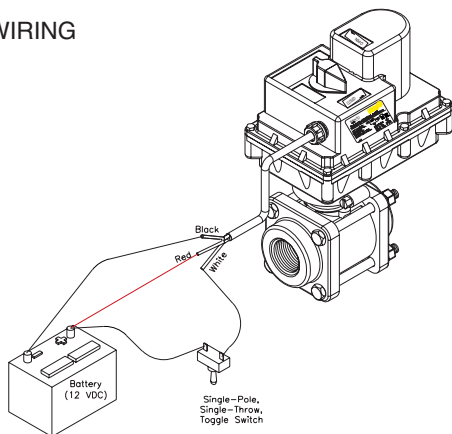
1¹/₄ SECOND RESPONSE TIME

PART NO.	DESCRIPTION	MAX. PSI	PIPE SIZE	OPENING THRU BALL	QUANTITY
EV204SLFP	2" Electric Valve x 2" Full Port Flange	150	2"	2"	1

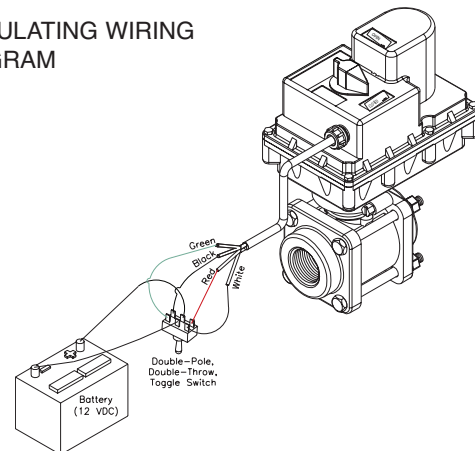


SIDE LOAD

ON/OFF WIRING DIAGRAM



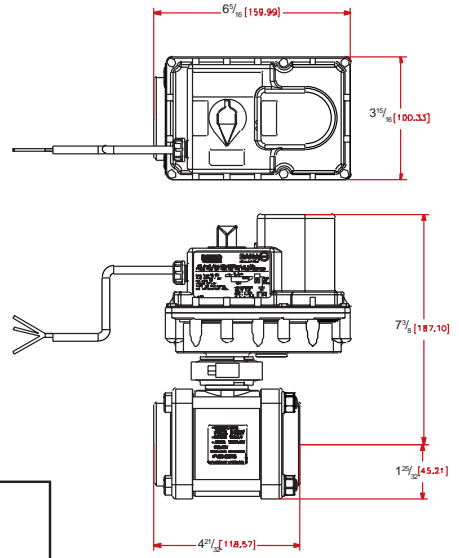
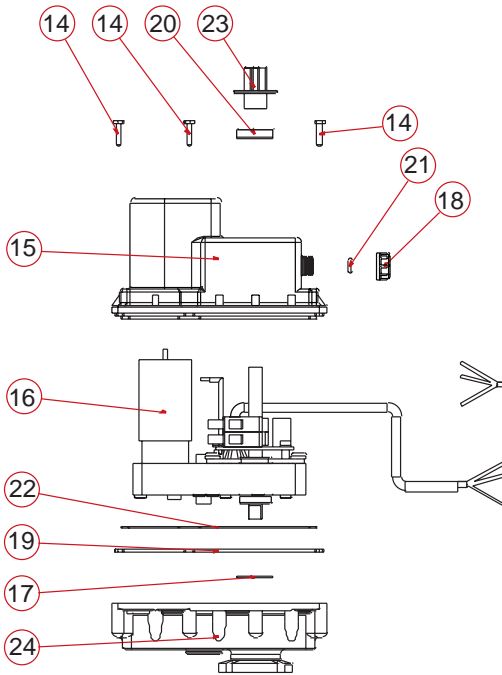
REGULATING WIRING DIAGRAM



Attention:

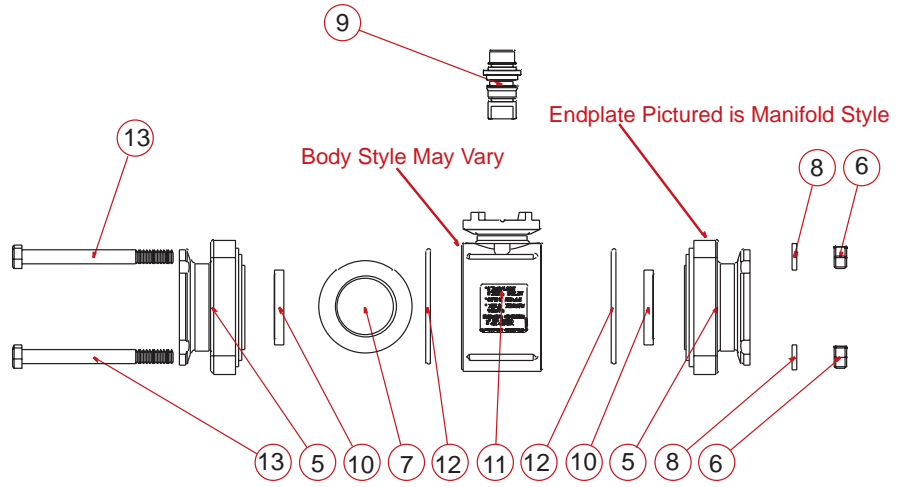
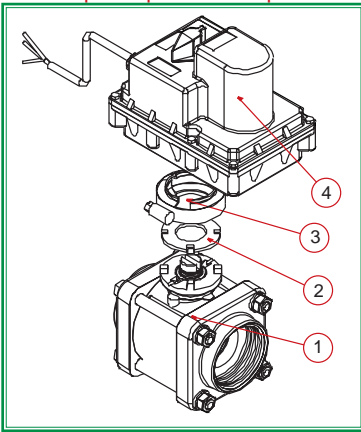
3-Way regulating valves are not shown, but are available.
Standard 3-Way valves use the On/Off wiring diagram.





Assembly Specs:
 Body Bolt Tightening Torque: 75 in-lb
 Max Stem Turning Torque: 75 in-lb

Fast repair replacement options.



REPLACEMENT PARTS EV204SLFP - EVR204BLFP			
ITEM	PART NO.	DESCRIPTION	QTY.
1	EV204SLXR1	2" FP SL Electric Valve Sub Assembly	1
1	EV204BLXR1	2" FP BL Electric Valve Sub Assembly	1
2	MVE004	Electric Valve Flange Gasket	1
3	FC100	1" Flange clamp	1
4	EV4100	1 1/4 Second 3 Wire motor Assembly	1
4	EVR4100	Regulating 4 Wire, 4 Second	1
5	VE25356A	2" FP Threaded Endplate for EV	2
6	V20019	3/8" Stainless Steel Body Nut	4
7	VE25355	2" EV 316 Stainless Steel Ball	1
8	V20018	3/8" Stainless Steel Lock Washer	4
9	MEV25151	1" Stainless Steel Stem w/Seals	1
10	VE25258A	1 1/2" & 2" Electric Ball Seat	2
11	MEV25354AS	EV SL Body 1 1/2" & 2"	1
11	MEV25354AB	EV BL Body 1 1/2" & 2"	1
12	V25264	2" EV Body FKM O-Ring	2

REPLACEMENT PARTS EV204SLFP - EVR204BLFP			
ITEM	PART NO.	DESCRIPTION	QTY.
13	V25017	3/8" X 4 1/2" Stainless Steel Body Bolt	4
14	VE15220	Housing Screw	6
15	MVE25102	EV Housing Top for Large Motor	1
16	VE4987	1 1/4" Hi Torque On/Off Motor	1
16	VE4988	4 Second 12 Volt Hi Torque Motor	1
17	MVE107	EV Motor Shaft Gasket 1/2" ID	1
18	MVE002	Heyco 1/4" Threaded Bushing	1
19	MVE104	Outer EV Housing Gasket	1
20	VE109E	Indicator Seal	1
21	MVE007	3mm X 5mm FKM O-Ring	1
22	MVE106	Inner EV Housing Gasket	1
23	VE107A	EV Flow Indicator	1
24	MEV25101	EV Housing Bottom for Large Motor	1
25	EV25210	Repair Kit (Includes Parts 2, 9, 10, 12)	1

ELECTRIC VALVES

Manifold Systems

**Quick
and Easy
Assembly**

**No Threads
No Sealant
No Pipe Tape**



“Make the Right Connection!”

FEATURES

- Quick & Easy Assembly
- Positive Seals
- 360° Orientation
- Easy On/Off Hose Connections
- No threads, No sealant, No pipe tape
- Heavy Duty Glass Filled Polypropylene

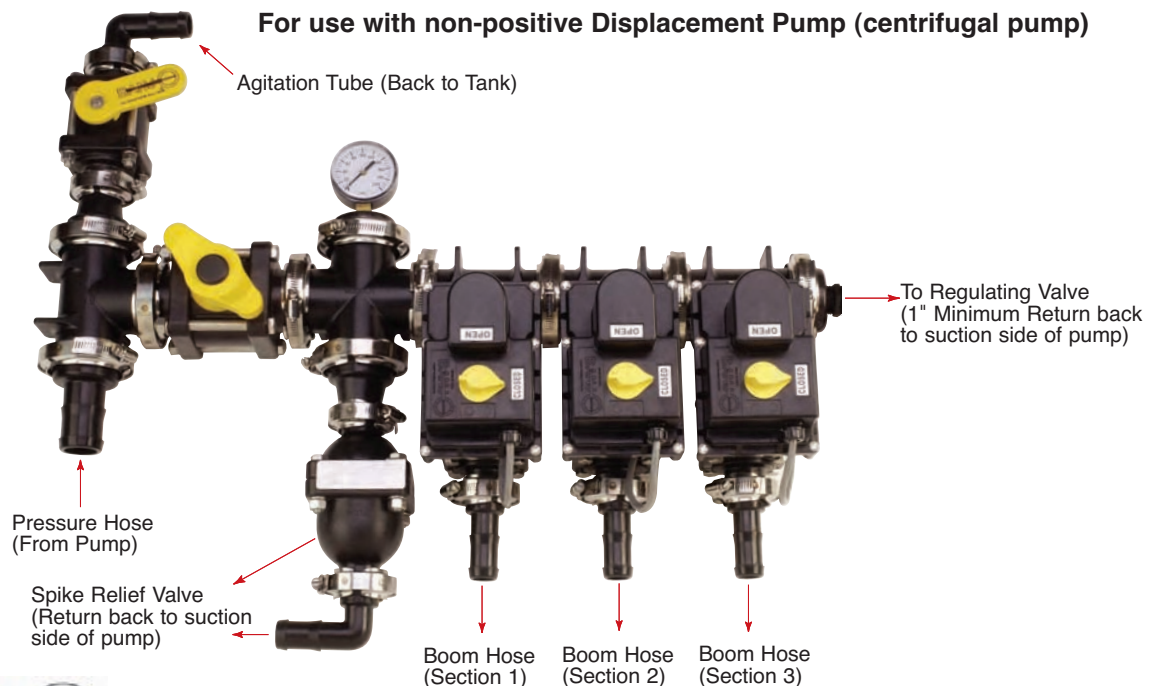
APPLICATIONS

- Agricultural Sprayers
- Plant Fertilizers
- Industrial Plumbing
- Chemical Processing

SIZES

- M100 Series - 1" Full Flow
- M200 Series - 2" Standard Port (1 1/2" Flow)
- M220 Series - 2" Full Flow
- M300 Series - 3" Full Flow

For use with non-positive Displacement Pump (centrifugal pump)



1" Banjo Electric Manifold Valve Assemblies

2 Valve Manifold



2 VALVE MANIFOLD ASSEMBLY (M200 SERIES)

PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	QUANTITY
MEV102CF	1" Manifold Valve Assembly 2" inlet flanges, 1" outlet flanges	150	2" IN 1" OUT	1/per box

3 Valve Manifold



3 VALVE MANIFOLD ASSEMBLY (M200 SERIES)

PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	QUANTITY
MEV103CF	1" Manifold Valve Assembly 2" inlet flanges, 1" outlet flanges	150	2" IN 1" OUT	1/per box



**3 VALVE MANIFOLD ASSEMBLY (M200 SERIES)
WITH MOUNTING BRACKETS**

PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	QTY.
MEV103MB	1" Manifold Valve Assembly 2" inlet flanges, 1" outlet flanges with Bracket	150	2" IN 1" OUT	1

FLANGED MOUNTING BRACKET TEE

PART NO.	DESCRIPTION	QTY.
M200100TEEB	2"x1" Std Port Flanged Tee w/Mtg Bracket	1

4 Valve Manifold



4 VALVE MANIFOLD ASSEMBLY (M200 SERIES)

PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	QUANTITY
MEV104CF	1" Manifold Valve Assembly 2" inlet flanges, 1" outlet flanges	150	2" IN 1" OUT	1/per box

5 Valve Manifold



5 VALVE MANIFOLD ASSEMBLY (M200 SERIES)

PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	QUANTITY
MEV105CF	1" Manifold Valve Assembly 2" inlet flanges, 1" outlet flanges	150	2" IN 1" OUT	1/per box

MANIFOLD SYSTEMS

Electric Manifold Valves

1" 2" Standard Port & 2" Full Port

FEATURES

- 316 stainless steel ball & stem.
- Fiberglass reinforced polypropylene.
- Glass reinforced PTFE seats.
- FKM (viton type) or EPDM O-rings.
- 12-volt DC operated.
- 150 P.S.I. maximum pressure.
- Internally fused/automatic reset.
- Open/closed indicator.



MANIFOLD SYSTEMS

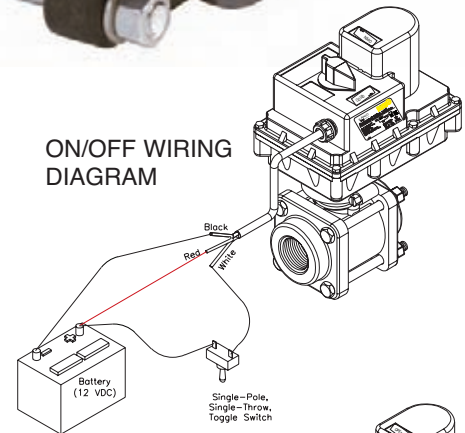
Don't forget the manifold connections on pages 58 & 59.



ON/OFF ELECTRIC VALVES $3/4$ to $1 1/4$ RESPONSE TIME

PART NO.	DESCRIPTION	MAX. PSI	FLANGE SIZE	OPENING THRU BALL	QUANTITY
MEV100CF	1" Full Port Electric Ball Valve	150	1"	1"	1
MEV200CF	2" Standard Port Electric Ball Valve	150	2" Std Port	1 1/2"	1
MEV220CF	2" Full Port Electric Ball Valve	150	2" Full Port	2"	1

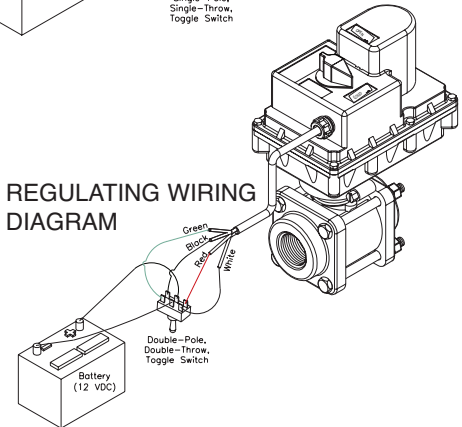
ON/OFF WIRING DIAGRAM



REGULATING ELECTRIC VALVES - 4 SECOND RESPONSE TIME

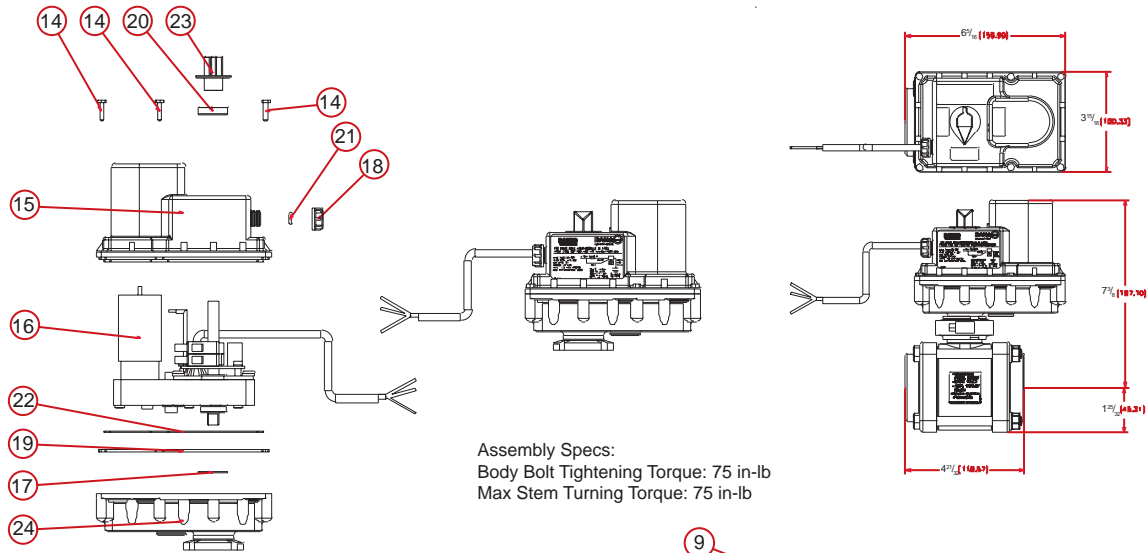
PART NO.	DESCRIPTION	MAX. PSI	FLANGE SIZE	OPENING THRU BALL	QUANTITY
MEVR100CF	1" Full Port Electric Ball Valve	150	1"	1"	1
MEVR200CF	2" Standard Port Electric Ball Valve	150	2" Std Port	1 1/2"	1
MEVR220CF	2" Full Port Electric Ball Valve	150	2" Full Port	2"	1

REGULATING WIRING DIAGRAM

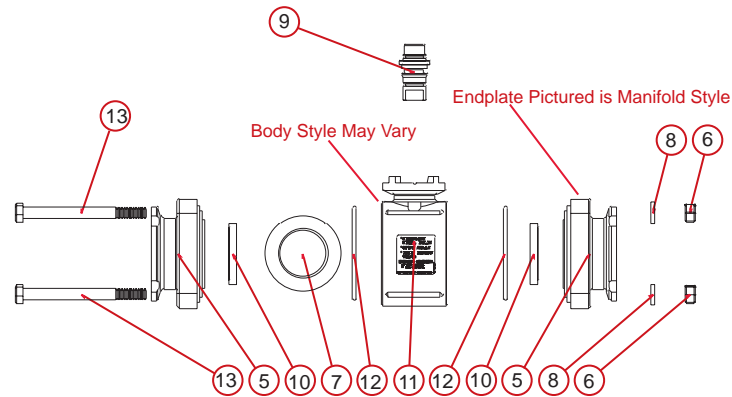
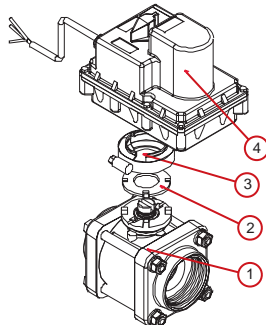


Note: 2 wire regulating and other response times available. Contact our Sales Team for part number and availability of valves.





Fast repair replacement options.



REPLACEMENT PARTS MEV100CF - MEV200CF - MEV220CF			
ITEM	PART NO.	DESCRIPTION	QTY.
1	MEV100XR1	1" FP Electric Valve Sub Assembly	1
1	MEV200XR1	2" Electric Valve Sub Assembly	1
1	MEV220XR1	2" FP Electric Valve Sub Assembly	1
2	MVE004	Electric Valve Flange Gasket	1
3	FC100	1" Flange clamp	1
4	EV3100	1" 3/4 Second 3 Wire Motor Assembly	1
4	EV4100	2" 1 1/4 Second 3 Wire Motor Assembly	1
5	VE10278A	1" Manifold Endplate for EV	2
5	VE20294A	2" Manifold Endplate for EV	2
5	VE25378A	2" FP Manifold Endplate for EV	2
6	V10119	5/16" Stainless Steel Body Nut (1")	4
6	V20019	3/8" Stainless Steel Body Nut (2")	4
7	VE10155SSH	1" EV 316 Stainless Steel Hollow Ball	1
7	VE20255SSH	2" EV 316 Stainless Steel Hollow Ball	1
7	VE25255SSH	2" FP EV 316 Stainless Steel Hollow Ball	1
8	V10118	5/16" Stainless Steel Lock Washer (1")	4
8	V20018	3/8" Stainless Steel Lock Washer (2")	4
9	MEV10151	1" Stainless Steel Stem w/Seals	1
9	MEV25151	2" Stainless Steel Stem w/Seals	1
10	VE10258A	1" Electric Ball Seat	2
10	VE20258A	2" Electric Ball Seat	2
10	VE25258	2" FP Electric Ball Seat	2
11	MEV10254A	EV Body 1"	1
11	MEV20254A	EV Body 2"	1
11	MEV25254A	EV Body 2" FP	1

REPLACEMENT PARTS MEV100CF - MEV200CF - MEV220CF			
ITEM	PART NO.	DESCRIPTION	QTY.
12	VE10264	1" EV Body FKM O-Ring	2
12	VE20264	2" EV Body FKM O-Ring	2
12	V25264	2" FP EV Body FKM O-Ring	2
13	V10117	5/16" X 3 1/2" SS Body Bolt	4
13	V20017	3/8" X 4" SS Body Bolt (2")	4
13	V25017	3/8" X 4 1/2" SS Body Bolt (2" FP)	4
14	VE15220	Housing Screw	6
15	MVE10102	EV Housing Top for Small Motor (1")	1
15	MVE25102	EV Housing Top for Large Motor(2")	1
16	VE4984	3/4" Second On/Off Motor (1")	1
16	VE4987	1 1/4" Second On/Off Motor (2")	1
17	MVE107	EV Motor Shaft Gasket 1/2" ID	1
18	MVE002	Heyco 1/4" Threaded Bushing	1
19	MVE104	Outer EV Housing Gasket	1
20	VE109E	Indicator Seal	1
21	MVE007	3mm X 5mm FKM O-Ring	1
22	MVE106	Inner EV Housing Gasket	1
23	VE107A	EV Flow Indicator	1
24	MEV10101	1" EV Housing Bottom for Large Motor	1
24	MEV25101	2" EV Housing Bottom for Large Motor	1
25	EV10210	1" Repair Kit (Includes Parts 2, 9, 10, 12)	1
25	EV20210	2" Repair Kit (Includes Parts 2, 9, 10, 12)	1
25	EV25210	2" FP Repair Kit (Includes Parts 2, 9, 10, 12)	1

3-Way Side Load Electric Manifold Valves 1" 1 1/2" & 2" Full Port

FEATURES

- 316 stainless steel ball & stem.
- Fiberglass reinforced polypropylene.
- Glass reinforced PTFE seats.
- FKM (viton type) or EPDM O-rings.
- 12-volt DC operated.
- 150 P.S.I. maximum pressure.
- Internally fused/automatic reset.
- Open/closed indicator.

Don't forget the manifold connections on pages 58 & 59.



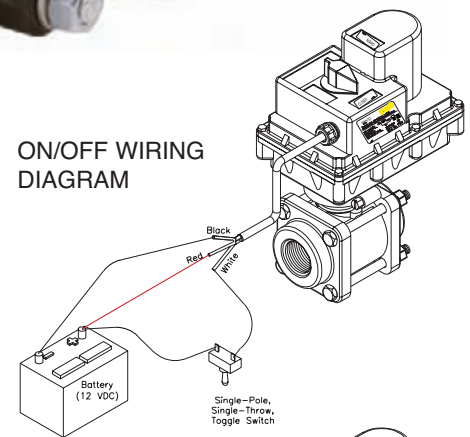
MANIFOLD SYSTEMS

SIDE LOAD:
DIRECTIONAL FLOW LEFT OR RIGHT. VALVE FLOW CANNOT BE TURNED OFF.

ON/OFF ELECTRIC VALVES ³/₄ to 1 ¹/₄ RESPONSE TIME

PART NO.	DESCRIPTION	MAX. PSI	FLANGE SIZE	OPENING THRU BALL	QUANTITY
MEV100SLCF	1" Full Port Electric Ball Valve	150	1"	1"	1
MEV200SLCF	2" Standard Port Electric Ball Valve	150	2" Std Port	1 1/2"	1
MEV220SLCF	2" Full Port Electric Ball Valve	150	2" Full Port	2"	1

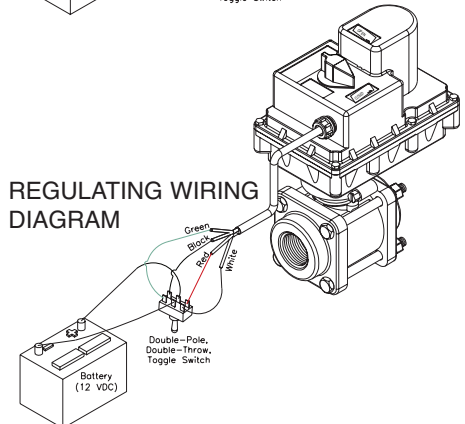
ON/OFF WIRING DIAGRAM

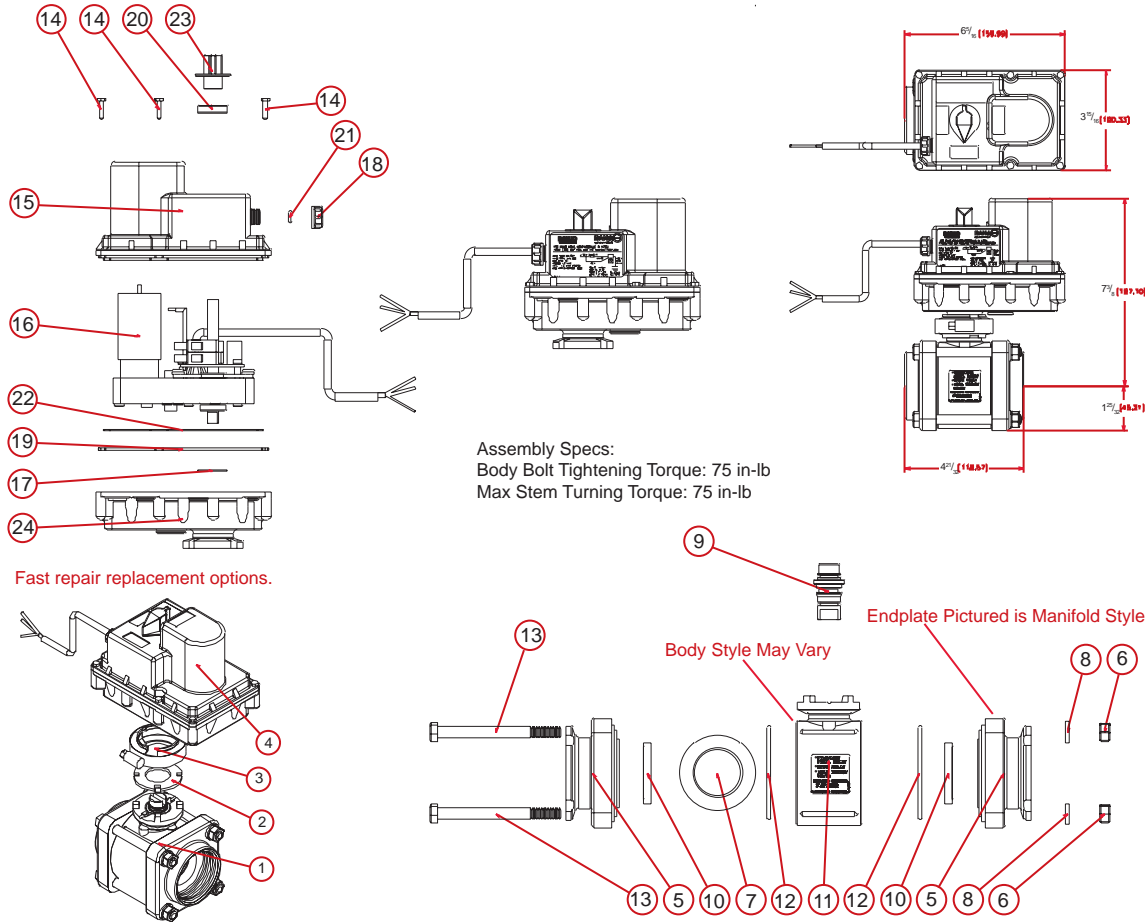


REGULATING ELECTRIC VALVES - 4 SECOND RESPONSE TIME

PART NO.	DESCRIPTION	MAX. PSI	FLANGE SIZE	OPENING THRU BALL	QUANTITY
MEVR100SLCF	1" Full Port Electric Ball Valve	150	1"	1"	1
MEVR200SLCF	2" Standard Port Electric Ball Valve	150	2" Std Port	1 1/2"	1
MEVR220SLCF	2" Full Port Electric Ball Valve	150	2" Full Port	2"	1

REGULATING WIRING DIAGRAM





REPLACEMENT PARTS MEV100SLCF - MEV200SLCF - MEV220SLCF				
ITEM	PART NO.	DESCRIPTION	QTY.	
1	MEV100SLXR1	1" FP Electric Valve Sub Assembly	1	
1	MEV200SLXR1	2" Electric Valve Sub Assembly	1	
1	MEV220SLXR1	2" FP Electric Valve Sub Assembly	1	
2	MVE004	Electric Valve Flange Gasket	1	
3	FC100	1" Flange Clamp	1	
4	EV3100	1" 3/4 Second 3 Wire Motor Assembly	1	
4	EV4100	2" 1 1/4 Second 3 Wire Motor Assembly	1	
5	VE10278A	1" Manifold Endplate for EV	2	
5	VE20294	2" Manifold Endplate for EV	2	
5	VE25378A	2" FP Manifold Endplate for EV	2	
6	V10119	5/16" Stainless Steel Body Nut (1")	4	
6	V20019	3/8" Stainless Steel Body Nut (2")	4	
7	VE10355	1" EV 316 Stainless Steel Hollow Ball	1	
7	VE20355	2" EV 316 Stainless Steel Hollow Ball	1	
7	VE25355	2" FP EV 316 Stainless Steel Hollow Ball	1	
8	V10118	5/16" Stainless Steel Lock Washer (1")	4	
8	V20018	3/8" Stainless Steel Lock Washer (2")	4	
9	MEV10151	1" Stainless Steel Stem w/Seals	1	
9	MEV25151	2" Stainless Steel Stem w/Seals	1	
10	VE10258A	1" Electric Ball Seat	2	
10	VE20258	2" Electric Ball Seat	2	
10	VE25258A	2" FP Electric Ball Seat	2	
11	MEV10354AS	EV Body 1"	1	
11	MEV20354AS	EV Body 2"	1	
11	MEV25354AS	EV Body 2" FP	1	

REPLACEMENT PARTS MEV100SLCF - MEV200SLCF - MEV220SLCF				
ITEM	PART NO.	DESCRIPTION	QTY.	
12	VE10264	1" EV Body FKM O-Ring	2	
12	VE20264	2" EV Body FKM O-Ring	2	
12	V25264	2" FP EV Body FKM O-Ring	2	
13	V10117	5/16" X 3 1/2" SS Body Bolt	4	
13	V20017	3/8" X 4" SS Body Bolt (2")	4	
13	V25017	3/8" X 4 1/2" SS Body Bolt (2" FP)	4	
14	VE15220	Housing Screw	6	
15	MVE10102	EV Housing Top for Small Motor (1")	1	
15	MVE25102	EV Housing Top for Large Motor (2")	1	
16	VE4984	3/4" Second On/Off Motor (1")	1	
16	VE4987	1 1/4" Second On/Off Motor (2")	1	
17	MVE107	EV Motor Shaft Gasket 1/2" ID	1	
18	MVE002	Heyco 1/4" Threaded Bushing	1	
19	MVE104	Outer EV Housing Gasket	1	
20	VE109E	Indicator Seal	1	
21	MVE007	3mm X 5mm FKM O-Ring	1	
22	MVE106	Inner EV Housing Gasket	1	
23	VE107A	EV Flow Indicator	1	
24	MEV10101	1" EV Housing Bottom for Large Motor	1	
24	MEV25101	2" EV Housing Bottom for Large Motor	1	
25	EV10210	1" Repair Kit (Includes Parts 2, 9, 10, 12)	1	
25	EV20210	2" Repair Kit (Includes Parts 2, 9, 10, 12)	1	
25	EV25210	2" FP Repair Kit (Includes Parts 2, 9, 10, 12)	1	

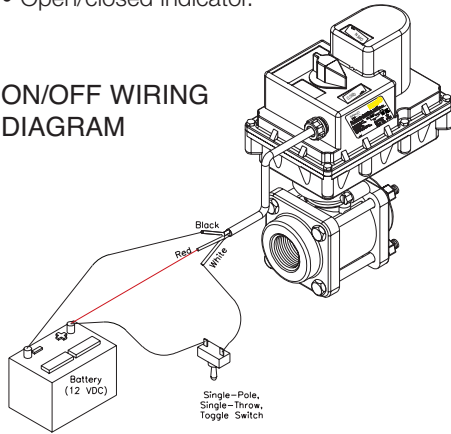
3-Way Bottom Load Electric Manifold Valves

1" 1 1/2" & 2" Full Port

FEATURES

- 316 stainless steel ball & stem.
- Fiberglass reinforced polypropylene.
- Glass reinforced PTFE seats.
- FKM (viton type) or EPDM O-rings.
- 12-volt DC operated.
- 150 P.S.I. maximum pressure.
- Internally fused/automatic reset.
- Open/closed indicator.

ON/OFF WIRING DIAGRAM



ON/OFF ELECTRIC VALVES 3/4 to 1 1/4 RESPONSE TIME

PART NO.	DESCRIPTION	MAX. PSI	FLANGE SIZE	OPENING THRU BALL	QUANTITY
MEV100BLCF	1" Full Port Electric Ball Valve	150	1"	1"	1
MEV200BLCF	2" Stand. Port Electric Ball Valve	150	2" Std Port	1 1/2"	1
MEV220BLCF	2" Full Port Electric Ball Valve	150	2" Full Port	2"	1

NOTE: NO Regulating Valve available for 3-way bottom load electric manifold valves.

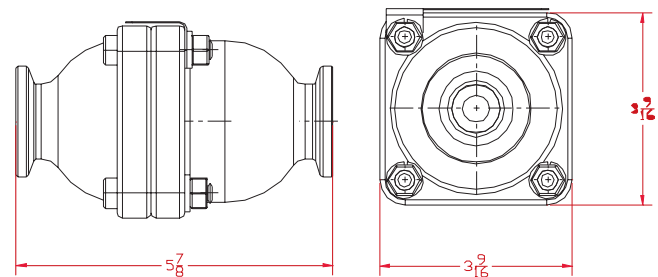
Manifold Pressure Spike Valves

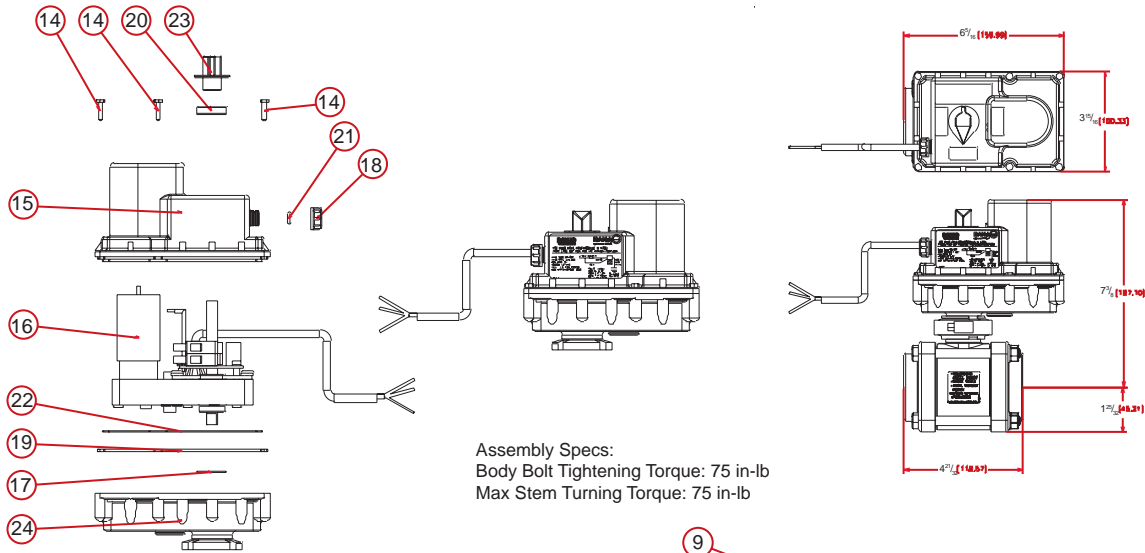
FEATURES

- 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.



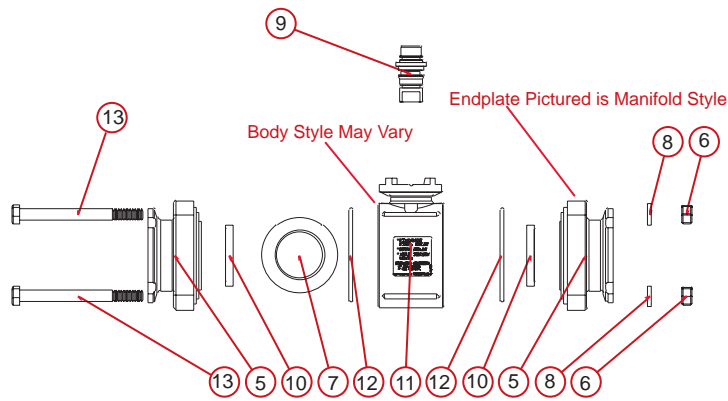
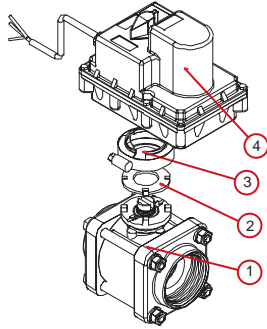
PART NO.	DESCRIPTION	PRESSURE SPIKE	QUANTITY
MPRV100-050	1" X 1" Pressure Spike Valve	50 P.S.I.	1
MPRV100-075	1" X 1" Pressure Spike Valve	75 P.S.I.	1
MPRV100-100	1" X 1" Pressure Spike Valve	100 P.S.I.	1
MPRV100-125	1" X 1" Pressure Spike Valve	125 P.S.I.	1
MPRV100-150	1" X 1" Pressure Spike Valve	150 P.S.I.	1





Assembly Specs:
 Body Bolt Tightening Torque: 75 in-lb
 Max Stem Turning Torque: 75 in-lb

Fast repair replacement options.



REPLACEMENT PARTS MEV100BLCF - MEV200BLCF - MEV220BLCF			
ITEM	PART NO.	DESCRIPTION	QTY.
1	MEV100BLXR1	1" FP Electric Valve Sub Assembly	1
1	MEV200BLXR1	2" Electric Valve Sub Assembly	1
1	MEV220BLXR1	2" FP Electric Valve Sub Assembly	1
2	MVE004	Electric Valve Flange Gasket	1
3	FC100	1" Flange clamp	1
4	EV3100	1" 3/4 Second 3 Wire Motor Assembly	1
4	EV4100	2" 1 1/4 Second 3 Wire Motor Assembly	1
5	VE10278A	1" Manifold Endplate for EV	2
5	VE20294	2" Manifold Endplate for EV	2
5	VE25378A	2" FP Manifold Endplate for EV	2
6	V10119	5/16" Stainless Steel Body Nut (1")	4
6	V20019	3/8" Stainless Steel Body Nut (2")	4
7	VE10355	1" EV 316 Stainless Steel Hollow Ball	1
7	VE20355	2" EV 316 Stainless Steel Hollow Ball	1
7	VE25355	2" FPEV 316 Stainless Steel Hollow Ball	1
8	V10118	5/16" Stainless Steel Lock Washer (1")	4
8	V20018	3/8" Stainless Steel Lock Washer (2")	4
9	MEV10151	1" Stainless Steel Stem w/Seals	1
9	MEV25151	2" Stainless Steel Stem w/Seals	1
10	VE10258A	1" Electric Ball Seat	2
10	VE20258	2" Electric Ball Seat	2
10	VE25258A	2 V FP Electric Ball Seat	2
11	MEV10354AB	EV Body 1"	1
11	MEV20354AB	EV Body 2"	1
11	MEV25354AB	EV Body 2" FP	1

REPLACEMENT PARTS MEV100BLCF - MEV200BLCF - MEV220BLCF			
ITEM	PART NO.	DESCRIPTION	QTY.
12	VE10264	1" EV Body FKM O-Ring	2
12	VE20264	2" EV Body FKM O-Ring	2
12	V25264	2" FP EV Body FKM O-Ring	2
13	V10117	5/16" X 3 1/2" SS Body Bolt	4
13	V20017	3/8" X 4" SS Body Bolt (2")	4
13	V25017	3/8" X 4 1/2" SS Body Bolt (2" FP)	4
14	VE15220	Housing Screw	6
15	MVE10102	EV Housing Top for Small Motor (1")	1
15	MVE25102	EV Housing Top for Large Motor (2")	1
16	VE4984	3/4 Sec 3 Wire On/Off Motor Assy (1")	1
16	VE4987	1 1/4 Second On/Off Motor (2")	1
17	MVE107	EV Motor Shaft Gasket 1/2" ID	1
18	MVE002	Heyco 1/4" Threaded Bushing	1
19	MVE104	Outer EV Housing Gasket	1
20	VE109E	Indicator Seal	1
21	MVE007	3mm X 5mm FKM O-Ring	1
22	MVE106	Inner EV Housing Gasket	1
23	VE107A	EV Flow Indicator	1
24	MEV10101	1" EV Housing Bottom - Large Motor	1
24	MEV25101	2" EV Housing Bottom - Large Motor	1
25	EV10210	1" Repair Kit (Includes Parts 2, 9, 10, 12)	1
25	EV20210	2 V Repair Kit (Includes Parts 2, 9, 10, 12)	1
25	EV25210	2" FP Repair Kit (Includes Parts 2, 9, 10, 12)	1

Manifold Bolted Ball Valves 4 and 6 Bolt Valves

FEATURES

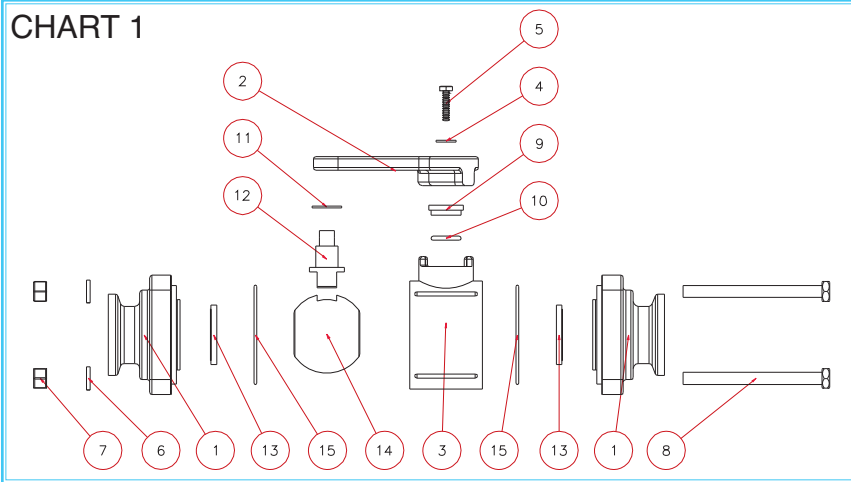
- FKM (viton type) seals.
- PTFE self-lubricating stem bushings and seats cannot stick or bind.
- Precision molded in polypropylene. Polypropylene is reinforced with fiberglass for additional strength.
- Self-aligning ball moves freely against the PTFE seats for smooth operation. The valve opens and 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

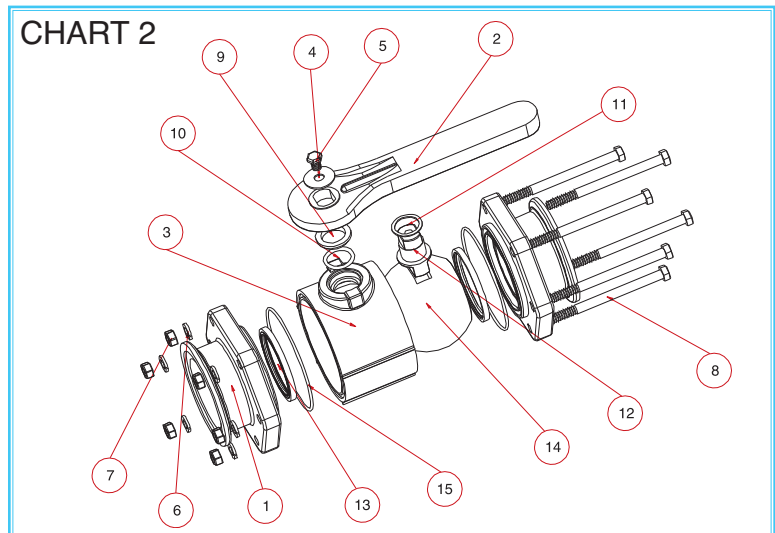
PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QUANTITY
MV100CF	1" X 1" Flange Ball Valve	150	1"	1"	24/per box
MV200CF	2" X 2" Flange Ball Valve	150	2"	1 1/2"	12/per box
MV220CF	2" X 2" FP Flange Ball Valve	150	2"	2"	8/per box
MV300	3" X 3" Standard Port Ball Valve	100	3"	2 1/2"	6/per box
MV300CF	3" X 3" Full Port Ball Valve	100	3"	3"	6/per box

CHART 1



*Valve Repair Kits Contain Items Marked With Asterisk
 1 Ball 2 Body O-Rings 1 Thrust Washer
 2 Ball Seats 1 Upper Stem Bushing 1 Stem O-Ring

CHART 2



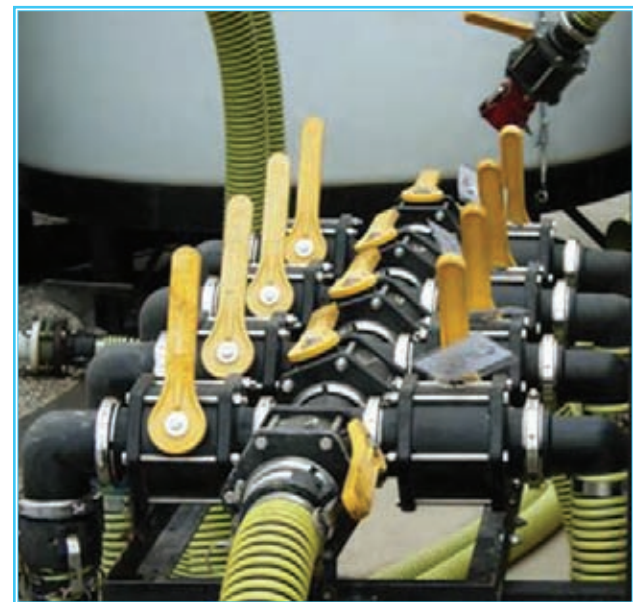
REPLACEMENT PARTS - MV100CF -CHART 1			
ITEM	PART NO.	DESCRIPTION	QTY.
1	V10278	1" Manifold Endplate	2
2	V10153A	Handle	1
3	V10254	Valve Body	1
4	V07021A	S.S. Handle Washer	1
5	V10021A	#10 x 3/4" S.S. Handle Bolt	1
6	V10118	5/16" S.S. Lock Washer	4
7	V10119	5/16" S.S. Nut	4
8	V10117	5/16" x 3 1/2" S.S. Body Bolt	4
9	V10159*	Upper Stem Bushing	1
10	V10163*	Stem O-Ring FKM (viton type)	1
11	V10060*	Thrust Washer	1
12	V10151A	Stem	1
13	V10258A*	Ball Seat	2
14	V10155*	Valve Ball	1
15	V10264	Valve Body O-Ring FKM (viton type)	2
N/S	V10200	Valve Repair Kit	N/S

REPLACEMENT PARTS - MV300 -CHART 2			
ITEM	PART NO.	DESCRIPTION	QTY.
1	MV30264	3" FP Manifold Endplate	2
2	V25153	Handle	1
3	V30254	Valve Body	1
4	V25121	S.S. Handle Washer	1
5	V25020	3/8" x 1/2" S.S. Handle Bolt	1
6	V20018	3/8" S.S. Lock Washer	6
7	V20019	3/8" S.S. Nut	6
8	V30017	3/8" x 5" S.S. Body Bolt	6
9	V25160*	Upper Stem Bushing	1
10	V25163*	Stem O-Ring FKM (viton type)	1
11	V25060*	Thrust Washer	1
12	V25151B	Stem	1
13	V30258A*	Ball Seat	2
14	V30255*	Valve Ball	1
15	V30265*	Valve Body O-Ring FKM (viton type)	2
N/S	V30200	Valve Repair Kit	N/S

REPLACEMENT PARTS - MV200CF -CHART 1			
ITEM	PART NO.	DESCRIPTION	QTY.
1	V20294	2" Manifold Endplate	2
2	V20153	Handle	1
3	V20254	Valve Body	1
4	V20021	S.S. Handle Washer	1
5	V20020	1/4" x 1/2" S.S. Handle Bolt	1
6	V20018	3/8" S.S. Lock Washer	4
7	V20019	3/8" S.S. Nut	4
8	V20017	3/8" x 4 1/2" S.S. Body Bolt	4
9	V20159*	Upper Stem Bushing	1
10	V20163*	Stem O-Ring FKM (viton type)	1
11	V20060*	Thrust Washer	1
12	V20151M	Stem	1
13	V20258A*	Ball Seat	2
14	V20255A*	Valve Ball	1
15	V20264*	Valve Body O-Ring FKM (viton type)	2
N/S	V20200	Valve Repair Kit	N/S

REPLACEMENT PARTS - MV300CF-CHART 2			
ITEM	PART NO.	DESCRIPTION	QTY.
1	V35278	3" FP Manifold Endplate	2
2	V25153	Handle	1
3	V35254	Valve Body	1
4	V25121	S.S. Handle Washer	1
5	V25020	3/8" x 1/2" S.S. Handle Bolt	1
6	V20018	3/8" S.S. Lock Washer	6
7	V20019	3/8" S.S. Nut	6
8	V35017	3/8" x 6" S.S. Body Bolt	6
9	V25160*	Upper Stem Bushing	1
10	V25163*	Stem O-Ring FKM (viton type)	1
11	V25060*	Thrust Washer	1
12	V25151B	Stem	1
13	V35258A*	Ball Seat	2
14	V35255A*	Valve Ball	1
15	V35265*	Valve Body O-Ring FKM (viton type)	2
N/S	V35200	Valve Repair Kit	1

REPLACEMENT PARTS - MV220CF CHART 1			
ITEM	PART NO.	DESCRIPTION	QTY.
1	V25478	2" FP Manifold Endplate	2
2	V25153	Handle	1
3	V25254	Valve Body	1
4	V25121	S.S. Handle Washer	1
5	V25020	3/8" x 1/2" S.S. Handle Bolt	1
6	V20018	3/8" S.S. Lock Washer	4
7	V20019	3/8" S.S. Nut	4
8	V20017	3/8" x 4" S.S. Body Bolt	4
9	V25160*	Upper Stem Bushing	1
10	V25163*	Stem O-Ring FKM (viton type)	1
11	V25060*	Thrust Washer	1
12	V25151B	Stem	1
13	V25258A*	Ball Seat	2
14	V25255A*	Valve Ball	1
15	V25264*	Valve Body O-Ring FKM (viton type)	2
N/S	V25200	Valve Repair Kit	N/S



Manifold Valves

PATENTED

“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.

2" Standard Port



VSMT200CF



VSF200CF

PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QUANTITY
VSMT200CF	2" SP Flange X 2" Male NPT	100	2"	1½"	24/per box
VSF200CF	2" SP Flange X 2" Male Adapter	100	2"	1½"	24/per box

2" Full Port



MVS220FP



MVSF220FP



MVS220CF

PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QUANTITY
MVS220FP	2" FP Flange X 2" Female NPT	100	2"	2"	8/per box
MVSF220FP	2" FP Flange X 2" Male Adapter	100	2"	2"	8/per box
MVS220CF	2" FP Flange X 2" FP Flange	100	2"	2"	8/per box

3" Standard Port



MVSF300



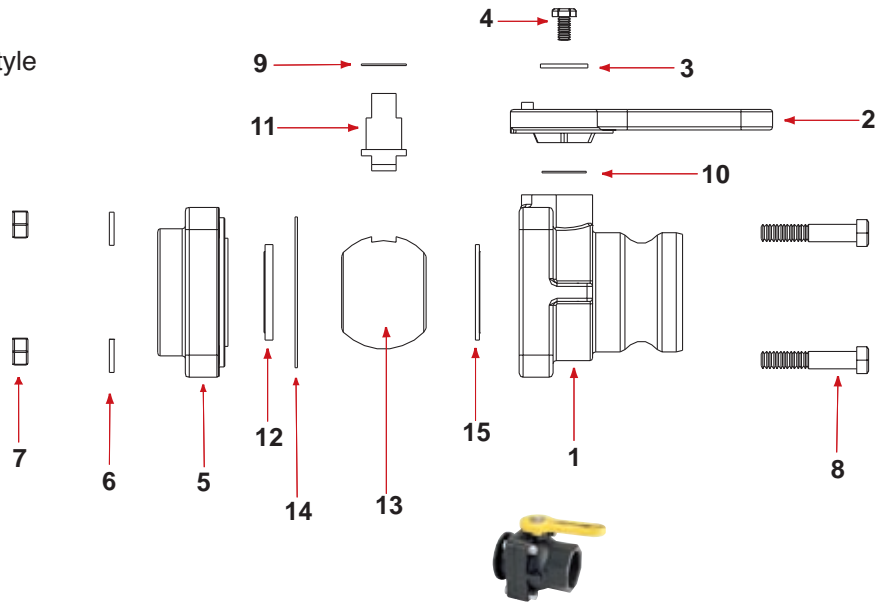
MVSMT300

PART NO.	DESCRIPTION	MAX PSI	PIPE SIZE	OPENING THRU BALL	QUANTITY
MVSF300	3" Manifold Flange X 3" Male Adapter	100	3"	2½"	6/per box
MVSMT300	3" Manifold Flange X 3" Male NPT	100	3"	2½"	6/per box

NOTE: Replacement Parts for MVSF300 and MVSMT300 on Page 21.

NOTE:

End Plates and body style may vary from picture.



REPLACEMENT PARTS -VSMT200CF - VSF200CF - MVSF220FP - MVSF220FP - MVS220CF			
ITEM	PART NO.	DESCRIPTION	QTY.
3	V20021	Handle Washer	1
4	V20020	Handle Bolt	1
6	V20018	Lock Washer	4
7	V20019	Body Nut	4
8	V20010SS	Body Bolt	4
9	V20060*	Upper Stem Bushing	1
10	V20060*	Thrust Bearing	1
11	VS20151	Stem	1



REPLACEMENT PARTS - VSMT200CF			
ITEM	PART NO.	DESCRIPTION	QTY.
1	VMT22254	2" Male NPT Style Body	1
2	VS20152SH	2" Short Style Handle	1
5	VS20294	2" Stubby End Plate	1
12	VS20258A*	Seat	2
13	VS20255*	Ball	1
14	V21204*	Body Gasket	1
N/S	VS20200*	Repair Kit	1



REPLACEMENT PARTS - VSF200CF			
ITEM	PART NO.	DESCRIPTION	QTY.
1	VF22254	2" Male Quick Connect Style Body	1
2	VS20152SH	2" Short Style Handle	1
5	VS20294	2" Stubby End Plate	1
12	VS20258A*	Seat	2
13	VS20255*	Ball	1
14	V21204*	Body Gasket	1
N/S	VS20200*	Repair Kit	1

REPLACEMENT PARTS - MVS220FP			
ITEM	PART NO.	DESCRIPTION	QTY.
1	VFT25254	2" FP Stubby Female NPT Body	1
2	VS25153	2" FP Stubby Handle	1
5	VS25378	2" Stubby End Plate	1
12	VS25258AR1	Seat	2
13	VS25255*	Ball	1
14	V25214V*	Body Gasket-FKM (viton type)	1

Valve Repair Kits Contain Items Marked With Asterisk



REPLACEMENT PARTS - MVSF220FP			
ITEM	PART NO.	DESCRIPTION	QTY.
1	VF25254	2" FP Stubby Body - Male Adapter	1
2	VS25153	2" FP Stubby Handle	1
5	VS25378	2" Stubby End Plate	1
12	VS25258AR1	Seat	2
13	VS25255*	Ball	1
14	V25214*	Body Gasket	1



REPLACEMENT PARTS - MVS220CF			
ITEM	PART NO.	DESCRIPTION	QTY.
1	MV25254	2" Full Port Manifold Body	1
2	VS25153	2" Full Port Stubby Handle	1
5	VS25378	2" Stubby End Plate	1
12	VS25258AR1	Seat	2
13	VS25255	Ball	1
14	V25214V	Body Gasket- FKM (viton type)	1

3-Way Manifold 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 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.
- FKM (viton type) seals.
- PTFE self-lubricating stem bushings and seats cannot stick or bind.
- Maximum operating pressure 100 P.S.I.

MANIFOLD SYSTEMS



MV100BL



MV100SL

4 BOLT BOTTOM LOAD MANIFOLD VALVES

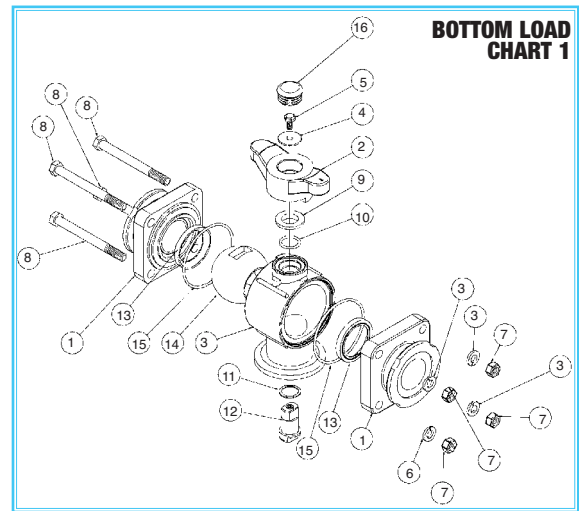
PART NO.	DESCRIPTION	MAX PSI	FLANGE SIZE	OPENING THRU BALL	QUANTITY PER BOX	HANDLE TYPE
MV100BL	1" Flanges	100	1"	1"	18/Per Box	T
MV200BL	2" Standard Port Flanges	100	2" SP	1 1/2"	12/Per Box	T
MV220BL	2" Full Port Flanges	100	2" FP	2"	8/Per Box	Straight

BOTTOM LOAD: Directional flow right or left. Valve can be turned off to stop flow.

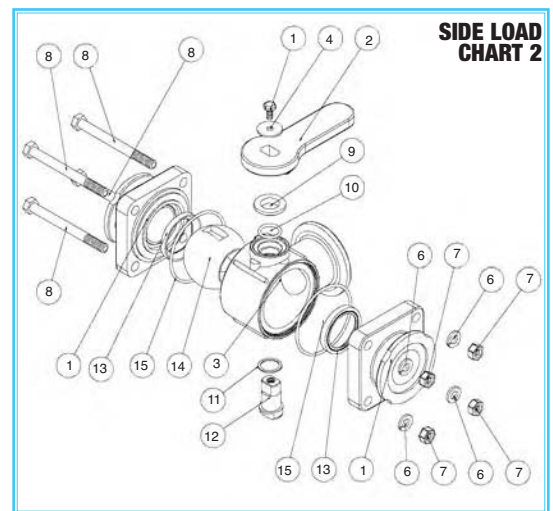
4 BOLT SIDE LOAD MANIFOLD VALVES

PART NO.	DESCRIPTION	MAX PSI	FLANGE SIZE	OPENING THRU BALL	QUANTITY PER BOX	HANDLE TYPE
MV100SL	1" Flanges	100	1"	1"	18/Per Box	T
MV200SL	2" Standard Port Flanges	100	2" SP	1 1/2"	10/Per Box	Straight
MV220SL	2" Full Port Flanges	100	2" FP	2"	8/Per Box	Straight
MVT220SL	2" FP Flanges (NonStock)	100	2" FP	2"	8/Per Box	T

SIDE LOAD: Directional flow right or left. Valve cannot be turned off.



BOTTOM LOAD CHART 1



SIDE LOAD CHART 2

Accessories for valves on page 10. If not listed, no optional handle is available.



MV300BL



3" 6 BOLT BOTTOM LOAD MANIFOLD VALVES

PART NO.	DESCRIPTION	MAX PSI	FLANGE SIZE	OPENING THRU BALL	QUANTITY PER BOX	HANDLE TYPE
MV300BL	3" Flanges	100	3"	3"	6/Per Box	Straight

REPLACEMENT PARTS – MV300BL			
ITEM	PART NO.	DESCRIPTION	QTY.
1	MV35278	3" Manifold End Plate	2
2	V25353B	Handle (Straight)	1
3	MV35254BL	3" FP Manifold Body	1
4	V25121	Handle Washer	1
5	V25020	Handle Bolt	1
6	V20018	Lockwasher	4
7	V20019	Body Nut	4
8	V25017	Body Bolt	4
9	V25160	Upper Stem Bushing	1
10	V25163	Stem O-Ring –FKM(viton type)	1
11	V25060	Thrust Bushing	1
12	V25151B	Stem	1
13	V35258A	Seat	2
14	V35255BL	Bottom Load Ball	1
15	V35264BL	Body O-Ring	2



BOTTOM LOAD - Chart 1

REPLACEMENT PARTS – MV100BL				
ITEM	PART NO.	DESCRIPTION	QTY.	
1	VE10278	1" Manifold End Plate	2	
2	V10353TB	Handle (T)	1	
3	MV10354B	1" Manifold Body	1	
4	V07021A	Handle Washer	1	
5	V10020A	Handle Bolt	1	
6	V10118	Lockwasher	4	
7	V10119	Body Nut	4	
8	V10117	Body Bolt	4	
9	V10159	Upper Stem Bushing	1	
10	V10163	Stem O-Ring – FKM (viton type)	1	
11	V10060	Thrust Bushing	2	
12	V10151A	Stem	1	
13	VE10258A	Seat	2	
14	V10355B	Bottom Load Ball	1	
15	VE10264	Body O-Ring	2	
16	V20353C	Handle Cap	1	

REPLACEMENT PARTS – MV200BL				
ITEM	PART NO.	DESCRIPTION	QTY.	
1	V20394	2" Manifold End Plate	2	
2	V20353TB	Handle (T)	1	
3	MV20354B	2" Manifold Body	1	
4	V20021	Handle Washer	1	
5	V20020	Handle Bolt	1	
6	V20018	Lockwasher	4	
7	V20019	Body Nut	4	
8	V20017	Body Bolt	4	
9	V20159	Upper Stem Bushing	1	
10	V20163	Stem O-Ring – FKM (viton type)	1	
11	V20060	Thrust Bushing	1	
12	V20151M	Stem	1	
13	VE20258A	Seat	2	
14	V20355B	Bottom Load Ball	1	
15	VE20264	Body O-Ring	2	
16	V20353C	Handle Cap	1	

REPLACEMENT PARTS – MV220BL				
ITEM	PART NO.	DESCRIPTION	QTY.	
1	V25378	2" Manifold End Plate	2	
2	V25353B	Handle (Straight)	1	
2	V25353TB	Handle (T)	1	
3	MV25354B	2" FP Manifold Body	1	
4	V25121	Handle Washer	1	
5	V25020	Handle Bolt	1	
6	V20018	Lockwasher	4	
7	V20019	Body Nut	4	
8	V25017	Body Bolt	4	
9	V25160	Upper Stem Bushing	1	
10	V25163	Stem O-Ring – FKM (viton type)	1	
11	V25060	Thrust Bushing	1	
12	V25151B	Stem	1	
13	V25258	Seat	2	
14	V25355B	Bottom Load Ball	1	
15	V25264	Body O-Ring	2	

SIDE LOAD - Chart 2

REPLACEMENT PARTS – MV100SL				
ITEM	PART NO.	DESCRIPTION	QTY.	
1	VE10278	1" Manifold End Plate	2	
2	V10353TS	Handle (T)	1	
3	MV10354S	1" Manifold Body	1	
4	V07021A	Handle Washer	1	
5	V10020A	Handle Bolt	1	
6	V10118	Lockwasher	4	
7	V10119	Body Nut	4	
8	V10117	Body Bolt	4	
9	V10159	Upper Stem Bushing	1	
10	V10163	Stem O-Ring – FKM (viton type)	1	
11	V10060	Thrust Bushing	1	
12	V10151A	Stem	1	
13	VE10258A	Seat	2	
14	V10355S	Side Load Ball	1	
15	VE10264	Body O-Ring	2	
16	V20353C	Handle Cap	1	

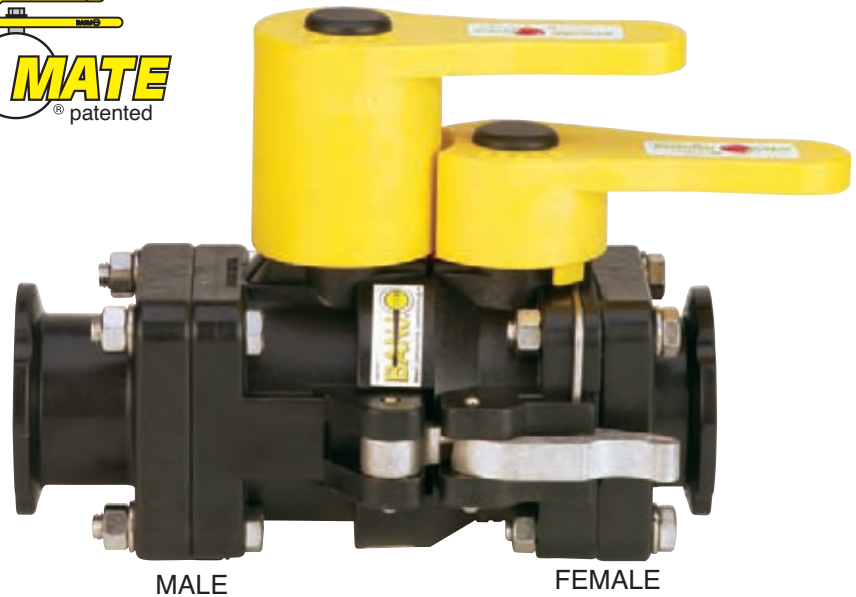
REPLACEMENT PARTS – MV200SL				
ITEM	PART NO.	DESCRIPTION	QTY.	
1	V20394	2" Manifold End Plate	2	
2	V20153SH	Handle (Straight)	1	
3	MV20354S	2" Manifold Body	1	
4	V20021	Handle Washer	1	
5	V20020	Handle Bolt	1	
6	V20018	Lockwasher	4	
7	V20019	Body Nut	4	
8	V20017	Body Bolt	4	
9	V20159	Upper Stem Bushing	1	
10	V20163	Stem O-Ring – FKM (viton type)	1	
11	V20060	Thrust Bushing	1	
12	V20151M	Stem	1	
13	VE20258A	Seat	2	
14	V20355S	Side Load Ball	1	
15	VE20264	Body O-Ring	2	

REPLACEMENT PARTS – MV220SL				
ITEM	PART NO.	DESCRIPTION	QTY.	
1	V25378	2" Manifold End Plate	2	
2	V25153SH	Handle (Straight)	1	
2	V25353TS	Handle (T) (MVT220SL only)	1	
3	MV25354S	2" FP Manifold Body	1	
4	V25121	Handle Washer	1	
5	V25020	Handle Bolt	1	
6	V20018	Lockwasher	4	
7	V20019	Body Nut	4	
8	V25017	Body Bolt	4	
9	V25160	Upper Stem Bushing	1	
10	V25163	Stem O-Ring – FKM (viton type)	1	
11	V25060	Thrust Bushing	1	
12	V25151B	Stem	1	
13	V25258	Seat	2	
14	V25355S	Side Load Ball	1	
15	V25264	Body O-Ring	2	

Manifold Dry Disconnect

FEATURES

- Lightweight.
- Unrestricted 1 1/2" flow.
- Minimal fluid spillage.
- Easy to use.
- Economical.
- Reduces risk of exposure.
- Wide range of chemical resistance.
- Cannot be uncoupled in open position.
- Handles cannot be opened after male and female are separated.
- 100 P.S.I. maximum operating pressure.



MALE

FEMALE

NOTE: Male & Female Sold Separately. Replacement Parts for Manifold Dry-Mate on Page 69.

MANIFOLD DRY DISCONNECT

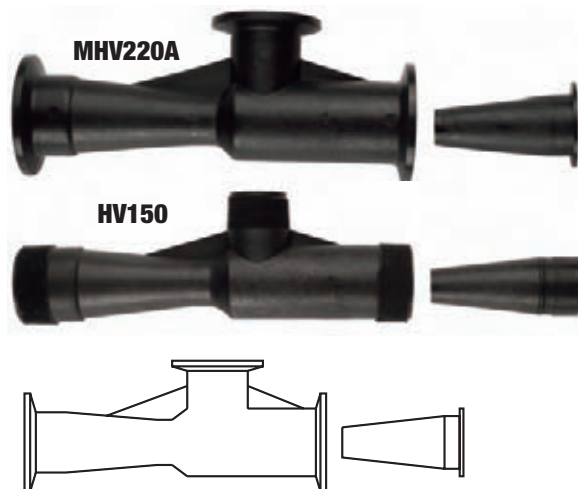
PART NO.	DESCRIPTION	MAX PSI	FLANGE SIZE	OPENING THRU BALL	QUANTITY PER BOX
DM200ACF	2" SP Flanged Male Dry-Mate	100	2" SP	1 1/2"	1/Per Box
DM200DCF	2" SP Flanged Female Dry-Mate	100	2" SP	1 1/2"	1/Per Box



Polypropylene Inductors

FEATURES

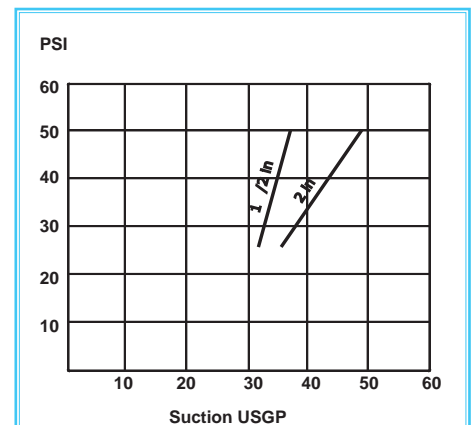
- Threaded or Manifold ends.
- Glass filled polypropylene.
- 1 1/2" & 2" sizes available.



Each venturi comes in two pieces

PART NO.	DESCRIPTION	OPENING SIZE	PRESSURE @PUMP	VOLUME DRAW*
HV150	1 1/2" MPT Polypropylene Venturi	5/16"	50 PSI	37 USGPM
HV200	2" MPT Polypropylene Venturi	7/16"	50 PSI	49 USGPM
MHV200	2" Manifold Polypro Venturi 1 1/2" Port	5/16"	50 PSI	37 USGPM
MHV220A	2" FP Manifold Polypropylene Venturi	7/16"	50 PSI	49 USGPM

*Note: Tests done with water at ambient temperature. Pump used for test was a 2" Banjo (5 vane impeller) driven by a 5.5 hp Honda gas motor. Performance may vary depending on pump used & product being pumped.



NOTE: The venturi is designed for use with a volume pump. Typical volumes and pressures used to operate the venturi would be in the 80 to 240 US GPM range at pressures from 26 to 52 P.S.I.



Manifold Inductor System

FEATURES

- Installed after pump; suction completely empties inductor tank.
- Keeps Tank Free of Chemicals.
- 2" & 3" Full Port Flow.
- Easy Assembly/ Installation With Manifold Connections.

Draws Wettable Powders From Inductor Tank for thorough Chemical Mixing.

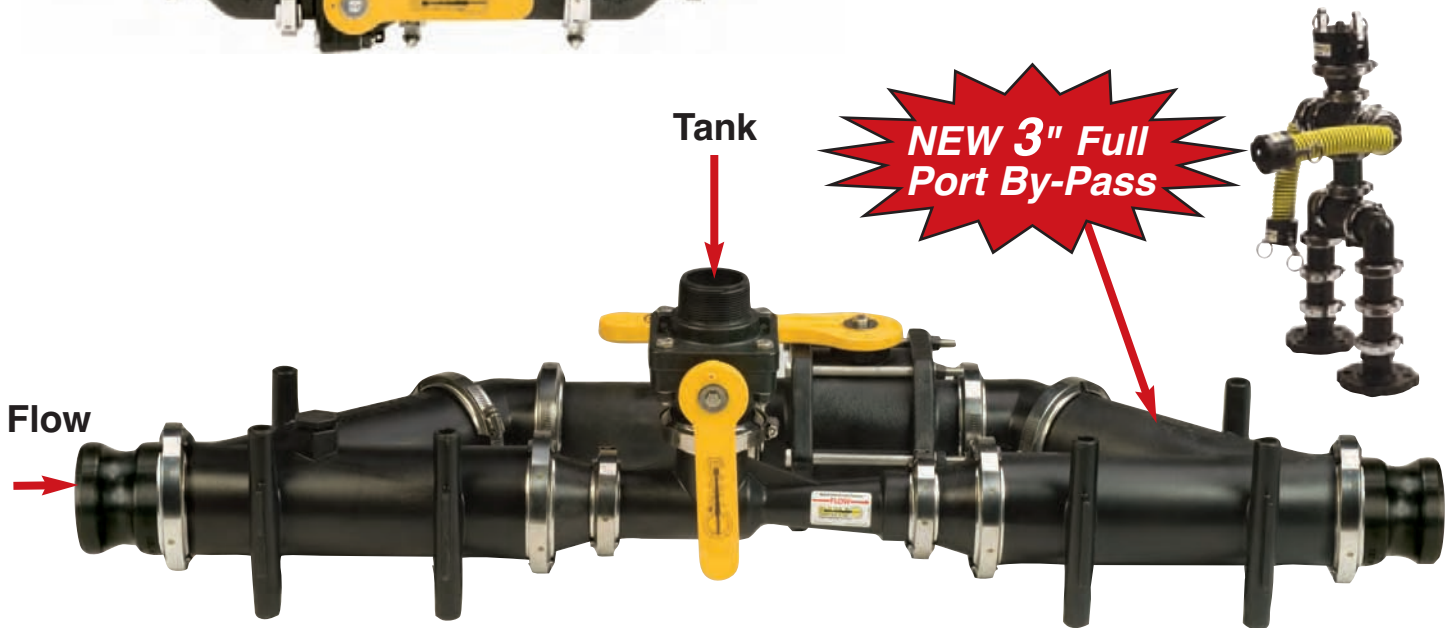


MANIFOLD VENTURI SYSTEM			
PART NO.	DESCRIPTION	QTY.	
MIS220AA	Manifold Inductor System, Male Adapter x Male Adapter 2" Full Port - Assembled	1	
MIS220AAK	Manifold Inductor System, Male Adapter x Male Adapter 2" Full Port -Kit-Assembly Required	1	

Note: Tank not included.



Top View



MANIFOLD VENTURI SYSTEM		
PART NO.	DESCRIPTION	
MIS300AA	Manifold Inductor System, Male Adapter x Male Adapter 3" Full Port - Assembled	

Note: Tank not included.

Flanged Fittings, Clamps & Gaskets on page 59.

MANIFOLD SYSTEMS

Manifold Fittings

FEATURES

- Positive Seals.
- Quick & Easy Assembly.
- Easy On/Off Hose Connections.
- 360° Orientation.
- 1" & 2" fittings pressure to 150 P.S.I. at 70°F.
- 3" fittings pressure to 125 P.S.I. at 70°F.



FLANGED COUPLINGS

PART NO.	DESCRIPTION	QTY.
M100CPG	1" x 1" Flange	10
M200CPG	2" x 2" Standard Port Flange	10
M220CPG	2" x 2" Full Port Flange	10
M220CPG6	2" x 2" Full Port Flange x 6"	1
M300CPG	3" x 3" Full Port Flange	1
M300CPG7	3" x 3" Full Port Flange x 7"	1



90° FLANGED COUPLINGS

PART NO.	DESCRIPTION	QTY.
M100CPG90	1" x 1" Flange 90°	10
M200CPG90	2" x 2" Standard Port Flange 90°	1
M200CPG90SH	2" x 2" Std Port Flange 90° Short	1
M220CPG90	2" x 2" Full Port Flange	1
M300CPG90	3" x 3" Flange 90°	1



45° FLANGED COUPLINGS

PART NO.	DESCRIPTION	QTY.
M100CPG45	1" Flange x 45°	10
M200CPG45	2" Flange x 45°	10
M220CPG45	2" FP Flange x 45°	10
M300CPG45	3" Flange x 45°	1



FLANGED REDUCER COUPLINGS

PART NO.	DESCRIPTION	QTY.
M200100CPG	2" Std Port x 1" Reducer Flange	10
M220200CPG	2" Full Port x 2" Std Port Reducer Flange	10
M300200CPG	3" x 2" Std. Port Reducer Flange	1
M300220CPG	3" x 2" Full Port Reducer Flange	1



FLANGED TEE

PART NO.	DESCRIPTION	QTY.
M100TEE	1" Flanged Tee	10
M101TEE	1" Flanged Tee - Long	10
M200100TEE	2" Std Port x 1" Flanged Tee	1
M200TEE	2" Std Port Flanged Tee	1
M200100TEEB	2"x1"Std Port Flanged Tee w/Mtg Bracket	1
M220100TEE	2" FP Flanged Tee x 1" Flanged Tee	1
M220TEE	2" Full Port Flanged Tee	1
M300TEE	3" Flanged Tee	1



FLANGED Y COUPLINGS

PART NO.	DESCRIPTION	QTY.
M220Y45	2" FP x 2" FP x 2" FP Y Flange 45°	10
M220YG45	2" FP x 2" FP x 2" FP Y Flange 45° with 3/4" gauge port	10
M300Y45	3" FP x 3" FP x 3" FP Y Flange 45°	1



FLANGE X MALE BSP (BRITISH STANDARD PIPE)

PART NO.	DESCRIPTION	QTY.
M100BSP	1" Manifold Flange x 1" Male BSP	10
M200BSP	2" Manifold Flange x 2" Male BSP	10
M220BSP	2" FP Manifold Flange x 2" Male BSP	10
M300BSP	3" FP Manifold Flange x 3" Male BSP	1



FLANGE X FEMALE NPT THREAD

PART NO.	DESCRIPTION	QTY.
M100050FPT	1" Flange x 1/2" Pipe Thread	10
M100075FPT	1" Flange x 3/4" Pipe Thread	10
M100FPT	1" Flange x 1" Pipe Thread	10
M200FPT	2" SP Flange x 2" Pipe Thread	1
M220FPT	2" FP Flange x 2" Pipe Thread	1
M300FPT	3" Flange x 3" Pipe Thread	1




FLANGE X NPT THREAD POLY

PART NO.	DESCRIPTION	QTY.
M100075MPT	1" Flange x 3/4" Male Thread	10
M100MPT	1" Flange x 1" Male Thread	10
M100125MPT	1" Flange x 1 1/4" Male Thread	10
M200125MPT	2" SP Flange x 1 1/4" Male Thread	10
M200150MPT	2" SP Flange x 1 1/2" Male Thread	10
M200MPT	2" SP Flange x 2" Male Thread	1
M220MPT	2" FP Flange x 2" Male Thread	1
M300MPT	3" Flange x 3" Male Thread	1




FLANGE PLUGS (SOLID & W/GAUGE PORT)


PART NO.	DESCRIPTION	QTY.
M100PLG	1" Flange Plug	10
M200PLG	2" Std Port Flange Plug	10
M220PLG	2" Full Port Flange Plug	10
M300PLG	3" Flange Plug	10
M100PLG025	1" Flange Plug with 1/4" FPT	10
M200PLG018	2" SP Flange Plug with 1/8" FPT	10
M200PLG025	2" SP Flange Plug with 1/4" FPT	10
M200PLG038	2" SP Flange Plug with 3/8" FPT	10
M200PLG050	2" SP Flange Plug with 1/2" FPT	10
M200PLG075	2" SP Flange Plug with 3/4" FPT	10
M200PLG100	2" SP Flange Plug with 1" FPT	10
M220PLG075	2" FP Flange Plug with 3/4" FPT	10
M300PLG075	3" SP Flange Plug with 3/4" FPT	10
M300PLG100	3" SP Flange Plug with 1" FPT	10




FLANGED CROSS			
PART NO.	DESCRIPTION	QTY.	
M100CR	1" Flanged Cross	10	
M200CR	2" Std Port Flanged Cross	1	
M220CR	2" Full Port Flanged Cross	1	
M300CR	3" Flanged Cross	1	




FLANGE X MALE NPT THREAD - 316 SS			
PART NO.	DESCRIPTION	QTY.	
M100MPTSS	1" Flange x 1" Male Thread	1	
M200125MPTSS	2" SP Flange x 1 1/4" Male Thread	1	
M200150MPTSS	2" SP Flange x 1 1/2" Male Thread	1	
M200MPTSS	2" SP Flange x 2" Male Thread	1	
M220150MPTSS	2" FP Flange x 1 1/2" Male Thread	1	
M220MPTSS	2" FP Flange x 2" Male Thread	1	
M300MPTSS	3" Flange x 3" Male Thread	1	




FLANGE X MALE QDC			
PART NO.	DESCRIPTION	QTY.	
M100A	1" Manifold Flange x 1" Male Adapter	10	
M200A	2" Manifold Flange x 2" Male Adapter	10	
M220A	2" FP Manifold Flange x 2" Male Adapter	10	
M300A	3" FP Manifold Flange x 3" Male Adapter	1	




FLANGE X SOCKET WELD - 316 SS			
PART NO.	DESCRIPTION	QTY.	
M100SWFSS	1" Flange x 1" SW Fitting, 316 SS	1	
M200SWFSS	2" Flange x 2" SW Fitting, 316 SS	1	
M220SWFSS	2" FP Flange x 2" SW Fitting, 316 SS	1	
M300SWFSS	3" Flange x 3" SW Fitting, 316 SS	1	




FLANGE X HOSE BARB			
PART NO.	DESCRIPTION	QTY.	
M100075BRB	1" Flange x 3/4" Hose Barb	10	
M100BRB	1" Flange x 1" Hose Barb	10	
M100125BRB	1" Flange x 1 1/4" Hose Barb	10	
M200100BRB	2" SP Flange x 1" Hose Barb	10	
M200125BRB	2" SP Flange x 1 1/4" Hose Barb	10	
M200150BRB	2" SP Flange x 1 1/2" Hose Barb	10	
M200BRB	2" SP Flange x 2" Hose Barb	10	
M220125BRB	2" FP Flange x 1 1/4" Hose Barb	1	
M220150BRB	2" FP Flange x 1 1/2" Hose Barb	1	
M220BRB	2" FP Flange x 2" Hose Barb	1	
M300220BRB	3" Flange x 2" Hose Barb	1	
M300BRB	3" Flange x 3" Hose Barb	1	




FLANGE CLAMPS & GASKETS			
PART NO.	DESCRIPTION	QTY.	
FC100	100 Series Worm Screw Clamp	10	
FC200	200 Series Std. Port Worm Screw Clamp	10	
FC220	220 Series Full Port Worm Screw Clamp	10	
FC300	300 Series Worm Screw Clamp	10	
M100G	100 Series EPDM Gasket	1	
M100GV	100 Series FKM (viton type) Gasket	1	
150G	200 Series Standard Port EPDM Gasket	1	
150GV	200 Series Standard Port FKM (viton type) Gasket	1	
200G	220 Series Full Port Gasket EPDM	1	
200GV	220 Series Full Port Gasket FKM (viton type)	1	
300G	300 Series EPDM Gasket	1	
300GV	300 Series FKM (viton type) Gasket	1	




FLANGE X HOSE BARB WITH 90° ELBOW			
PART NO.	DESCRIPTION	QTY.	
M100075BRB90	1" Flange x 3/4" Hose Barb 90° Elbow	10	
M100BRB90	1" Flange x 1" Hose Barb 90° Elbow	10	
M100125BRB90	1" Flange x 1 1/4" Hose Barb 90° Elbow	10	
M100150BRB90	1" Flange x 1 1/2" Hose Barb 90° Elbow	10	
M200100BRB90	2" Standard Port Flange x 1" Hose Barb 90° Elbow	10	
M200125BRB90	2" Standard Port Flange x 1 1/4" Hose Barb 90° Elbow	10	
M200150BRB90	2" Standard Port Flange x 1 1/2" Hose Barb 90° Elbow	10	
M200BRB90	2" Standard Port Flange x 2" Hose Barb 90° Elbow	10	
M220150BRB90	2" Full Port Flange x 1 1/2" Hose Barb 90° Elbow	1	
M220BRB90	2" Full Port Flange x 2" Hose Barb 90° Elbow	1	
M300220BRB90	3" x Flange x 2" Hose Barb 90° Elbow	1	
M300BRB90	3" Flange x 3" Hose Barb 90° Elbow	1	




U BOLTS			
PART NO.	DESCRIPTION	QTY.	
UB100	100 Series Mounting "U" Bolt-SS	1	
UB202	200 Series Mounting "U" Bolt-SS	1	
UB220	220 Series Mounting "U" Bolt-SS	1	



FLANGE X HOSE BARB WITH 45° ELBOW			
PART NO.	DESCRIPTION	QTY.	
M100BRB45	1" Flange x 1" Hose Barb 45° Elbow	10	
M200BRB45	2" Std. Port Flange x 2" Hose Barb 45°	10	
M220BRB45	2" Full Port Flange x 2" Hose Barb 45°	10	
M300BRB45	3" Flange x 3" Hose Barb 45° Elbow	10	



FLANGE X HOSE BARB			
PART NO.	DESCRIPTION	QTY.	
M100100HBT	1" Flange x 1" Hose Barb Tee	10	

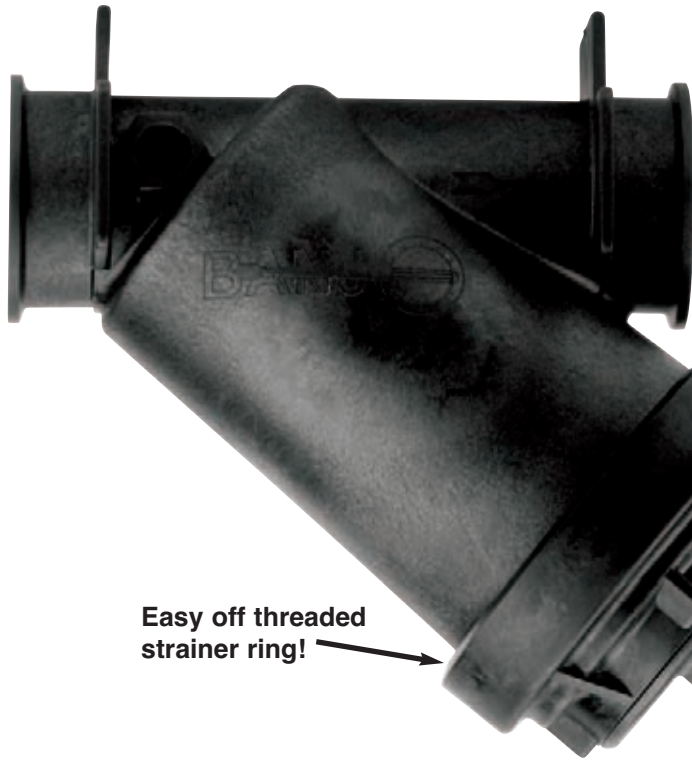


BOOM NOZZLE PIPE ADAPTER			
PART NO.	DESCRIPTION	QTY.	
M100PA	1" Flanged Pipe Adapter	1	
M100PAT	1" Flanged Pipe Adapter Tee	1	
M100PLG	1" Flanged Pipe Plug	1	

See Bolted Mounting Bracket On Page 10.

Manifold Line Strainers

MANIFOLD SYSTEMS



FEATURES

- EPDM Gaskets.
- 304 Stainless Steel Screens.
- 75 P.S.I. maximum.

Threaded end cap to remove screen!

Easy off threaded strainer ring!

3" MANIFOLD LINE "Y" STRAINERS

PART NO.	DESCRIPTION	MAX PSI	
MLS300-04	3" Manifold Line Strainer with 4 Mesh Screen	100	
MLS300-08	3" Manifold Line Strainer with 8 Mesh Screen	100	
MLS300-12	3" Manifold Line Strainer with 12 Mesh Screen	100	
MLS300-20	3" Manifold Line Strainer with 20 Mesh Screen	100	
MLS300-50	3" Manifold Line Strainer with 50 Mesh Screen	100	



FEATURES

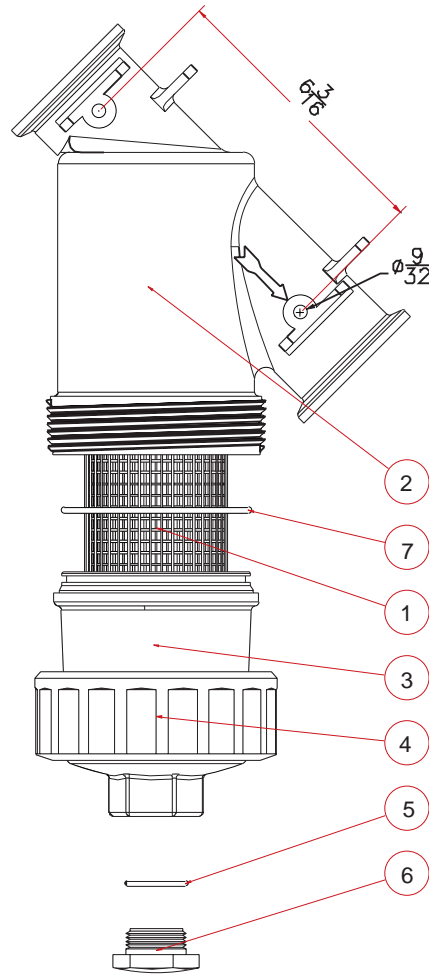
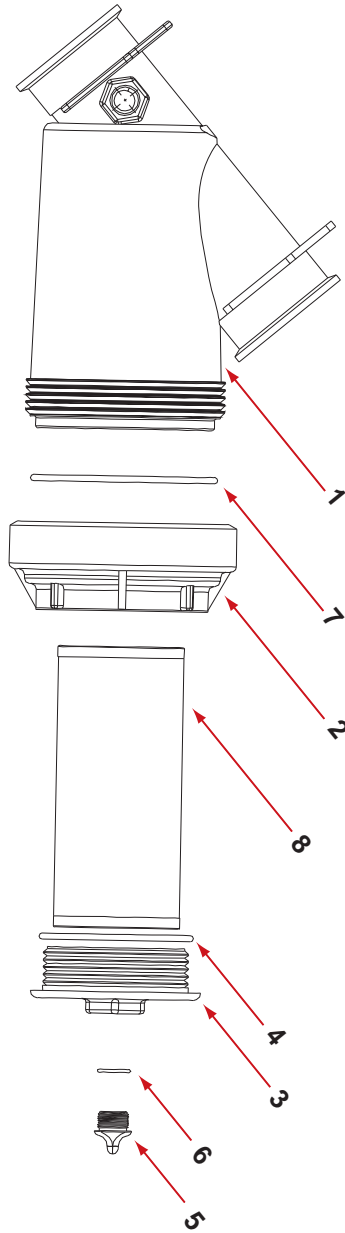
- EPDM Gaskets.
- 316 Stainless Steel Screens.
- 150 P.S.I. maximum.

Easy off threaded strainer ring!

MANIFOLD 2" FULL PORT "Y" STRAINERS

PART NO.	DESCRIPTION	MAX PSI	
MLS222BC	2" Full Port Flanged Body and Cap	150	
MLS222-04	2" Full Port Flanged "Y" Strainer with 4 Mesh Screen	150	
MLS222-08	2" Full Port Flanged "Y" Strainer with 8 Mesh Screen	150	
MLS222-10	2" Full Port Flanged "Y" Strainer with 10 Mesh Screen	150	
MLS222-16	2" Full Port Flanged "Y" Strainer with 16 Mesh Screen	150	
MLS222-30	2" Full Port Flanged "Y" Strainer with 30 Mesh Screen	150	
MLS222-50	2" Full Port Flanged "Y" Strainer with 50 Mesh Screen	150	
MLS222-80	2" Full Port Flanged "Y" Strainer with 80 Mesh Screen	150	
MLS222-100	2" Full Port Flanged "Y" Strainer with 100 Mesh Screen	150	





REPLACEMENT PARTS - MLS300				
ITEM	PART NO.	DESCRIPTION	QTY.	
1	MLS300B	3" Manifold Strainer Body	1	
2	MLS300CAP	3" Strainer Cap	1	
3	LS300EC	End Cap	1	
4	LS300ECG	3" Strainer End Cap Gasket	1	
5	13777	3" Strainer End Cap Plug	1	
6	13778	3" Strainer End Cap Plug Gasket	1	
7	MLS300G	3" Strainer Cap Gasket	1	
8	LS304	3" 4 Mesh Line Strainer Screen	1	
8	LS306	3" 6 Mesh Line Strainer Screen	1	
8	LS308	3" 8 Mesh Line Strainer Screen	1	
8	LS312	3" 12 Mesh Line Strainer Screen	1	
8	LS320	3" 20 Mesh Line Strainer Screen	1	
8	LS350	3" 50 Mesh Line Strainer Screen	1	

REPLACEMENT PARTS - MLS220				
ITEM	PART NO.	DESCRIPTION	QTY.	
1	LST204SS	316SS 4 Mesh Strainer Screen	1	
1	LST206SS	316SS 6 Mesh Strainer Screen	1	
1	LST208SS	316SS 8 Mesh Strainer Screen	1	
1	LST210SS	316SS 10 Mesh Strainer Screen	1	
1	LST216SS	316SS 16 Mesh Strainer Screen	1	
1	LST230SS	316SS 30 Mesh Strainer Screen	1	
1	LST250SS	316SS 50 Mesh Strainer Screen	1	
1	LST280SS	316SS 80 Mesh Strainer Screen	1	
1	LST2100SS	316SS 100 Mesh Strainer Screen	1	
2	MLS220B1	Strainer Body	1	
3	MLS220C1	Strainer Cap	1	
4	MLS220R1	Strainer Ring	1	
5	LSQ200R	Plug Gasket	1	
6	LSQ200PL	Plug	1	
7	MLS220G1	Body Gasket	1	
2-7	MLS220BC	Complete Strainer Less Screen	1	

Manifold Line Strainers

MANIFOLD SYSTEMS



FEATURES

- EPDM Gaskets.
- 316 Stainless Steel Screens.
- 150 P.S.I. maximum.

MANIFOLD 2" "Y" STRAINERS

PART NO.	DESCRIPTION	MAX PSI	
MLS200BC	2" Standard Port Flanged "Y" Strainer Body and Cap	150	
MLS200-06	2" Standard Port Flanged "Y" Strainer with 6 Mesh poly scr.	150	
MLS200-12	2" Standard Port Flanged "Y" Strainer with 12 Mesh	150	
MLS200-20	2" Standard Port Flanged "Y" Strainer with 20 Mesh	150	
MLS200-30	2" Standard Port Flanged "Y" Strainer with 30 Mesh	150	
MLS200-50	2" Standard Port Flanged "Y" Strainer with 50 Mesh	150	
MLS200-80	2" Standard Port Flanged "Y" Strainer with 80 Mesh	150	
MLS200-100	2" Standard Port Flanged "Y" Strainer with 100 Mesh	150	
MLS200-120	2" Standard Port Flanged "Y" Strainer with 120 Mesh	150	



FEATURES

- EPDM Gaskets.
- 316 Stainless Steel Screens.
- 150 P.S.I. maximum.

MANIFOLD 1" "Y" STRAINERS

PART NO.	DESCRIPTION	MAX PSI	
MLS100-20	1" Standard Port Flanged "Y" Strainer with 20 Mesh	150	
MLS100-40	1" Standard Port Flanged "Y" Strainer with 40 Mesh	150	
MLS100-80	1" Standard Port Flanged "Y" Strainer with 80 Mesh	150	



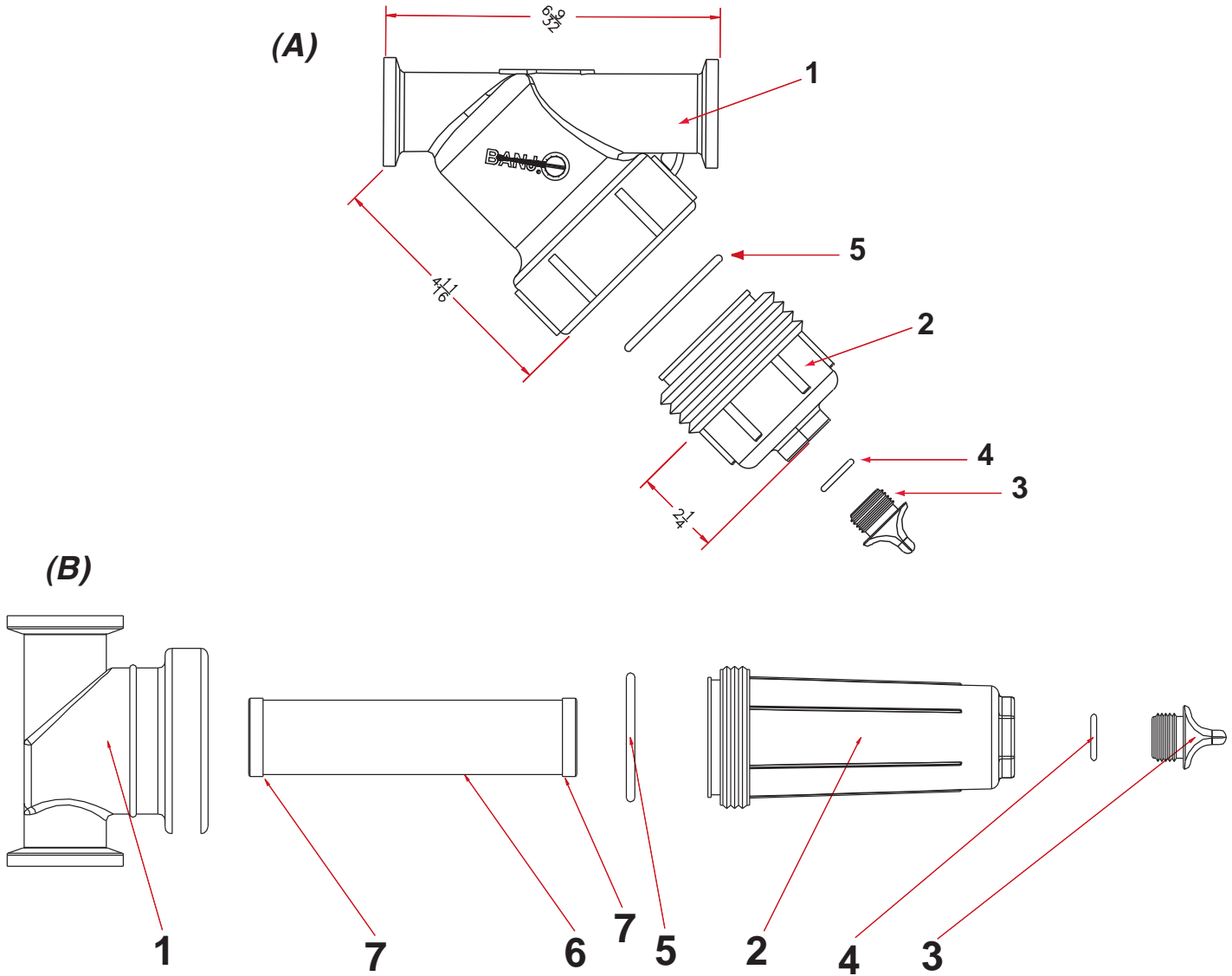
FEATURES

- EPDM Gaskets.
- 316 Stainless Steel Screens.
- 150 P.S.I. maximum.

MANIFOLD 1" & 2" STANDARD PORT "T" STRAINERS

PART NO.	DESCRIPTION	MAX PSI	
MLST100-16	1" Flanged "T" Strainer - 16 Mesh	150	
MLST100-30	1" Flanged "T" Strainer - 30 Mesh	150	
MLST100-50	1" Flanged "T" Strainer - 50 Mesh	150	
MLST100-80	1" Flanged "T" Strainer - 80 Mesh	150	
MLST100-100	1" Flanged "T" Strainer - 100 Mesh	150	
MLST150-16	2" Standard Port "T" Strainer - 16 Mesh	150	
MLST150-30	2" Standard Port "T" Strainer - 30 Mesh	150	
MLST150-50	2" Standard Port "T" Strainer - 50 Mesh	150	
MLST150-80	2" Standard Port "T" Strainer - 80 Mesh	150	
MLST150-100	2" Standard Port "T" Strainer - 100 Mesh	150	





REPLACEMENT PARTS - MLS200 (A)			
ITEM	PART NO.	DESCRIPTION	QTY.
1	MLS200B	2" SP Manifold Strainer Body	1
2	LS150-C	2" SP Strainer Cap, Drain Plug, O-ring	1
3	LSQ200-PL	Plug	1
4	LSQ200-R	O-Ring	1
5	LS150-G	2" SP EPDM Gasket	1
5	LS150-GV	2" SP FKM (viton type) Gasket	1
7	LS141G	EPDM O-Ring (Fits 1 1/2" & 2" Screens)	1
N/S*	LS206	2" 6 All Poly Mesh Line Strainer Screen	1
N/S*	LS212	2" 12 Mesh Line Strainer Screen	1
N/S*	LS220	2" 20 Mesh Line Strainer Screen	1
N/S*	LS230	2" 30 Mesh Line Strainer Screen	1
N/S*	LS250	2" 50 Mesh Line Strainer Screen	1
N/S*	LS280	2" 80 Mesh Line Strainer Screen	1
N/S*	LS2100	2" 100 Mesh Line Strainer Screen	1
N/S*	LS2120	2" 120 Mesh Line Strainer Screen	1

REPLACEMENT PARTS - MLST100-MLST150(B)			
ITEM	PART NO.	DESCRIPTION	QTY.
1	MLST100-H	1" Flanged "T" Strainer Head	1
1	MLST150-H	1 1/2" Flanged "T" Strainer Head	1
2	LST100-B	1" "T" Strainer Bowl, Drain Plug, O-ring	1
2	LST150-B	1 1/2" "T" Strainer Bowl, Drain Plug, O-ring	1
3	12777	Plug for 1" Manifold "T" Strainer	1
3	LSQ200-PL	Plug for 1 1/2" Manifold "T" Strainer	1
4	UV15163	O-Ring for 1" Manifold "T" Strainer	1
4	LSQ200-R	O-Ring for 1 1/2" Manifold "T" Strainer	1
5	LST100-G	EPDM Gasket for 1"	1
5	LST150-G	EPDM Gasket for 1 1/2"	1
5	LST100-GV	FKM (viton type) Gasket for 1"	1
5	LST150-GV	FKM (viton type) Gasket for 1 1/2"	1
6	LST116, 130, 150, 180, 1100	1" "T" Strainer Screen 16, 30, 50, 80, 100 Mesh Sizes Available	1
6	LST1516, 1530, 1550, 1580, 15100	1 1/2" "T" Strainer Screen 16, 30, 50, 80, 100 Mesh Sizes Available	1
7	LS141G	EPDM O-Ring (Fits 1 1/2" & 2" Screens)	1
7	LS125G	EPDM O-Ring (Fits 1" & 1 1/4" Screens)	1

Replacement parts for MLS100 on page 101.

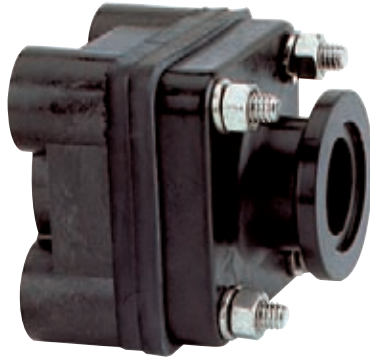
Manifold Tank Fittings

PATENTED

“Bottom Drain”

FEATURES

- Stainless Steel Bolts.
- Bolt Head Plugs Sealed Ultrasonically.
- Glass Reinforced Polypropylene.
- EPDM Gaskets Standard FKM (viton type) available.



MANIFOLD SYSTEMS

MANIFOLD BOLTED TANK FLANGES			
PART NO.	DESCRIPTION	QTY.	
MBF100	1" Flange x 1" Female Thread EPDM	27	
MBF100V	1" Flange x 1" Female Thread FKM (viton type)	27	
MBF200	2" Std. Port Flange x 2" Female Thread EPDM	27	
MBF200V	2" Std. Port Flange x 2" Female Thread FKM (viton type)	27	
MBF220	2" Full Port Flange x 2" Female Thread EPDM	27	
MBF220V	2" Full Port Flange x 2" Female Thread FKM (viton type)	27	
MBF300	3" Flange x 3" Female Thread EPDM	27	
MBF300V	3" Flange x 3" Female Thread FKM (viton type)	27	

Longer bolts available for thicker tanks! See page 160.

BOLTED TANK FLANGE GASKETS			
PART NO.	DESCRIPTION	QTY.	
BF100GE	1" Full Gasket EPDM	1	
BF100GV	1" Full Gasket FKM (viton type)	1	
BF100GRE	1" Foot Gasket EPDM	1	
BF100GRV	1" Foot Gasket FKM (viton type)	1	
BF200GE	1 1/2" & 2" Full Gasket EPDM	1	
BF200GV	1 1/2" & 2" Full Gasket FKM (viton type)	1	
BF200GFE	1 1/2" & 2" Std. Port, 2" Full Port Foot Gasket EPDM	1	
BF200GFV	1 1/2" & 2" Std. Port, 2" FP Foot Gasket, FKM (viton type)	1	
BF220GE	2" Full Port Full Gasket EPDM	1	
BF220GV	2" Full Port Full Gasket FKM (viton type)	1	
BF300GE	3" Full Gasket EPDM	1	
BF300GV	3" Full Gasket FKM (viton type)	1	
BF300GFE	3" Foot Gasket EPDM	6	
BF300GFV	3" Foot Gasket FKM (viton type)	6	
200G	220 Series Full Port Gasket EPDM	1	
200GV	220 Series Full Port Gskt FKM (viton type)	1	

MANIFOLD BOLTED BOTTOM DRAIN TANK FLANGES			
PART NO.	DESCRIPTION	QTY.	
MBF100BD	1" Flange x 1" Female Thread EPDM	27	
MBF100BDV	1" Flange x 1" Female Thread FKM (viton type)	27	
MBF150200BD	2" Standard Port Flange x 1 1/2" Female Thread EPDM	27	
MBF150200BDV	2" Standard Port Flange x 1 1/2" Female Thread FKM (viton type)	27	
MBF200BD	2" Standard Port Flange x 2" Female Thread EPDM	25	
MBF200BDV	2" Standard Port Flange x 2" Female Thread FKM (viton type)	25	
MBF220BD	2" Full Port Flange x 2" Female Thread EPDM	27	
MBF220BDV	2" Full Port Flange x 2" Female Thread FKM (viton type)	27	
MBF300BD	3" Flange x 3" Female Thread EPDM	16	
MBF300BDV	3" Flange x 3" Female Thread FKM (viton type)	16	



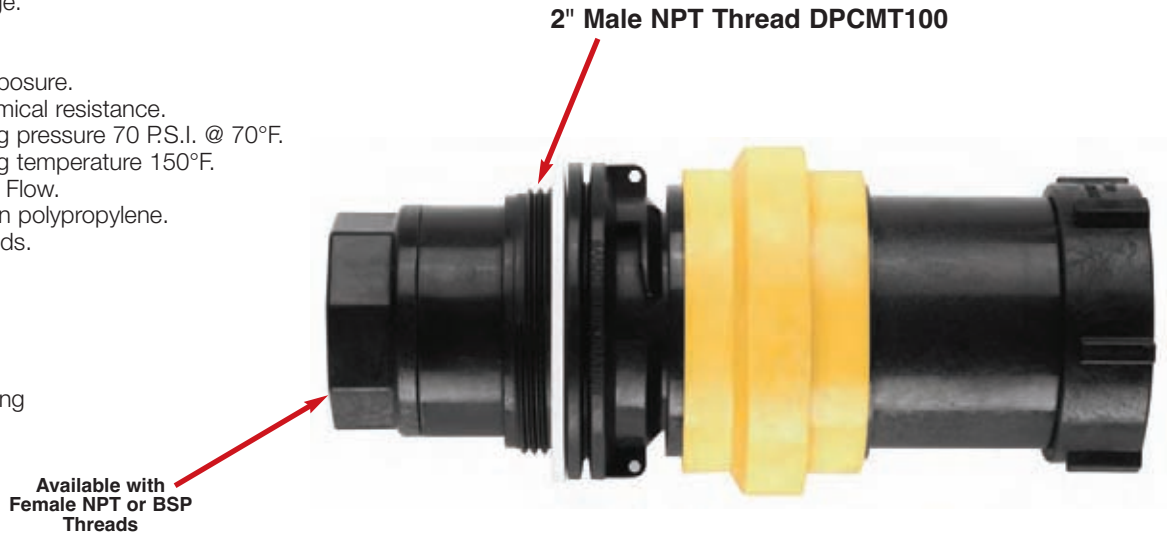
Dry Poppet Couplings

FEATURES

- Lightweight.
- Minimal fluid spillage.
- Easy to use.
- Economical.
- Reduces risk of exposure.
- Wide range of chemical resistance.
- Maximum operating pressure 70 P.S.I. @ 70°F.
- Maximum operating temperature 150°F.
- 30 GPM Maximum Flow.
- Precision molded in polypropylene.
- NPT or BSP Threads.

APPLICATIONS

- Agriculture
- Industrial
- Pharmaceutical
- Chemical Processing



Available with Female NPT or BSP Threads

2" Male NPT Thread DPCMT100

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

1" DRY POPPET COUPLINGS

PART NO.	DESCRIPTION	
DPCF100	Female Dry Poppet Coupler, 1" Female NPT Threads FKM (Viton Type) Seals	
DPCM100	Male Dry Poppet Adapter, 1" Female NPT Threads FKM (viton type) Seals	
DPCMT100	Male Dry Poppet Adapter w/ 2" Male Threaded Body, Female NPT Threads FKM (Viton Type) Seals	

Male Adapter Dry Poppet DPCMT100



Female Coupling Dry Poppet DPCM100



Male & Female Sold Separately

D R Y - D I S C O N N E C T S

2" Full Port 316 Stainless Steel Dry-Disconnect



FEATURES

- 316 Stainless Steel Construction.
- FKM (viton type) Standard, EPDM & PTFE Face Seals Available.
- 100% PTFE Ball Seats.
- 300 P.S.I. Maximum Operating Pressure.
- 300°F Maximum Operating Temperature.
- Spillage Data: Less Than 1cc.
- Filled Valve for No Product Residue.
- 20 Degrees Rotation Either Direction To Ease Coupling Male and Female Halves.
- When liquid is flowing, Dry-Mate halves cannot be uncoupled without turning handles to closed position.
- When Dry-Mate halves are apart, handles cannot be turned to open position.

APPLICATIONS

- Agriculture
- Industrial
- Pharmaceutical
- Chemical Processing

Available with Female NPT or BSP Threads

Male & Female shown coupled together. Male & Female sold separately.

SIZES

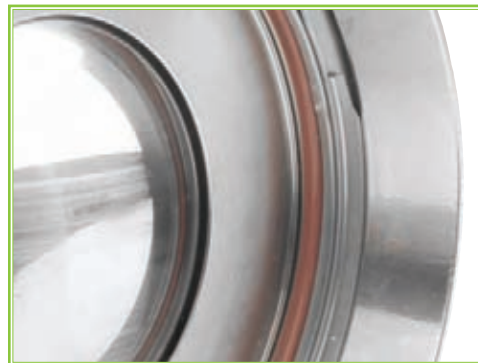
- Sizes: 2" FULL PORT (Female NPT & BSP Threads)

PREVENTS ACCIDENTAL SPILLS AND EXPOSURE

2" FULL PORT(316) SS DRY-MATE

PART NO.	DESCRIPTION
DM220ASS	2" FP Male, NPT Threads, All PTFE Seals
DM220DSS	2" FP Female, NPT Threads
DM220DSSE	2" FP Female, NPT Threads, EPDM
DM220DSST	2" FP Female, NPT Threads, TFE (Encapsulated)
DM220ABSS	2" Male, BSP Threads, All PTFE Seals
DM220DBSS	2" FP Female, BSP Threads
DM220DBSSE	2" FP Female, BSP Threads, EPDM
DM220DBSSTS	2" FP Female, BSP Threads, TFE (Spring Energized)

New Face Seal Design for easy seal interchange!
No need to tear down the valve to change face seals.



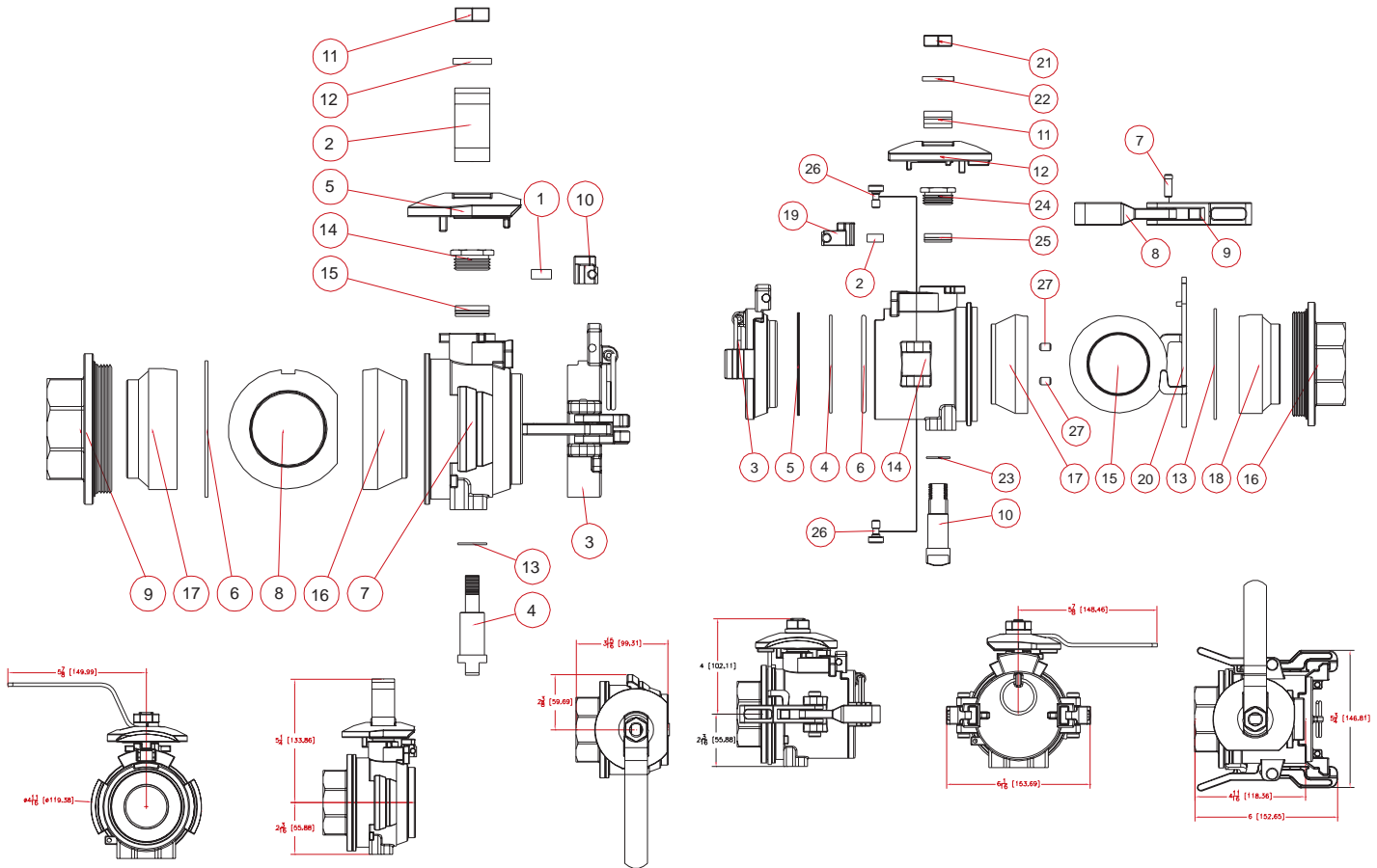
Male Dry-Mate



Female Dry-Mate

Male & Female Sold Separately





REPLACEMENT PARTS DM220ASS - 2" FULL PORT MALE SS DRY-MATE

ITEM	PART NO.	DESCRIPTION	QTY.
1	DB20281	Button Spring	2
2	DM25153SSM	2" FP Male DM Handle	1
3	DM220CAP	Dust Cap	1
4	DM25151SS	Stem	1
5	DM25155SS	Male Handle Interlock	1
6	DM25204SS*	Body Shim	1
7	DM25254MSS	Valve Body	1
8	DM25255SSH	Ball	1
9	DM25256SS	Endplate	1
10	DM25288MSS	Safety Button	1
11	VSS15020	5/8" - 18 Jam Nut	1
12	VSS15021	5/8" Lock Washer	1
13	VSS15060*	Stem Packing	1
14	VSS15159	Packing Nut	1
15	VSS15160*	Stem Shim	1
16	DM25258FV1*	Filled Valve Body Seat	1
17	DM25258FV2*	Filled Valve End Plate Seat	1
18	DM221SS	2" FP Male Dry-Mate Repair Kit	1

REPLACEMENT PARTS DM220DSS - 2" FULL PORT FEMALE SS DRY-MATE

ITEM	PART NO.	DESCRIPTION	QTY.
2	DB20281	Button Spring	2
3	DM220PL	Dust Plug	1
4	DM25001	Seal Ring	1
5	DM25002	Snap Ring	1
6	DM25008V*	FKM (viton type) Quad Ring	1
6	DM25003	PTFE Spring Energized Lip Seal	1
6	DM25008E	EPDM Quad Ring	1
7	DM25004	Groove Pin	2
8	DM25009	Clamp Arm	2
9	DM25010	Clamp Lever	2
10	DM25151SS	Stem	1
11	DM25153SSF	Female Handle	1
12	DM25154SS	Female Handle Interlock	1
13	DM25204SS*	Body Shim	1
14	DM25254FSS	Valve Body	1
15	DM25255SSH	Valve Ball	1
16	DM25256SS	Endplate	1
17	DM25258FV1*	Filled Valve Body Seat PTFE	1
18	DM25258FV2*	Filled Valve End Plate Seat PTFE	1
19	DM25288FSS	Interlock Button	1
20	DM25289SS	Locking Yoke	1
21	VSS15020	5/8" - 18 Jam Nut	1
22	VSS15021	5/8" Lock Washer	1
23	VSS15060*	Stem Packing	1
24	VSS15159	Packing Nut	1
25	VSS15160*	Stem Shim	1
26	DM25019	Cam Lever Pin	4
27	DM25020	#10 - 24 X 5/16" Set Screw	4
N/S	DM222SS	2"FP Female Dry-Mate Repair Kit	1

Valve Repair Kits Contain Items Marked With Asterisk *.

D R Y - D I S C O N N E C T S

POLYPROPYLENE DRY-DISCONNECT

FEATURES

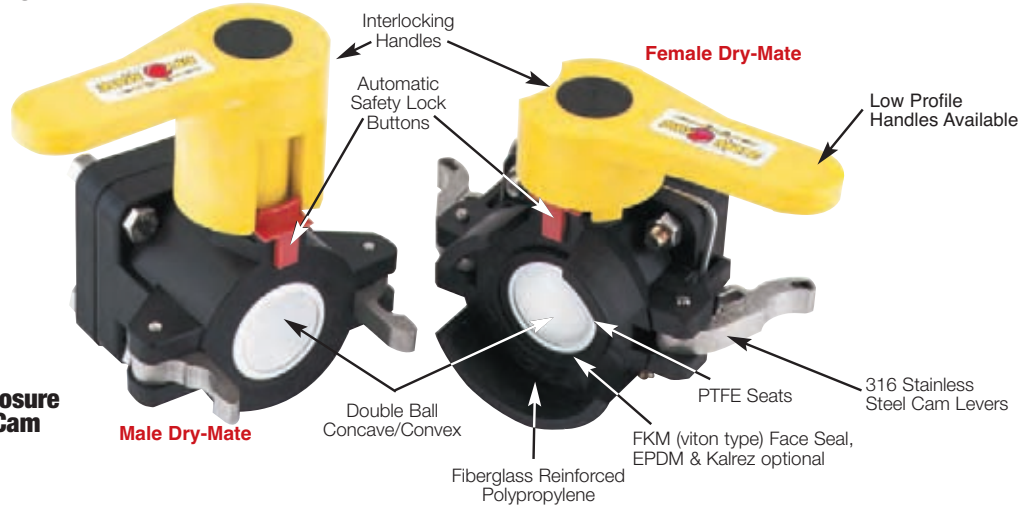
- Lightweight.
- Unrestricted 1 1/2" flow.
- Minimal fluid spillage.
- Easy to use.
- Economical.
- Reduces risk of exposure.
- Wide range of chemical resistance.
- Cannot be uncoupled in open position.
- Spillage Data: 1 1/2" = 2 ML and 2" = 2 ML
- Maximum operating pressure 100 P.S.I. @ 70°F or 70 P.S.I. @ 150°F.



Old style Dry-Mate



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



DRY-DISCONNECTS

POLYPROPYLENE DRY-MATE SETS

PART NO.	DESCRIPTION	MAX. PSI	PIPE SIZE	OPENING THRU BALLS	QUANTITY
DM150AD	1 1/2" Poly Dry-Mate Set	100	1 1/2"	1 1/2"	1
DM200AD	2" Poly Dry-Mate Set	100	2"	1 1/2"	1

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 levers for positive engagement.

POLYPROPYLENE MALE DRY-MATE

PART NO.	DESCRIPTION	MAX. PSI	PIPE SIZE	OPENING THRU BALLS	QUANTITY
DM150A	1 1/2" Male DM x FPT NPT	100	1 1/2"	1 1/2"	1
DM150AB	1 1/2" Male DM x FPT BSP	100	1 1/2"	1 1/2"	1
DM150AE	1 1/2" Male DM w/EPDM Seals	100	1 1/2"	1 1/2"	1
DM150AT	1 1/2" Male DM w/Kalrez Seals	100	1 1/2"	1 1/2"	1
DM200A	2" Male DM x FPT NPT	100	2"	1 1/2"	1
DM200AB	2" Male DM x FPT BSP	100	2"	1 1/2"	1
DM200AE	2" Male DM w/EPDM Seals	100	2"	1 1/2"	1
DM200AT	2" Male DM w/Kalrez Seals	100	2"	1 1/2"	1

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.

POLYPROPYLENE FEMALE DRY-MATE

PART NO.	DESCRIPTION	MAX. PSI	PIPE SIZE	OPENING THRU BALLS	QUANTITY
DM150D	1 1/2" Female DM x FPT NPT	100	1 1/2"	1 1/2"	1
DM150DB	1 1/2" Female DM x FPT BSP	100	1 1/2"	1 1/2"	1
DM150DE	1 1/2" Female DM w/EPDM Seals	100	1 1/2"	1 1/2"	1
DM150DT	1 1/2" Female DM w/Kalrez Seals	100	1 1/2"	1 1/2"	1
DM200D	2" Female DM x FPT NPT	100	2"	1 1/2"	1
DM200DB	2" Female DM x FPT BSP	100	2"	1 1/2"	1
DM200DE	2" Female DM w/EPDM Seals	100	2"	1 1/2"	1
DM200DT	2" Female DM w/Kalrez Seals	100	2"	1 1/2"	1



Comes complete with Dust Covers to protect balls and seals when not in use. Lanyard included.



Manifold Connection also Available Page 56.

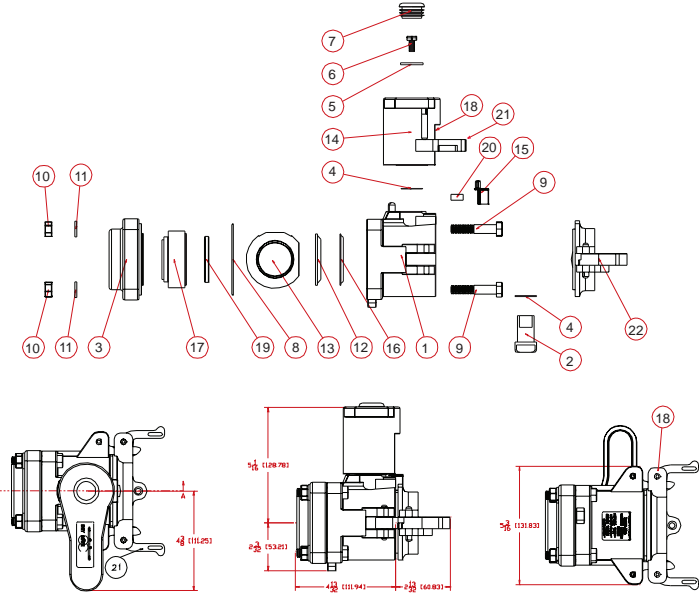
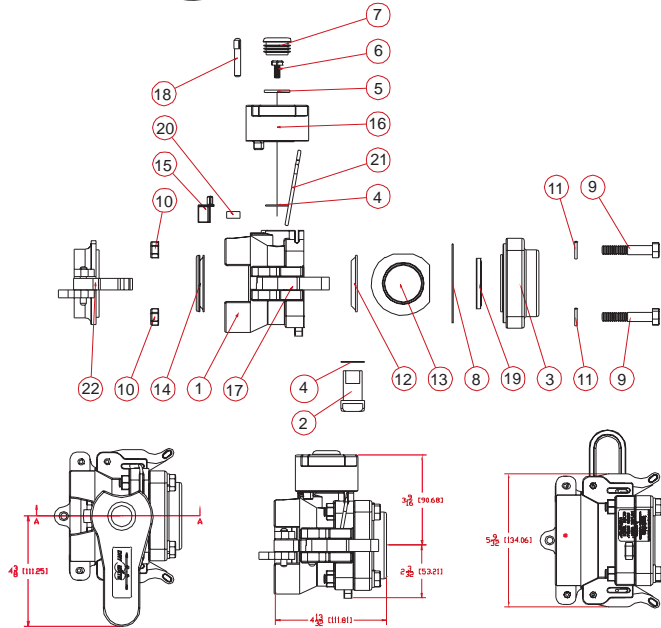




Female



Male



REPLACEMENT PARTS DM150D & DM200D			
ITEM	PART NO.	DESCRIPTION	QTY.
1	DM20254F	Female DryMate Body	1
1	DM20254T	Male Bolted Body TFE	1
2	VS20151*	Stem	1
3	V20257	1 1/2" Endplate NPT	1
3	V20256	2" Endplate NPT	1
3	V20294	2" Manifold Endplate	1
3	V20257B	1 1/2" Endplate BSP	1
3	V20256B	2" Endplate BSP	1
4	V20060*	Thrust Bearing	2
5	V20021	Handle Flat washer	1
6	V20020	Handle Bolt	1
7	V20353C	Handle Plug	1
8	V21204V*	Body O-Ring FKM	1
8	V21204	TFE End Plate Body Gasket	1
9	V20010SS	Body Bolts	4
10	V20019	3/8" Nut	4
11	V20018	3/8" Lock Washer	4
12	DB20258*	Drymate Seat	1
13	DB20255*	Drymate Ball	1
14	DM20294	FKM (viton type) Face Seal	1
14	DM20295A	EPDM Face Seal	1
15	DB20288*	Anti-Rotation Button	1
16	DM20153F	Female Handle	1
17	DM200KX	Cam Arm	2
18	200P	Pin	2
19	V20258A*	Endplate Seat	1
20	DB20281*	Button Spring	1
21	DM20289	Locking Yoke	1
22	DM200PL	Dust Plug	1
N/S	V20207A	Lanyard	1
N/S	DM20200D	Female Dry-Mate Repair Kit	1

REPLACEMENT PARTS DM150A & DM200A			
ITEM	PART NO.	DESCRIPTION	QTY.
1	DM20254	Male Body	1
2	VS20151*	Stem	1
3	V20257	1 1/2" Endplate NPT	1
3	V20256	2" Endplate NPT	1
3	V20291	2" Manifold Endplate	1
3	V20257B	1 1/2" Endplate BSP	1
3	V20256B	2" Endplate BSP	1
4	V20060*	Thrust Bearing	2
5	V20021	Handle Flat washer	1
6	V20020	Handle Bolt	1
7	V20353C	Handle Plug	1
8	V21204V*	Body O-Ring FKM	1
9	V20010SS	Body Bolts	4
10	V20019	3/8" Nut	4
11	V20018	3/8" Lock Washer	4
12	DB20258*	Drymate Seat	1
13	DB20255*	Drymate Ball	1
14	DM20153M	Male Handle	1
15	DB20288*	Anti-Rotation Button	1
16	DB20290*	FKM (viton type) Seal	1
16	DM20295A	EPDM Face Seal	1
17	DB20294*	Valve Insert	1
18	200P	Pin	2
19	V20258A*	Endplate Seat	1
20	DB20281	Button Spring	1
21	DM20300	Profile Inserts	2
22	DM200CAP	Dust Cap	1
N/S	V20207A	Lanyard	1
N/S	DM20200A	Male Dry-Mate Repair Kit	1

***Valve Repair Kits Contain Items Marked With Asterisk.**

316 Stainless Steel Dry-Disconnect



FEATURES

- 316 Stainless Steel Construction.
- FKM (viton type), EPDM & Kalrez Face Seals.
- 100% PTFE Ball Seats.
- 100 P.S.I. Maximum Operating Pressure.
- 300°F Maximum Operating Temperature.
- Spillage Data: 1" = 1ml, 1 1/2" and 2" = 2ml
- When liquid is flowing, Dry-Mate halves cannot be uncoupled without turning handles to closed position.
- When Dry-Mate halves are apart, handles cannot be turned to open position.

APPLICATIONS

- Agriculture
- Industrial
- Pharmaceutical
- Chemical Processing

SIZES

- Sizes: 1" Full Port, 1 1/2" Full Port and 2" Standard Port (Female NPT & BSP Threads)

Available with Female NPT or BSP Threads



PREVENTS ACCIDENTAL SPILLS AND EXPOSURE

EASY CAM LEVER ACTION THE MOST RECOGNIZED STYLE IN FLUID CONNECTION!

Male & Female shown coupled together. Male & Female sold separately.

DRY-DISCONNECTS

1" (316) STAINLESS STEEL DRY-MATE

PART NO.	DESCRIPTION	
DM100ASS	1" Male, NPT Threads, All PTFE Seals	
DM100ABSS	1" Male, BSP Threads, All PTFE Seals	
DM100DSS	1" Female, NPT Threads, FKM (viton type) Face Seal	
DM100DSSE	1" Female, NPT Threads, EPDM Face Seal	
DM100DSST	1" Female, NPT Threads, Kalrez Face Seal	
DM100DBSS	1" Female, BSP Threads, FKM (viton type) Face Seal	
DM100DBSSE	1" Female, BSP Threads, EPDM Face Seal	
DM100DBSST	1" Female, BSP Threads, Kalrez Face Seal	

2" (316) STAINLESS STEEL DRY-MATE

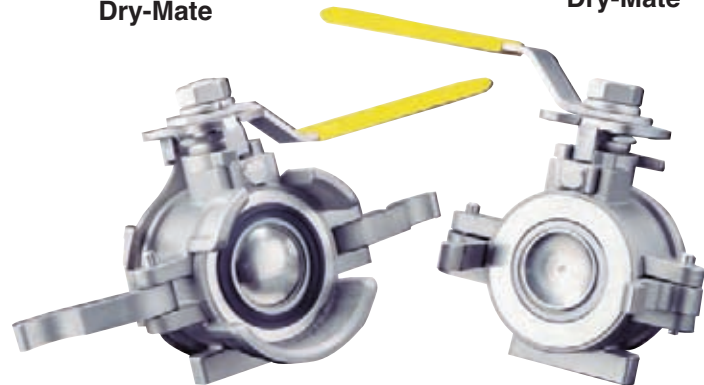
PART NO.	DESCRIPTION	
DM200ASS	2" Male, NPT Threads, All PTFE Seals	
DM200ABSS	2" Male, BSP Threads, All PTFE Seals	
DM200DSS	2" Female, NPT Threads, FKM (viton type) Face Seal	
DM200DSSE	2" Female, NPT Threads, EPDM Face Seal	
DM200DSST	2" Female, NPT Threads, Kalrez Face Seal	
DM200DBSS	2" Female, BSP Threads, FKM (viton type) Face Seal	
DM200DBSSE	2" Female, BSP Threads, EPDM Face Seal	
DM200DBSST	2" Female, BSP Threads, Kalrez Face Seal	

1 1/2" (316) STAINLESS STEEL DRY-MATE

PART NO.	DESCRIPTION	
DM150ASS	1 1/2" Male, NPT Threads, All PTFE Seals	
DM150ABSS	1 1/2" Male, BSP Threads, All PTFE Seals	
DM150DSS	1 1/2" Female, NPT Threads, FKM (viton type) Face Seal	
DM150DSSE	1 1/2" Female, NPT Threads, EPDM Face Seal	
DM150DSST	1 1/2" Female, NPT Threads, Kalrez Face Seal	
DM150DBSS	1 1/2" Female, BSP Threads, FKM (viton type) Face Seal	
DM150DBSSE	1 1/2" Female, BSP Threads, EPDM Face Seal	
DM150DBSST	1 1/2" Female, BSP Threads, Kalrez Face Seal	

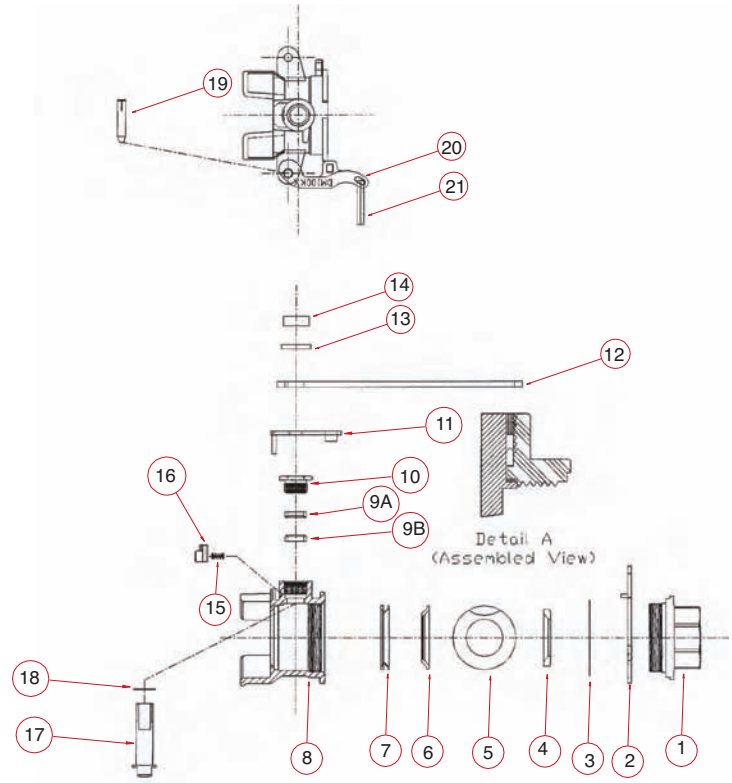
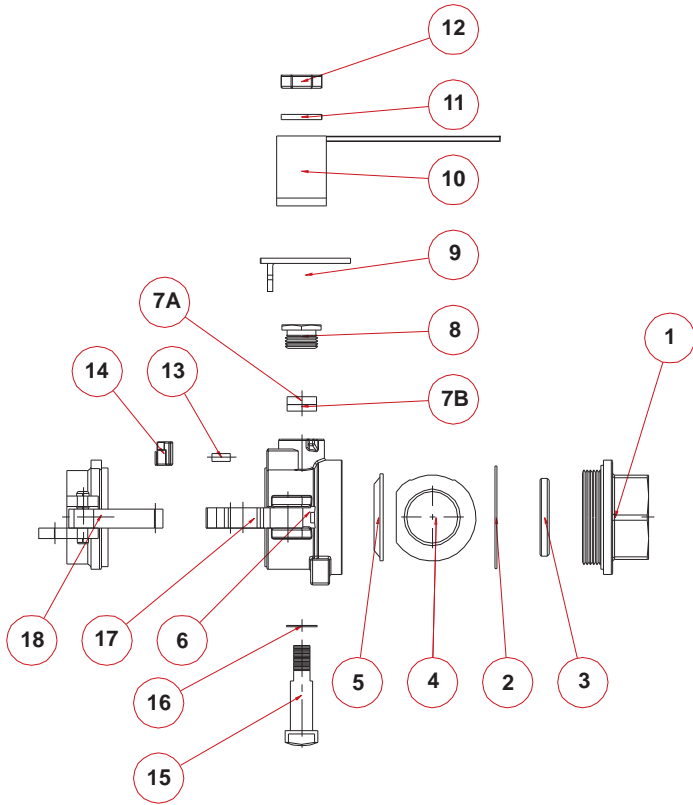
Female Dry-Mate

Male Dry-Mate



Male & Female Sold Separately



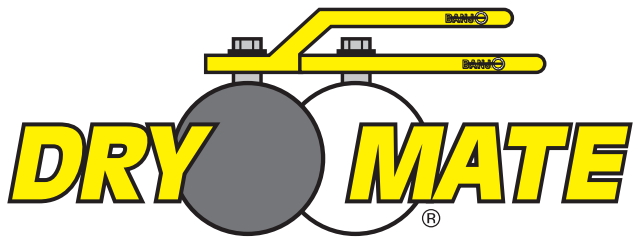


REPLACEMENT PARTS DM100ASS - 1" MALE SS- DRY-MATE				
ITEM	PART NO.	DESCRIPTION	QTY.	
1	DM10257SS	1" NPTF End Plate	1	
1	DM10257BSS	1" BSP Endplate	1	
2	VSS10204*	Body Gasket	1	
3	VSS10258*	Seat	1	
4	DM10255SS*	Ball	1	
5	DM10258*	Seat	1	
6	DM10254MSS	Body	1	
7A	VSS10160F*	Stem Packing	1	
7B	VSS10160M*	Stem Packing	1	
8	VSS10159	Gland Nut	1	
9	DM10155SS	Interlock Cam	1	
10	DM10153MSS	Male Handle	1	
11	VSS10021	7/16" Lock Washer	1	
12	VSS10020	7/16" - 20 Jam Nut	1	
13	DM10281	Spring	1	
14	DM10288SS	Handle Interlock	1	
15	DM10151SS	Stem	1	
16	VSS10060*	Thrust Bearing	1	
17	DM10300	Profile Insert	2	
18	100P	Pin	2	
N/S	DM100CAP	Poly Cap	1	
N/S	V20207	Lanyard	1	
N/S	DM101SS	1" Male Dry-Mate Repair Kit	1	

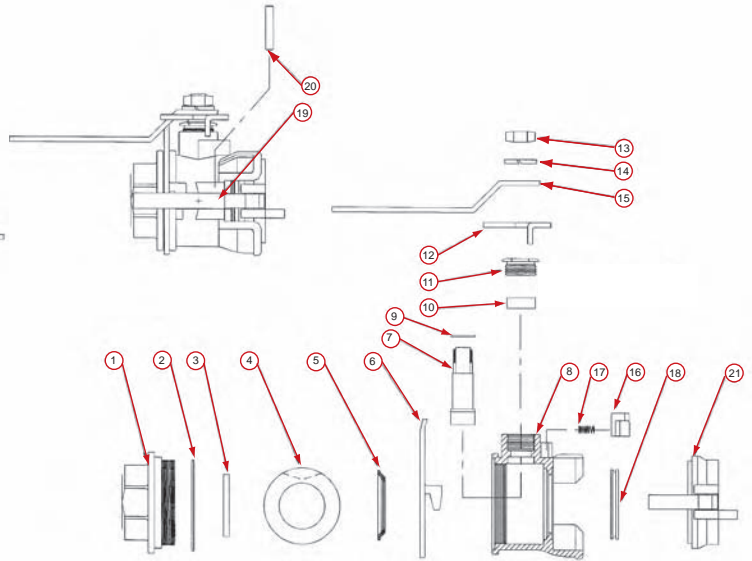
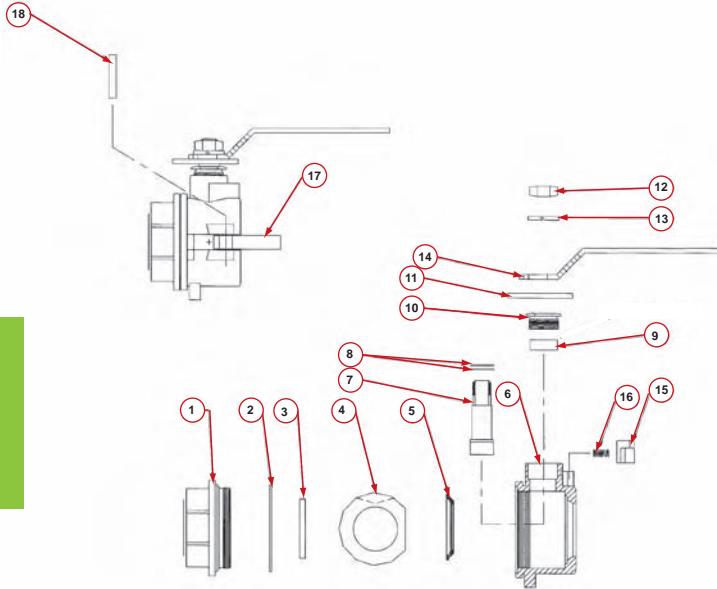
REPLACEMENT PARTS DM100DSS - 1" FEMALE SS DRY-MATE				
ITEM	PART NO.	DESCRIPTION	QTY.	
1	DM10256SS	1" NPTF End Plate	1	
1	DM10256BSS	1" NPTF End Plate BSP	1	
2	DM10289SS	Locking Yoke	1	
3	VSS10204*	Body Gasket	1	
4	VSS10258*	Seat	1	
5	VSS10255*	Ball	1	
6	DM10258*	Seat	1	
7	DM10294	Face Seal, FKM (viton type)	1	
7	DM10295	Face Seal, EPDM FDA	1	
7	DM10296	Face Seal, Kalrez	1	
8	DM10254FSS	Body	1	
9A	VSS10160F*	Stem Packing	1	
9B	VSS10160M*	Stem Packing	1	
10	VSS10159	Gland Nut	1	
11	DM10154SS	Interlock Cam	1	
12	DM10153FSS	Female Handle	1	
13	VSS10021	7/16" Lock Washer	1	
14	VSS10020	7/16" - 20 Jam Nut	1	
15	DM10281	Spring	1	
16	DM10288SS	Handle Interlock	1	
17	DM10151SS	Stem	1	
18	VSS10060*	Thrust Bearing	1	
19	100P	Pin	2	
20	DM100K	Cam Arm	2	
21	100RING	Cam Arm Ring	2	
N/S	DM100PL	Poly Plug	1	
N/S	V20207	Lanyard	1	
N/S	DM102SSV	1" Female Dry-Mate Repair Kit FKM (viton type)	1	
N/S	DM102SSE	1" Female Dry-Mate Repair Kit EPDM	1	
N/S	DM102SST	1" Female Dry-Mate Repair Kit Kalrez	1	

***Valve Repair Kits Contain Items Marked With Asterisk.**

D R Y - D I S C O N N E C T S



DRY-
DISCONNECTS



REPLACEMENT PARTS - 1 1/2" & 2" MALE (A) STAINLESS STEEL DRY-MATE

ITEM	PART NO.	DESCRIPTION	QTY.
1	DM15256MSS	2" NPTF End Plate	1
1	DM15256MBSS	2" BSP End Plate	1
1	DM15257MSS	1 1/2" NPTF End Plate	1
1	DM15257MBSS	1 1/2" BSP End Plate	1
2	DM15204SS*	Body Gasket	1
3	V20258*	Seat	1
4	DM15255MSS*	Ball	1
5	DB20258*	Seat	1
6	DM15154MSS	Valve Body	1
7	DM15151SS	Stem	1
8	VSS15060*	Thrust Bearing	1
9	VSS15160*	Stem Packing	1
10	VSS15159	Packing Nut	1
11	DM15155SS	Interlock Cam	1
12	VSS15020	5/8" - 18 Jam Nut	1
13	VSS15021	5/8" Lock Washer	1
14	DM15153SS	Handle	1
15	DM15288SS	Button	1
16	DB20281	Spring	2
17	DM20300	Profile Insert	2
18	DB200PSS	Pin	2
N/S	DM200ACAP	Dust Cap	1
N/S	V20207	Lanyard	1
N/S	DM201SS	1 1/2" & 2" Male Repair Kit	1

REPLACEMENT PARTS - 1 1/2" & 2" FEMALE (D) STAINLESS STEEL DRY-MATE

ITEM	PART NO.	DESCRIPTION	QTY.
1	DM15256FSS	2" NPTF End Plate	1
1	DM15256FBSS	2" Female BSP End Plate	1
1	DM15257FSS	1 1/2" NPTF End Plate	1
1	DM15257FBSS	1 1/2" BSP End Plate	1
2	DM15204SS*	Body Gasket	1
3	V20258*	Seat	1
4	DM15255FSS*	Ball	1
5	DB20258*	Seat	1
6	DM15289SS	Locking Yoke	1
7	DM15151SS	Stem	1
8	DM15154FSS	Valve Body	1
9	VSS15060*	Thrust Bearing	1
10	VSS15160*	Stem Packing	1
11	VSS15159	Packing Nut	1
12	DM15154SS	Interlock Cam	1
13	VSS15020	5/8" - 18 Jam Nut	1
14	VSS15021	5/8" Lock Washer	1
15	DM15153SS	Handle	1
16	DM15288SS	Button	1
17	DB20281	Spring	1
18	DM20294*	FDA FKM (viton type) Face Seal	1
18	DM20295A	EPDM Face Seal Black/Gold	1
18	DM20296	Kalrez Face Seal	1
19	DM200KX	Cam Arm	2
20	DB200PSS	Pin	2
21	DM200APL	Dust Plug	1
N/S	V20207	Lanyard	1
N/S	DM202SSV	1 1/2" & 2" Female Repair Kit-FKM (viton type)	1
N/S	DM202SSE	1 1/2", 2" Female Repair Kit-EPDM	1
N/S	DM202SST	1 1/2", 2" Female Repair Kit-Kalrez	1

Items shown with * are included in the repair kit. Only 1 face seal will be provided with each kit and it is identified by the repair kit number.



IBC (Intermediate Bulk Container) Spin Weld Ball Valves

FEATURES

- PTFE valve seats.
- FKM (viton type) stem o-rings.
- Polypropylene.
- Zinc alloy collar.
- Maximum operating pressure 20 P.S.I. @ 70° F.
- FKM (viton type), EPDM, and Santoprene collar gaskets available.

**See Caps
on page 77!**

**Identifying
collar number
found here.**



WSF211 Schutz®/Clawson®
W240569 Mauser TC®



WSMT211 Schutz®/Clawson®
V240553 Mauser TC®



VSF211 Schutz®/Clawson®
VSF2102H Mauser TC®



VSMT211 Schutz®/Clawson®
VSMT2102H Mauser TC®



WSF210 Schutz®
Alignment Valve



WSMT210 Schutz®
Alignment Valve



**ALIGNMENT
GROOVES!**

PART NO.	DESCRIPTION	GASKET MATERIAL	COLLAR FITS	QUANTITY	NUMBER
WSF211	2" Poly Spinweld Valve w/QDC Outlet	Santoprene	Schutz/Clawson	24/Per Box	V20280A & B
WSMT211	2" Poly Spinweld Valve w/NPT Outlet	Santoprene	Schutz/Clawson	24/Per Box	V20280A & B
W240569	2" Poly Spinweld Valve w/QDC Outlet	Viton	Mauser TC	24/Per Box	V20282A & B
V240553	2" Poly Spinweld Valve w/NPT Outlet	Viton	Mauser TC	24/Per Box	V20282A & B
VSF211	2" Poly Spinweld Valve w/ QDC outlet	FKM	Schutz/Clawson	24/Per Box	V20280A & B
VSMT211	2" Poly Spinweld Valve w/ Male NPT	FKM	Schutz/Clawson	24/Per Box	V20280A & B
VSF2102H	2" Poly Spinweld Valve w/ QDC outlet	Viton	Mauser TC	24/Per Box	V20282A & B
VSMT2102H	2" Poly Spinweld Valve w/ Male NPT	Viton	Mauser TC	24/Per Box	V20282A & B
WSF210	2" Poly Spinweld Valve w/ QDC	Santoprene	Schutz Alignment Valve	24/Per Box	V20280A & B
WSMT210	2" Poly Spinweld Valve w/ NPT	Santoprene	Schutz Alignment Valve	24/Per Box	V20280A & B

Note: Please contact our sales department for optional gasket materials.

I B C / T A N K A C C E S S O R I E S

IBC (Intermediate Bulk Container) Spin Weld Ball Valves

FEATURES

- PTFE valve seats.
- FKM (viton type) stem o-rings.
- Polypropylene.
- Lightweight.
- Zinc alloy collar.
- Maximum operating pressure 20 P.S.I. @ 70° F.
- FKM (viton type), EPDM, and collar gaskets available.



WSMT203MR Mamor®



WSF203MR Mamor®



F-ISO11 Greif®

Identifying collar number found here.



VSMT202MR Greif®

PART NO.	DESCRIPTION	GASKET MATERIAL	COLLAR FITS	QUANTITY	NUMBER
WSMT203MR	2" Poly Spinweld Valve w/NPT Outlet	EPDM	Mamor®	24/Per Box	20283A & B
WSF203MR	2" Poly Spinweld Valve w/QDC Outlet	EPDM	Mamor®	24/Per Box	20283A & B
WSMT203MRV	2" Poly Spinweld Valve w/NPT Outlet	FKM (viton type)	Mamor®	24/Per Box	20283A & B
WSF203MRV	2" Poly Spinweld Valve w/QDC Outlet	FKM (viton type)	Mamor®	24/Per Box	20283A & B
F-ISO11	2" Male QDC X V20283 Metal Collar w/Cap & Lanyard	FKM (viton type)	Greif®	24/Per Box	V20283A & B
VSMT202MR	2" Male NPT x V20283 Metal Collar	FKM (viton type)	Greif®	24/Per Box	V20283A & B
W230217	WSMT203MR w/ Cap	FKM (viton type)	Mamor®	24/Per Box	20283A & B
W230218	WSF203MRV w/ Cap	FKM (viton type)	Mamor®	24/Per Box	20283A & B
W230219	WSMT203MR w/ Cap	EPDM	Mamor®	24/Per Box	20283A & B
W230220	WSF203MR w/ Cap	EPDM	Mamor®	24/Per Box	20283A & B
W230223	WSMT203MRV w/ Cap & Foil Seal	FKM (viton type)	Mamor®	24/Per Box	20283A & B
W230224	WSF203MRV w/ Cap & Foil Seal	FKM (viton type)	Mamor®	24/Per Box	20283A & B
W230225	WSMT203MR w/ Cap & Foil Seal	EPDM	Mamor®	24/Per Box	20283A & B
W230226	WSF203MR w/ Cap & Foil Seal	EPDM	Mamor®	24/Per Box	20283A & B

FDA Union Valves

FEATURES

- Precision molded in glass reinforced polypropylene, for strength and chemical resistance.
- PTFE seats for smooth operation and proper sealing characteristics.
- EPDM O-rings.
- Double O-rings in stem area for extra sealing protection.
- Interlocking body and end plate to allow easy thread connection when installing valves.
- Maximum operating pressure 100 P.S.I. at 70°F.



NIP2101



MBP200



Union Valve Adapters

PART NO.	DESCRIPTION	QUANTITY PER BOX
MBP200	2" Buttress X 2" NPT Assembly	1
NIP2101	2" NPT x BSP Nipple - White	1

PART NO.	DESCRIPTION	GASKET MATERIAL
UV204FPFD	2" FDA Union Valve	EPDM



IBC (Intermediate Bulk Container) Polypropylene Bolted Ball Valves

FEATURES

- Glass filled polypropylene.
- Lightweight.
- Maximum operating pressure 100 P.S.I. @ 70°F. & 75 P.S.I. @ 150°F.

**Coupling Gasket
Not Included
(See Chart)**

Fits Hoover TUFFTANKII®



Fits Hoover APT®



PART NO.	DESCRIPTION	OPENING THRU BALL	QUANTITY PER BOX
VFB201	2" Male QDC Valve x 2" Female QDC	1 1/2"	24
200G	2" Coupling Gasket (EPDM)	N/A	50/Bag
200GV	2" Coupling Gasket FKM (viton type)	N/A	50/Bag

PART NO.	DESCRIPTION	OPENING THRU BALL	QUANTITY PER BOX
VSFB201	2" Male QDC Stubby Valve x 2" Female QDC	1 1/2"	24
200G	2" Coupling Gasket (EPDM)	N/A	50/Bag
200GV	2" Coupling Gasket FKM (viton type)	N/A	50/Bag
VS20200	IBC Valve Repair Kit	N/A	1

Fits Clawson® Rock Tank

**O-Ring
Not Included
(See Chart)**



Cap & Lanyard not shown.

PART NO.	DESCRIPTION	OPENING THRU BALL	QUANTITY PER BOX
VSFTF202A	2" Male QDC x 4 Bolt Tank Adapter with Cap & Lanyard	1 1/2"	24
VTF200GT	PTFE Encapsulated Silicone O-Ring for VSFTF202A	N/A	1
VS20200	IBC Valve Repair Kit	N/A	1

Poly IBC/Spray Tank Lids



6.5" IBC SOLID TANK LIDS

PART NO.	DESCRIPTION	SIZE	
TL650S	Solid Tank Lid w/Santoprene Gasket	6.5"	
TL650E	Solid Tank Lid w/EPDM Gasket	6.5"	



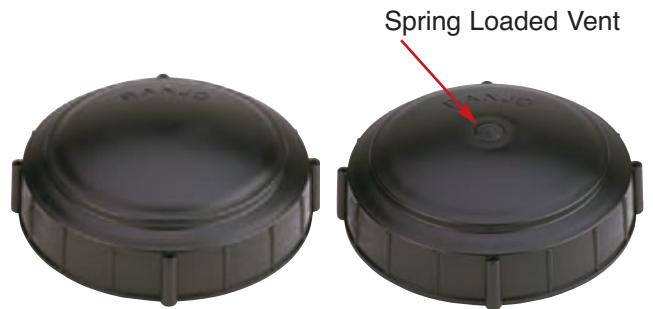
6.5" IBC TANK LIDS WITH UNVENTED 2" PLUG

PART NO.	DESCRIPTION	SIZE	
TL651S	Tank Lid w/Santoprene Gasket	6.5"	
TL651E	Tank Lid w/EPDM Gasket	6.5"	



6.5" IBC TANK LIDS W/VENTED 2" PLUG

PART NO.	DESCRIPTION	SIZE	
TL652S	Tank Lid w/Santoprene Gasket w/ Vented 2" Plug	6.5"	
TL652E	Tank Lid w/EPDM Gasket w/ Vented 2" Plug	6.5"	



6" LIDS FOR SPRAY TANKS

PART NO.	DESCRIPTION	SIZE	
TL600	Non-Vented Lid for Spray Tanks	6"	
TL600C	Vented Lid for Spray Tanks	6"	



2" VENTED & NON-VENTED BUNG PLUGS

PART NO.	DESCRIPTION	SIZE	
200MPT	2" MPT Bung with 3/4" FPT	2"	
230MPT	2" MPT Solid Bung	2"	
260MPT	2" MPT Solid Bung with 1/8" Vent Hole	2"	
075MPTL	3/4" MPT Bung Plug with Retainer End	3/4"	
075MPT	3/4" MPT Bung Plug	3/4"	



IBC (Intermediate Bulk Container) Polypropylene Accessories

I B C / T A N K A C C E S S O R I E S

DIN60 (Buttress) Thread



PART NO.	DESCRIPTION	QUANTITY PER BOX	
TA283	2" Buttress x 2" Male NPT Threads w/Santoprene Gasket	1	

DIN60 (Buttress) Thread



PART NO.	DESCRIPTION	QUANTITY PER BOX	
200ABT	2" Buttress x 2" Male Adapter QDC w/Santoprene Gasket	1	

200FPT



60FDIN



201FPT



PART NO.	DESCRIPTION	QUANTITY PER BOX	
200FPT	2" Female NPT Cap	1	
201FPT	2" Female NPT Cap	1	
60FDIN	60 MM DIN Cap (Buttress Thread)	1	

V20207



PART NO.	DESCRIPTION	QUANTITY PER BOX	
V20207	11" Polyurethane Lanyard	1	



PART NO.	DESCRIPTION	OPENING THRU BALL	QUANTITY PER BOX	
200CAPSH	2" Cam Lever Dust Cap w/short arms	N/A	1	



PART NO.	DESCRIPTION	OPENING THRU BALL	QUANTITY PER BOX	
202CAP	2" Cam Lever Dust Cap	N/A	1	

Poly Bolted Tank Flanges

FEATURES

- Stainless Steel Bolts.
- Bolt Head Plugs Sealed Ultrasonically.
- Glass Reinforced Polypropylene.
- EPDM Gaskets Standard FKM (viton type) Available.

Longer bolts available for thick tank walls. See page 160.



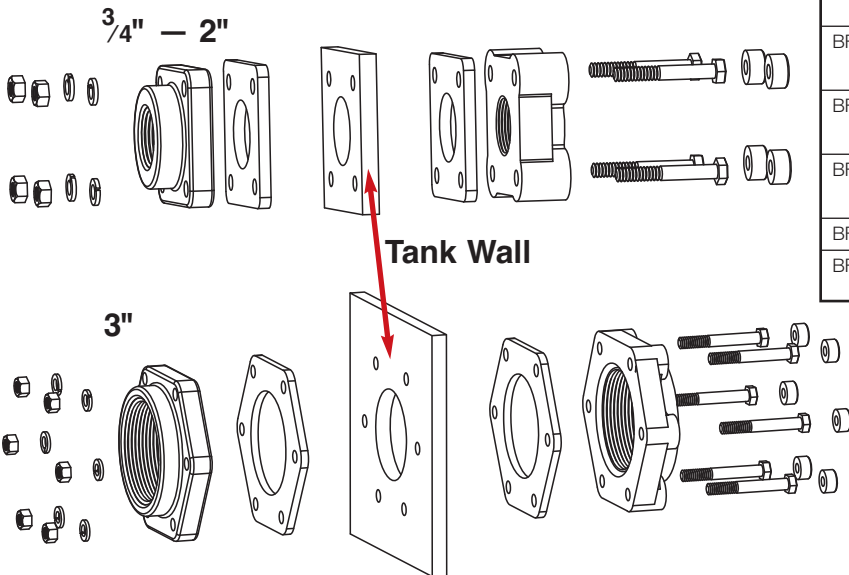
IBC/TANK ACC.

BOLTED TANK FLANGE GASKETS

PART NO.	DESCRIPTION	QTY.
BF100GE	1" Full Gasket EPDM	1
BF100GV	1" Full Gasket FKM (viton type)	1
BF200GE	1 1/2" & 2" Full Gasket EPDM	1
BF200GV	1 1/2" & 2" Full Gasket FKM (viton type)	1
200G	220 Series Full Port Gasket EPDM	1
200GV	220 Series Full Port Gasket FKM (viton type)	1
BF300GE	3" Full Gasket EPDM	1
BF300GV	3" Full Gasket FKM (viton type)	1

POLYPROPYLENE BOLTED TANK FLANGES

PART NO.	OUTLET X INLET	QTY.
BF075	3/4" x 1" Threaded Flange EPDM	27
BF075V	3/4" x 1" Threaded Flange FKM (viton type)	27
BF100	1" x 1" Threaded Flange EPDM	27
BF100V	1" x 1" Threaded Flange FKM (viton type)	27
BF125	1 1/4" x 1" Threaded Flange EPDM	27
BF150	1 1/2" x 2" Threaded Flange EPDM	27
BF150V	1 1/2" x 2" Threaded Flange FKM (viton type)	27
BF200	2" x 2" Std. Port Threaded Flange EPDM	27
BF200V	2" x 2" Std. Port Threaded Flange FKM (viton type)	27
BF220	2" x 2" Full Port Threaded Flange EPDM	27
BF220V	2" x 2" Full Port Threaded Flange FKM (viton type)	27
BF300	3" x 3" Threaded Flange EPDM	16
BF300V	3" x 3" Threaded Flange FKM (viton type)	16

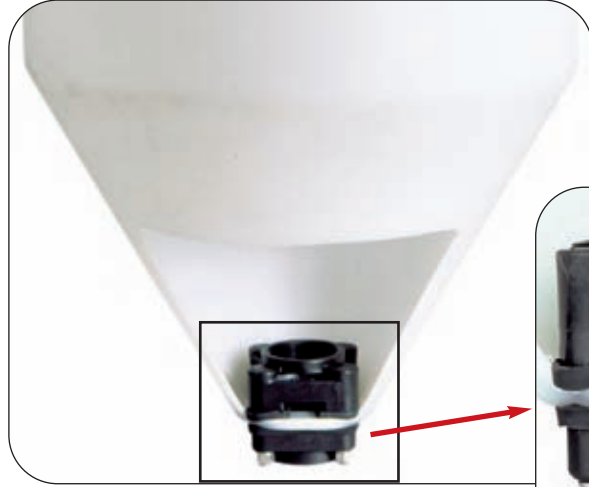


Poly Bolted "Bottom Drain" Tank Flanges

PATENTED

FEATURES

- Stainless Steel Bolts.
- Bolt Head Plugs Sealed Ultrasonically.
- Glass Reinforced Polypropylene.
- EPDM Gaskets Standard. FKM (viton type) Available.
- Longer Bolts Available.



Fits most cone bottom & chemical inductor tanks, 30 gallons and larger.



Longer Bolts Available on page 160!

ULTRASONICALLY SEALED!

100% FULLY DRAINABLE!

Foot Gasket (4 ea.)

Full Gasket (1 ea.)



- Allows 100% Rinse Free – No Sediment Build Up!
- Excellent for avoiding herbicide cross contamination!
- Bolted design for superior strength!

POLY BOTTOM DRAIN BOLTED TANK FLANGE GASKETS

PART NO.	DESCRIPTION	QTY.	
BF100GE	3/4", 1" & 1 1/4" Full Gasket EPDM	1	
BF100GV	3/4", 1" & 1 1/4" Full Gasket FKM (viton type)	1	
BF100GRE	3/4", 1" & 1 1/4" Foot Gasket EPDM	4	
BF100GRV	3/4", 1" & 1 1/4" Foot Gasket FKM (viton type)	4	
BF200GE	1 1/2" & 2" Standard Port Full Gasket EPDM	1	
BF200GV	1 1/2" & 2" Standard Port Gasket FKM (viton type)	1	
BF200GFE	1 1/2" & 2" Std. Port, 2" Full Port Foot Gasket EPDM	4	
BF200GFV	1 1/2" & 2" Std. Port, 2" Full Port Foot Gasket FKM (viton type)	4	
BF220GE	2" Full Port Gasket EPDM	1	
BF220GV	2" Full Port Gasket FKM (viton type)	1	
BF300GE	3" Full Gasket EPDM	1	
BF300GV	3" Full Gasket FKM (viton type)	1	
BF300GFE	3" Foot Gasket EPDM	6	
BF300GFV	3" Foot Gasket FKM (viton type)	6	

POLY BOTTOM DRAIN BOLTED TANK FITTINGS

PART NO.	OUTLET X INLET	QTY.	
BF075BD	3/4" X 1" Threaded Flange EPDM	27	
BF075BDV	3/4" x 1" Threaded Flange FKM (viton type)	27	
BF100BD	1" x 1" Threaded Flange EPDM	27	
BF100BDV	1" x 1" Threaded Flange FKM (viton type)	27	
BF125BD	1 1/4" x 1" Threaded Flange EPDM	27	
BF125BDV	1 1/4" x 1" Threaded Flange FKM (viton type)	27	
BF150BD	1 1/2" x 2" Threaded Stand. Port Flange EPDM	27	
BF150BDV	1 1/2" x 2" Threaded Stand. Port Flange FKM (viton type)	27	
BF200BD	2" x 2" Threaded Stand. Port Flange EPDM	27	
BF200BDV	2" x 2" Threaded Stand. Port Flange FKM (viton type)	27	
BF220BD	2" x 2" Threaded Full Port Flange EPDM	27	
BF220BDV	2" x 2" Threaded Full Port Flange FKM (viton type)	27	
BF300BD	3" x 3" Threaded Flange EPDM	16	
BF300BDV	3" x 3" Threaded Flange FKM (viton type)	27	

I B C / T A N K A C C E S S O R I E S

Bulkhead Tank Fittings

FEATURES

- Double sided female NPT threads.
- Available with EPDM or FKM (viton type) gasket.



FEATURES

- Double sided female NPT threads.
- Standard with EPDM gasket, FKM (viton type) available.



POLY BULKHEAD FITTINGS

FKM (VITON TYPE)	EPDM	DESCRIPTION	FITS HOLE SIZE	FKM/EPDM
TF050V	TF050	1/2" Poly Bulkhead Tank Fitting	1 5/8"	
TF075V	TF075	3/4" Poly Bulkhead Tank Fitting	1 5/8"	
TF100V	TF100	1" Poly Bulkhead Tank Fitting	2 1/4"	
TF125V	TF125	1 1/4" Poly Bulkhead Tank Fitting	2 1/4"	
TF150V	TF150	1 1/2" Poly Bulkhead Tank Fitting	3"	
TF200V	TF200	2" Poly Bulkhead Tank Fitting	3"	
TF220V	TF220	2" Poly Bulkhead Tank Fitting	3 1/4"	
TF300V	TF300	3" Poly Bulkhead Tank Fitting	4 1/2"	

316 STAINLESS STEEL BULKHEAD FITTINGS

PART NO.	DESCRIPTION	HOLE SIZE	
TF075SS	3/4" S.S. Bulkhead Tank Fitting	1 5/8"	
TF100SS	1" S.S. Bulkhead Tank Fitting	2 1/4"	
TF125SS	1 1/4" S.S. Bulkhead Tank Fitting	2 1/4"	
TF150SS	1 1/2" S.S. Bulkhead Tank Fitting	3"	
TF200SS	2" S.S. Bulkhead Tank Fitting	3"	
TF220SS	2" S.S. Bulkhead Tank Fitting	3 1/4"	
TF300SS	3" S.S. Bulkhead Tank Fitting	4 3/8"	

IBC/TANK ACC.

POLYPROPYLENE TANK NUTS

PART NO.	FITS	
TF073	TF050	
TF073	TF075	
TF103	TF100	
TF103	TF125	
TF153	TF150	
TF153	TF200	
TF223	TF220	
TF303	TF300	

BULKHEAD TANK FITTING GASKETS

PART NO.	DESCRIPTION	FIT POLY BULKHEAD FITTING	FITS STAINLESS BULKHEAD FITTING	QTY.	
150G	1/2" & 3/4" (1 5/8" Hole Dia.) EPDM	TF050 & TF075	TF075SS	100/Bag	
150GV	1/2" & 3/4" (1 5/8" Hole Dia.) FKM (viton type)	TF050 & TF075	TF075SS	50/Bag	
200G	1" & 1 1/4" (2 1/4" Hole Dia.) B. Head Fitting Gasket - EPDM	TF100 & TF125	TF100SS & TF125SS	50/Bag	
200GV	1" & 1 1/4" (2 1/4" Hole Dia.) B. Head Fitting Gasket - FKM (viton type)	TF100 & TF125	TF100SS & TF125SS	50/Bag	
300G	1 1/2" & 2" (3" Hole Dia.) B. Head Fitting Gasket - EPDM	TF200 & TF150	TF200SS & TF150SS	25/Bag	
300GV	1 1/2" & 2" (3" Hole Dia.) B. Head Fitting Gasket - FKM (viton type)	TF200 & TF150	TF200SS & TF150SS	25/Bag	
TF220G	2" (3 1/4" Hole Dia.) B. Head Fitting Gasket - EPDM	TF220	TF220SS	50/Bag	
TF220GV	2" (3 1/4" Hole Dia.) B. Head Fitting Gasket - FKM (viton type)	TF220	TF220SS	50/Bag	
TF300G	3" (4 1/2" Hole Dia.) B. Head Fitting Gasket - EPDM	TF300	TF300SS	20/Bag	
TF300GV	3" (4 1/2" Hole Dia.) B. Head Fitting Gasket - FKM (viton type)	TF300	TF300SS	20/Bag	



Vent Cap/Anti Vortex

VENT CAP

FEATURES

- Male NPT.
- Glass reinforced polypropylene.
- 304 stainless steel screen (optional).



POLYPROPYLENE VENT CAPS

PART NO.	DESCRIPTION	QTY.	
VC200	2" Anti Vortex Vent Cap with No Screen	1	
VC300	3" Anti Vortex Vent Cap with No Screen	1	
VC230	2" Anti Vortex Vent Cap with 12 mesh 304 SS Screen	1	
VC330	3" Anti Vortex Vent Cap with 10 mesh 304 SS Screen	1	

ANTI VORTEX



Tank Flange sold separately. See page 79.

Anti Vortex Tank Flange

FEATURES

- Standard w/FKM (viton type).
- Prevents swirl in bottom of tank.



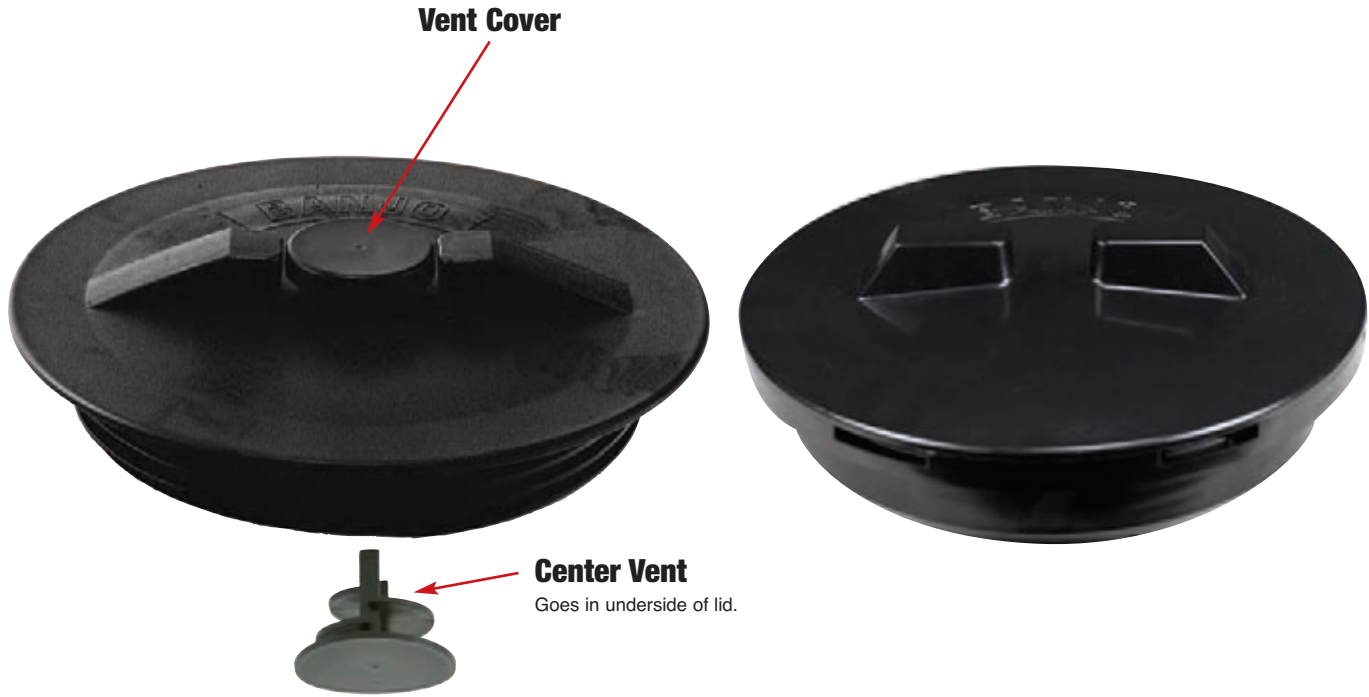
PART NO.	DESCRIPTION	HOLE SIZE	
TF100AV	1" Tank Flange Anti Vortex	2 1/4"	
TF125AV	1 1/4" Tank Flange Anti Vortex	2 1/4"	
TF150AV	1 1/2" Tank Flange Anti Vortex	3"	
TF200AV	2" Tank Flange Anti Vortex	3"	

I B C / T A N K A C C E S S O R I E S

Poly Tank Lids

FEATURES

- Maximum air flow through vent channels.
- Airflow equivalent to a 3" hole.
- No secondary venting needed.
- Baffled Vents.



10" VENTED TANK LIDS

PART NO.	DESCRIPTION	SIZE	
TLVA10	10" Vented Tank Lid & Ring Assembly	10"	
TLV10R	10" Tank Lid Assembly Less Ring	10"	
TLV1	Vent Cover	10"	
TLV2	Center Vent	10"	
TR10R1	10" Tank Ring Only	10"	

10" NON-VENTED TANK LIDS

PART NO.	DESCRIPTION	SIZE	
TLA10	10" Vented Tank Lid & Ring Assembly	10"	
TL101	10" Non-Vented Tank Lid Only	10"	
TR10	10" Tank Ring Only	10"	

Poly Siphon Tubes

FEATURES

- Full flow size.
- Long length.
- Male NPT threads.

POLY SIPHON TUBES

PART NO.	DESCRIPTION	SIZE	
ST200	2" Poly Siphon Tube	2"	
ST300	3" Poly Siphon Tube	3"	



Polypropylene Class 150 ANSI Flanges

FEATURES

- 150 P.S.I. Maximum.
- Glass Reinforced Polypropylene.
- Heavy Duty.



150# THREADED ANSI FLANGES

PART NO.	DESCRIPTION	PIPE SIZE	
AF100	1" Female Thread ANSI Flange	1"	
AF150	1 1/2" Female Thread ANSI Flange	1 1/2"	
AF200	2" Female Thread ANSI Flange	2"	
AF300	3" Female Thread ANSI Flange	3"	
AF400	4" Female Thread ANSI Flange	4"	

150# BLIND ANSI FLANGES

PART NO.	DESCRIPTION	PIPE SIZE	
AFB100	1" Blind ANSI Flange	N/A	
AFB150	1 1/2" Blind ANSI Flange	N/A	
AFB200	2" Blind ANSI Flange	N/A	
AFB300	3" Blind ANSI Flange	N/A	
AFB400	4" Blind ANSI Flange	N/A	



ANSI Flange Gasket

ANSI FLANGE EPDM GASKETS

PART NO.	DESCRIPTION	QTY.	
AF100G	1" ANSI Flange Gasket – EPDM	1 pc.	
AF150G	1 1/2" ANSI Flange Gasket – EPDM	1 pc.	
AF200G	2" ANSI Flange Gasket – EPDM	1 pc.	
AF300G	3" ANSI Flange Gasket – EPDM	1 pc.	
AF400G	4" ANSI Flange Gasket – EPDM	1 pc.	

ANSI FLANGE FKM VITON TYPE GASKETS

PART NO.	DESCRIPTION	QTY.	
AF100GV	1" ANSI Flange Gasket – FKM (viton type)	1 pc.	
AF150GV	1 1/2" ANSI Flange Gasket – FKM (viton type)	1 pc.	
AF200GV	2" ANSI Flange Gasket – FKM (viton type)	1 pc.	
AF300GV	3" ANSI Flange Gasket – FKM (viton type)	1 pc.	
AF400GV	4" ANSI Flange Gasket – FKM (viton type)	1 pc.	

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 & proper fit.
- Versatile to interchange with all types of cam lever couplings.
- 150 P.S.I. maximum operating pressure.
- Standard with Buna "N" gaskets. FKM (viton type) & EPDM available. PTFE Available upon request.
- Smooth operation makes connections quick & easy.



WARNING: Couplings should not be disconnected under pressure or with liquid in the line.

CAM LEVER COUPLINGS

ITEM	DESCRIPTION	SIZE AND PART NUMBER					
		3/4"	1"	1 1/2"	2"	3"	4"
A	Male Adapter — Female Thread	075ASS	100ASS	150ASS	200ASS	300ASS	400ASS
B	Female Coupler — Male Thread	075BSS	100BSS	150BSS	200BSS	300BSS	400BSS
C	Female Coupler — Hose Shank	075CSS	100CSS	150CSS	200CSS	300CSS	400CSS
D	Female Coupler — Female Thread	075DSS	100DSS	150DSS	200DSS	300DSS	400DSS
E	Male Adapter — Hose Shank	075ESS	100ESS	150ESS	200ESS	300ESS	400ESS
F	Male Adapter — Male Thread	075FSS	100FSS	150FSS	200FSS	300FSS	400FSS
PL	Plug for Female Coupler	075PL/SS	100PL/SS	150PL/SS	200PL/SS	300PL/SS	400PL/SS
CAP	Cap for Male Adapter	075CAP/SS	100CAP/SS	150CAP/SS	200CAP/SS	300CAP/SS	400CAP/SS

3/4" SERIES (316 STAINLESS STEEL)					
PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY.	
075ASS	3/4" Male Adapter — 3/4" Female Thread	150	N/A	1 pc.	
075BSS	3/4" Female Coupler — 3/4" Male Thread	150	Buna	1 pc.	
075CSS	3/4" Female Coupler — 3/4" Hose Shank	150	Buna	1 pc.	
075DSS	3/4" Female Coupler — 3/4" Female Thread	150	Buna	1 pc.	
075ESS	3/4" Male Adapter — 3/4" Hose Shank	150	N/A	1 pc.	
075FSS	3/4" Male Adapter — 3/4" Male Thread	150	N/A	1 pc.	
075CAP/SS	3/4" Cap - Male Adapter	150	Buna	1 pc.	
075PL/SS	3/4" Plug - Female Coupler	150	N/A	1 pc.	

1" SERIES (316 STAINLESS STEEL)					
PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY.	
100ASS	1" Male Adapter — 1" Female Thread	150	N/A	1 pc.	
100BSS	1" Female Coupler — 1" Male Thread	150	Buna	1 pc.	
100CSS	1" Female Coupler — 1" Hose Shank	150	Buna	1 pc.	
100DSS	1" Female Coupler — 1" Female Thread	150	Buna	1 pc.	
100ESS	1" Male Adapter — 1" Hose Shank	150	N/A	1 pc.	
100FSS	1" Male Adapter — 1" Male Thread	150	N/A	1 pc.	
100CAP/SS	1" Cap - Male Adapter	150	Buna	1 pc.	
100PL/SS	1" Plug - Female Coupler	150	N/A	1 pc.	



1 1/2" SERIES (316 STAINLESS STEEL)					
PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY.	
150ASS	1 1/2" Male Adapter – 1 1/2" Female Thread	150	N/A	1 pc.	
150BSS	1 1/2" Female Coupler – 1 1/2" Male Thread	150	Buna	1 pc.	
150CSS	1 1/2" Female Coupler – 1 1/2" Hose Shank	150	Buna	1 pc.	
150DSS	1 1/2" Female Coupler – 1 1/2" Female Thread	150	Buna	1 pc.	
150ESS	1 1/2" Male Adapter – 1 1/2" Hose Shank	150	N/A	1 pc.	
150FSS	1 1/2" Male Adapter – 1 1/2" Male Thread	150	N/A	1 pc.	
150CAP/SS	1 1/2" Cap -Male Adapter	150	Buna	1 pc.	
150PL/SS	1 1/2" Plug-Female Coupler	150	N/A	1 pc.	

2" SERIES (316 STAINLESS STEEL)					
PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY.	
200ASS	2" Male Adapter – 2" Female Thread	150	N/A	1 pc.	
200BSS	2" Female Coupler – 2" Male Thread	150	Buna	1 pc.	
200CSS	2" Female Coupler – 2" Hose Shank	150	Buna	1 pc.	
200DSS	2" Female Coupler – 2" Female Thread	150	Buna	1 pc.	
200ESS	2" Male Adapter – 2" Hose Shank	150	N/A	1 pc.	
200FSS	2" Male Adapter – 2" Male Thread	150	N/A	1 pc.	
200CAP/SS	2" Cap- Male Adapter	150	Buna	1 pc.	
200PL/SS	2" Plug-Female Coupler	150	N/A	1 pc.	

3" SERIES (316 STAINLESS STEEL)					
PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY.	
300ASS	3" Male Adapter – 3" Female Thread	150	N/A	1 pc.	
300BSS	3" Female Coupler – 3" Male Thread	150	Buna	1 pc.	
300CSS	3" Female Coupler – 3" Hose Shank	150	Buna	1 pc.	
300DSS	3" Female Coupler – 3" Female Thread	150	Buna	1 pc.	
300ESS	3" Male Adapter – 3" Hose Shank	150	N/A	1 pc.	
300FSS	3" Male Adapter – 3" Male Thread	150	N/A	1 pc.	
300CAP/SS	3" Cap Male Adapter	150	Buna	1 pc.	
300PL/SS	3" Plug Female Coupler	150	N/A	1 pc.	

4" SERIES (316 STAINLESS STEEL)					
PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY.	
400ASS	4" Male Adapter – 4" Female Thread	150	N/A	1 pc.	
400BSS	4" Female Coupler – 4" Male Thread	150	Buna	1 pc.	
400CSS	4" Female Coupler – 4" Hose Shank	150	Buna	1 pc.	
400DSS	4" Female Coupler – 4" Female Thread	150	Buna	1 pc.	
400ESS	4" Male Adapter – 4" Hose Shank	150	N/A	1 pc.	
400FSS	4" Male Adapter – 4" Male Thread	150	N/A	1 pc.	
400CAP/SS	4" Cap For Male Adapter	150	Buna	1 pc.	
400PL/SS	4" Plug Female Coupler	150	N/A	1 pc.	

REPLACEMENT PARTS - STAINLESS STEEL COUPLING CAM ARMS			
PART NO.	DESCRIPTION	QTY.	
75K	3/4" Cam Arm w/Ring	1	
100K	1" Cam Arm w/Ring	1	
150(200)K6	Cam Arm w/Ring (Fits 1 1/2" & 2")	1	
300K6	Cam Arm w/Ring (Fits 3" & 4")	1	

REPLACEMENT PARTS - STAINLESS STEEL COUPLING PINS AND RINGS			
PART NO.	DESCRIPTION	QTY.	
75P	Pin 3/4"	1	
100P	Pin 1"	1	
200P	Pin (Fits 1 1/2" & 2")	1	
300MP	Pin (Fits 3" & 4")	1	
100RING	Ring – Stainless (Fits 3/4" & 1")	1	
150RING	Ring – Stainless(Fits 1 1/2", 2", 3" & 4")	1	

REPLACEMENT PARTS - STAINLESS STEEL COUPLING FKM (VITON TYPE) GASKETS			
PART NO.	DESCRIPTION	QTY.	
75GV	3/4" FKM (viton type)	100	
100GV	1" FKM (viton type)	100	
150GV	1 1/2" FKM (viton type)	100	
200GV	2" FKM (viton type)	50	
300GV	3" FKM (viton type)	25	
400GV	4" FKM (viton type)	25	

REPLACEMENT PARTS - STAINLESS STEEL COUPLING BUNA (STANDARD) GASKETS			
PART NO.	DESCRIPTION	QTY.	
75GB	3/4" Buna	100	
100GB	1" Buna	100	
150GB	1 1/2" Buna	100	
200GB	2" Buna	50	
300GB	3" Buna	25	
400GB	4" Buna	25	

FDA Cam Lever Couplings



A



B



C



D



E



F



WARNING: Couplings should not be disconnected under pressure or with liquid in the line.



PL



CAP

CAM LEVER COUPLINGS

FEATURES

- Stainless steel rings, arms & pins.
- Most complete line of polypropylene FDA couplings available.
- Versatile — interchangeable with all types of cam lever couplers.
- Precision molded — insures a uniform and accurate fit.
- Smooth operating — finger rings are designed for easy opening of cam levers.
- Complete series of 3/4", 1", 1 1/4", 1 1/2", 2", 3" NPT thread.
- Operating conditions:
 - 3/8" thru 2" — 100 PS.I. at 0°F; 125 PS.I. at 70°F; 70 PS.I. at 150°F
 - 3" Cap-50 PS.I. Couplings-75 PS.I. max.
- Economical and superior in performance.
- Standard with FDA EPDM gaskets.

• DURABLE — FDA POLYPROPYLENE IS GLASS FILLED FOR RUGGED STRENGTH AND DURABILITY.



ITEM	DESCRIPTION	SIZE AND PART NUMBER				
		3/4"	1"	1 1/2"	2"	3"
A	Male Adapter — Female Thread (FDA)	75A3/4FD	100AFD	150AFD	200AFD	300AFD
B	Female Coupler — Male Thread (FDA)	75BFD	100BFD	150BFD	200BFD	300BFD
C	Female Coupler — Hose Shank (FDA)	075CFD	100CFD	150CFD	200CFD	300CFD
D	Female Coupler — Female Thread (FDA)	075DFD	100DFD	150DFD	200DFD	300DFD
E	Male Adapter — Hose Shank (FDA)	075EFD	100EFD	150EFD	200EFD	300EFD
F	Male Adapter — Male Thread (FDA)	075FFD	100FFD	150FFD	200FFD	300FFD
PL	Plug for Female Coupler (FDA)	75PLFD	100PLFD	150PLFD	200PLFD	300PLFD
CAP	Cap for Male Adapter (FDA)	075CAPFD	100CAPFD	150CAPFD	200CAPFD	300CAPFD



3/4" FDA QUICK DISCONNECT COUPLINGS					
PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY.	
75A3/4FD	Male Adapter 3/4" Female Thread (FDA)	125	N/A	10/Bag	
75BFD	Female Coupler 3/4" Male Thread (FDA)	125	FDA EPDM	10/Bag	
075CFD	Female Coupler 3/4" Hose Shank (FDA)	125	FDA EPDM	10/Bag	
075DFD	Female Coupler 3/4" Female Thread (FDA)	125	FDA EPDM	10/Bag	
075EFD	Male Adapter 3/4" Hose Shank (FDA)	125	N/A	10/Bag	
075FFD	Male Adapter 3/4" Male Thread (FDA)	125	N/A	10/Bag	
75PLFD	Plug (Fits 1/2" & 3/4" Banjo Couplings) (FDA)	125	N/A	10/Bag	
075CAPFD	Cap (Fits 1/2" and 3/4" Couplings) (FDA)	125	FDA EPDM	10/Bag	

2" FDA QUICK DISCONNECT COUPLINGS					
PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY.	
200AFD	Male Adapter 2"Female Thread (FDA)	125	N/A	10/Bag	
200BFD	Female Coupler 2" Male Thread (FDA)	125	FDA EPDM	1 pc.	
200CFD	Female Coupler 2" Hose Shank (FDA)	125	FDA EPDM	1 pc.	
200DFD	Female Coupler 2"Female Thread (FDA)	125	FDA EPDM	1 pc.	
200EFD	Male Adapter 2" Hose Shank (FDA)	125	N/A	10/Bag	
200FFD	Male Adapter 2" Male Thread (FDA)	125	N/A	10/Bag	
200PLFD	2" Plug (FDA)	125	N/A	10/Bag	
200CAPFD	2" Cap (FDA)	125	FDA EPDM	1 pc.	
200CAPSHFD	2"Capw/Short Arms(FDA)	125	FDA EPDM	1 pc.	

1" FDA QUICK DISCONNECT COUPLINGS					
PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY.	
100AFD	Male Adapter 1"Female Thread (FDA)	125	N/A	10/Bag	
100BFD	Female Coupler 1" Male Thread (FDA)	125	FDA EPDM	10/Bag	
100CFD	Female Coupler 1" Hose Shank (FDA)	125	FDA EPDM	10/Bag	
100DFD	Female Coupler 1" Female Thread (FDA)	125	FDA EPDM	10/Bag	
100EFD	Male Adapter 1" Hose Shank (FDA)	125	N/A	10/Bag	
100FFD	Male Adapter 1" Male Thread (FDA)	125	N/A	10/Bag	
100125PLFD	Plug (Fits 1" and 1 1/4" Banjo Couplings) (FDA)	125	N/A	10/Bag	
100125CAPFD	Cap (Fits 1" and 1 1/4" Couplings) (FDA)	125	FDA EPDM	10/Bag	

3" FDA QUICK DISCONNECT COUPLINGS					
PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY.	
300AFD	Male Adapter 3"Female Thread (FDA)	75	N/A	1 pc.	
300BFD	Female Coupler 3" Male Thread (FDA)	75	FDA EPDM	1 pc.	
300CFD	Female Coupler 3" Hose Shank (FDA)	75	FDA EPDM	1 pc.	
300DFD	Female Coupler 3"Female Thread (FDA)	75	FDA EPDM	1 pc.	
300EFD	Male Adapter 3" Hose Shank (FDA)	75	N/A	1 pc.	
300FFD	Male Adapter 3" Male Thread (FDA)	75	N/A	1 pc.	
300PLFD	3" Plug (FDA)	75	N/A	1 pc.	
300CAPFD	3" Cap (FDA)	50	FDA EPDM	1 pc.	

1 1/2" FDA QUICK DISCONNECT COUPLINGS					
PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY.	
150AFD	Male Adapter 1 1/2" Female Thread (FDA)	125	N/A	10/Bag	
150BFD	Female Coupler 1 1/2" Male Thread (FDA)	125	FDA EPDM	1 pc.	
150CFD	Female Coupler 1 1/2" Hose Shank (FDA)	125	FDA EPDM	1 pc.	
150DFD	Female Coupler 1 1/2" Female Thread (FDA)	125	FDA EPDM	1 pc.	
150EFD	Male Adapter 1 1/2" Hose Shank (FDA)	125	N/A	10/Bag	
150FFD	Male Adapter 1 1/2" Male Thread (FDA)	125	N/A	10/Bag	
150PLFD	1 1/2" Plug (FDA)	125	N/A	10/Bag	
150CAPFD	1 1/2" Cap (FDA)	125	FDA EPDM	1 pc.	

REPLACEMENT PARTS FDA COUPLING			
PART NO.	DESCRIPTION		QTY.
75GFD	3/4" Gasket (FDA EPDM)(Fits 1/2" & 3/4")		100/Bag
100GW	1" Gasket (FDA EPDM)(Fits 1" & 1 1/4")		100/Bag
150GFD	1 1/2" Gasket (FDA EPDM)		100/Bag
200GFD	2" Gasket (FDA EPDM)		50/Bag
300GFD	3" Gasket (FDA EPDM)		25/Bag
75K	Cam Arm S.S. w/Ring (Fits 1/2" & 3/4")		1
100K	Cam Arm S.S. w/Ring (Fits 1" & 1 1/4")		1
150(200)K	Cam Arm S.S. w/Ring (Fits 1 1/2" & 2")		1
300K	Cam Arm S.S. w/Ring 3" & 4"		1
75P	Cam Pin (Fits 1/2" & 3/4")		1
100P	Cam Pin Stainless (Fits 1" & 1 1/4")		1
200P	Cam Pin Stainless 1 1/2" & 2"		1
300P	Cam Pin Stainless (Fits 3" & 4")		1
100 Ring	Ring - Stainless (Fits 1/2", 1" & 1 1/4")		1
150 Ring	Ring - Stainless (Fits 1 1/2", 2" & 3")		1
V20207	11" Lanyard		1



WARNING: Couplings should not be disconnected under pressure or with liquid in the line.

Polypropylene Cam Lever Couplings



FEATURES

- Stainless steel rings, arms & pins.
- Most complete line of polypropylene couplings available.
- Versatile — interchangeable with all types of cam lever couplers.
- Precision molded — insures a uniform and accurate fit.
- Durable — Polypropylene is glass filled for rugged strength and durability.
- Smooth operating — finger rings are designed for easy opening of cam levers.
- Complete series of 1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 3" and 4" NPT thread.
- BSP threads available 1" - 3" sizes (excluding 1 1/4").
- Operating conditions:
 - 3/8" thru 2" — 100 P.S.I. at 0°F; 125 P.S.I. at 70°F; 70 P.S.I. at 150°F
 - 2 1/2", 3" & 4" Cap-50 P.S.I.; Couplings 75 P.S.I. max.
- Economical and superior in performance.
- Standard with EPDM gaskets. Buna "N", and FKM (viton type) also available.

CAM LEVER COUPLINGS



WARNING: Couplings should not be disconnected under pressure or with liquid in the line.



200FF



ITEM	DESCRIPTION	1/4"	3/8"	1/2"***	3/4"	1"	1 1/4"***	1 1/2" x 1 1/4"****	1 1/2"	2"	2 1/2"	3"	3" 3 ARMS	4" 3 ARMS
A	Male Adapter — Female Thread	75A1/4	75A3/8	75A1/2	75A3/4	100A	125A	150125A	150A	200A		300A		400A
B	Female Coupler — Male Thread			75B1/2	75B3/4	100B	125B	150125B	150B	200B		300B		400B
C	Female Coupler — Hose Shank			050C	075C	100C	125C	150125C	150C	200C		300C	303C	400C
D	Female Coupler — Female Thread		075D3/8	050D	075D	100D	125D	150125D	150D	200D		300D		400D
E	Male Adapter — Hose Shank			050E	075E	100E	125E	150125E	150E	200E		300E		400E
F	Male Adapter — Male Thread			050F	075F	100F	125F	150125F	150F	200F		300F		400F
PL	Plug for Female Coupler			75PL	75PL	100125PL	100125PL	150PL	150PL	200PL	250PL	300PL		400PL
CAP	Cap for Male Adapter			075CAP	075CAP	100125CAP	100125CAP	150CAP	150CAP	200CAP	250CAP	300CAP		400CAP (2 arms)
CAP	Cap w/short Arms							200CAPSH						

NOTE: *1/4", 3/8" and 1/2" series couplings interchange with 3/4" size couplings. Coupling ends are 3/4" size.
 **1 1/4" series couplings interchange with 1" size couplings. Coupling ends are 1" size.
 ****1 1/2" x 1 1/4" couplings interchange with 1 1/2" size couplings. Coupling ends are 1 1/2" size.



1/2" POLY QUICK DISCONNECT COUPLINGS				
PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY.
75A1/2	Male Adapter 1/2" Female Thread	125	N/A	10
75B1/2	Female Coupler 1/2" Male Thread	125	EPDM	10
050C	Female Coupler 1/2" Hose Shank	125	EPDM	10
050D	Female Coupler 1/2" Female Thread	125	EPDM	10
050E	Male Adapter 1/2" Hose Shank	125	N/A	10
050F	Male Adapter 1/2" Male Thread	125	N/A	10
75PL	Plug (Fits 1/2" & 3/4" Banjo Couplings)	125	N/A	10
075CAP	Cap (Fits 1/2" & 3/4" Banjo Couplings)	125	EPDM	10

NOTE: 1/2" couplings interchange with 3/4" couplings.
 Banjo 1 1/4" Couplers & Adapters will interchange with 1" Couplings.
 Only the Threads and Barbs are 1 1/4".

1 1/4" x 1" POLY QUICK DISCONNECT COUPLINGS				
PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY.
125A	1" Male Adapter 1 1/4" Female Thread	125	N/A	10/Bag
125B	1" Female Coupler 1 1/4" Male Thread	125	EPDM	10/Bag
125C	1" Female Coupler 1 1/4" Hose Shank	125	EPDM	10/Bag
125D	1" Female Coupler 1 1/4" Female Thread	125	EPDM	10/Bag
125E	1" Male Adapter 1 1/4" Hose Shank	125	N/A	10/Bag
125F	1" Male Adapter 1 1/4" Male Thread	125	N/A	10/Bag
100125PL	1" Plug (Fits 1" & 1 1/4" Banjo Couplings)	125	N/A	10/Bag
100125CAP	1" Cap (Fits 1" & 1 1/4" Couplings)	125	EPDM	10/Bag

3/4" POLY QUICK DISCONNECT COUPLINGS				
PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY.
75A3/4	Male Adapter 3/4" Female Thread	125	N/A	10/Bag
75B3/4	Female Coupler 3/4" Male Thread	125	EPDM	10/Bag
075C	Female Coupler 3/4" Hose Shank	125	EPDM	10/Bag
075D	Female Coupler 3/4" Female Thread	125	EPDM	10/Bag
075D3/8	Female Coupler 3/8" Female Thread	125	N/A	10/Bag
075E	Male Adapter 3/4" Hose Shank	125	N/A	10/Bag
075F	Male Adapter 3/4" Male Thread	125	N/A	10/Bag
75PL	Plug (Fits 1/2" and 3/4" Banjo Couplings)	125	N/A	10/Bag
075CAP	Cap (Fits 1/2" and 3/4" Couplings)	125	EPDM	10/Bag

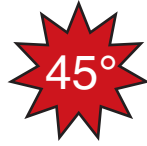
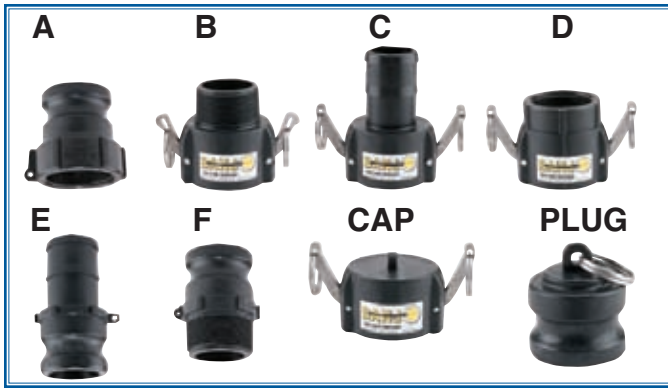
1 1/4" x 1 1/2" POLY QUICK DISCONNECT COUPLINGS				
PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY.
150125A	1 1/2" Male Adapter 1 1/4" Female Thread	125	N/A	10/Bag
150125B	1 1/2" Female Coupler 1 1/4" Male Thread	125	EPDM	1 pc.
150125C	1 1/2" Female Coupler 1 1/4" Hose Shank	125	EPDM	1 pc.
150125D	1 1/2" Female Coupler 1 1/4" Female Thread	125	EPDM	1 pc.
150125E	1 1/2" Male Adapter 1 1/4" Hose Shank	125	N/A	10/Bag
150125F	1 1/2" Male Adapter 1 1/4" Male Thread	125	N/A	10/Bag
150PL	1 1/2" Plug	125	N/A	10/Bag
150CAP	1 1/2" Cap	125	EPDM	1 pc.

***Note: 1 1/2" x 1 1/4" couplings interchange with 1 1/2" size couplings.**
 Coupling and Adapter ends are 1 1/2" size. Only the threads and barbs are 1 1/4".

1" POLY QUICK DISCONNECT COUPLINGS				
PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY.
100A	Male Adapter 1" Female Thread	125	N/A	10/Bag
100B	Female Coupler 1" Male Thread	125	EPDM	10/Bag
100C	Female Coupler 1" Hose Shank	125	EPDM	10/Bag
100D	Female Coupler 1" Female Thread	125	EPDM	10/Bag
100E	Male Adapter 1" Hose Shank	125	N/A	10/Bag
100F	Male Adapter 1" Male Thread	125	N/A	10/Bag
100125PL	Plug (Fits 1" and 1 1/4" Banjo Couplings)	125	N/A	10/Bag
100125CAP	Cap (Fits 1" and 1 1/4" Couplings)	125	EPDM	10/Bag

1 1/2" POLY QUICK DISCONNECT COUPLINGS				
PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY.
150A	Male Adapter 1 1/2" Female Thread	125	N/A	10/Bag
150B	Female Coupler 1 1/2" Male Thread	125	EPDM	1 pc.
150C	Female Coupler 1 1/2" Hose Shank	125	EPDM	1 pc.
150D	Female Coupler 1 1/2" Female Thread	125	EPDM	1 pc.
150E	Male Adapter 1 1/2" Hose Shank	125	N/A	10/Bag
150F	Male Adapter 1 1/2" Male Thread	125	N/A	10/Bag
150PL	1 1/2" Plug	125	N/A	10/Bag
150CAP	1 1/2" Cap	125	EPDM	1 pc.

2" SPOOL ADAPTER				
PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY.
200FF	2" x 2" Male Adapter	125	N/A	10/Bag



200F45

4" POLY QUICK DISCONNECT COUPLINGS					
PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY.	
400A	Male Adapter – 4" Female Thread	75	N/A	1 pc.	
400B	Female Coupler – 4" Male Thread	75	EPDM	1 pc.	
400C	Female Coupler – 4" Hose Shank	75	EPDM	1 pc.	
400D	Female Coupler – 4" Female Thread	75	EPDM	1 pc.	
400E	Male Adapter – 4" Hose Shank	75	N/A	1 pc.	
400F	Male Adapter – 4" Male Thread	75	N/A	1 pc.	
400PL	Plug for Female Coupler	75	N/A	1 pc.	
400CAP	Cap for Male Adapter	50	EPDM	1 pc.	

(PTFE Gaskets available upon request.)

2" POLY QUICK DISCONNECT COUPLINGS					
PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY.	
200A	Male Adapter 2" Female Thread	125	N/A	10/Bag	
200B	Female Coupler 2" Male Thread	125	EPDM	1 pc.	
200C	Female Coupler 2" Hose Shank	125	EPDM	1 pc.	
200D	Female Coupler 2" Female Thread	125	EPDM	1 pc.	
200E	Male Adapter 2" Hose Shank	125	N/A	10/Bag	
200F	Male Adapter 2" Male Thread	125	N/A	10/Bag	
200F45	Male Adapter 45° 2" Male Thread	125	N/A	10/Bag	
200PL	2" Plug	125	N/A	10/Bag	
200CAP	2" Cap	125	EPDM	1 pc.	
200CAPSH	2" Cap w/Short Arms	125	EPDM	1 pc.	

REPLACEMENT PARTS - POLY COUPLING		
PART NO.	DESCRIPTION	QTY.
75G	3/4" Gasket (EPDM) (Fits 1/2" & 3/4")	100/Bag
100G	1" Gasket (EPDM)(Fits 1" & 1 1/4")	100/Bag
150G	1 1/2" Gasket (EPDM)	100/Bag
200G	2" Gasket (EPDM)	50/Bag
250G	2 1/2" Gasket (EPDM)	50/Bag
300G	3" Gasket (EPDM)	25/Bag
400G	4" Gasket (EPDM)	25/Bag
75GB	3/4" Gasket (Buna) (Fits 1/2" & 3/4")	100/Bag
100GB	1" Gasket (Buna) (Fits 1" & 1 1/4")	100/Bag
150GB	1 1/2" Gasket (Buna)	100/Bag
200GB	2" Gasket (Buna)	50/Bag
300GB	3" Gasket (Buna)	25/Bag
400GB	4" Gasket (Buna)	25/Bag
75GV	3/4" Gasket FKM (viton type) (Fits 1/2" & 3/4")	100/Bag
100GV	1" Gasket FKM (viton type) (Fits 1" & 1 1/4")	100/Bag
150GV	1 1/2" Gasket FKM (viton type).	100/Bag
200GV	2" Gasket FKM (viton type)	50/Bag
250GV	2 1/2" Gasket FKM (viton type)	50/Bag
300GV	3" Gasket FKM (viton type)	25/Bag
400GV	4" Gasket FKM (viton type)	25/Bag
075GXT	3/4" Extra Thick Gasket (EPDM) (Fits 1/2" & 3/4")	100/Bag
100GXT	1" Extra Thick Gasket (EPDM) (Fits 1" & 1 1/4")	100/Bag
150GXT	1 1/2" Extra Thick Gasket (EPDM)	100/Bag
200GXT	2" Extra Thick Gasket (EPDM)	50/Bag
300GXT	3" Extra Thick Gasket (EPDM)	25/Bag
400GXT	4" Extra Thick Gasket (EPDM)	25/Bag
150GXTV	1 1/2" Extra Thick Gasket FKM (viton type)	1
200GXTV	2" Extra Thick Gasket FKM (viton type)	1
300GVXT	3" Extra Thick Gasket FKM (viton type)	1
75K	Cam Arm S.S. w/Ring (Fits 1/2" & 3/4")	1
100K	Cam Arm S.S. w/Ring (Fits 1" & 1 1/4")	1
150(200)K	Cam Arm S.S. w/Ring (Fits 1 1/2" & 2")	1
300K	Cam Arm S.S. w/Ring 3" & 4"	1
75P	Cam Pin (Fits 1/2" & 3/4")	1
100P	Cam Pin Stainless (Fits 1" & 1 1/4")	1
200P	Cam Pin Stainless 1 1/2" & 2"	1
300P	Cam Pin Stainless (Fits 3" & 4")	1
100RING	Ring – Stainless (Fits 1/2", 1" & 1 1/4")	1
150RING	Ring – Stainless (Fits 1 1/2", 2" & 3")	1
V20207	11" Lanyard	1

2 1/2" POLY QUICK DISCONNECT COUPLINGS					
PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY.	
250PL	2 1/2" Plug	75	N/A	1 pc.	
250CAP	2 1/2" Cap	50	EPDM	1 pc.	

3" POLY QUICK DISCONNECT COUPLINGS					
PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY.	
300A	Male Adapter 3" Female Thread	75	N/A	1 pc.	
300B	Female Coupler 3" Male Thread	75	EPDM	1 pc.	
300C	Female Coupler 3" Hose Shank	75	EPDM	1 pc.	
303C	Female Coupler w/3Arms 3" Hose Shank	75	EPDM	1 pc.	
300D	Female Coupler 3" Female Thread	75	EPDM	1 pc.	
300E	Male Adapter 3" Hose Shank	75	N/A	1 pc.	
300F	Male Adapter 3" Male Thread	75	N/A	1 pc.	
300PL	3" Plug	75	N/A	1 pc.	
300CAP	3" Cap	50	EPDM	1 pc.	

CAM LEVER COUPLINGS



Locking Cam Lever Poly Couplings

PATENT PENDING

**EASY
ACTION
LOCKING
LEVER**



WARNING:
Locking Cam Arm Lever is not intended to be used as a security device or to prevent unauthorized opening of coupling assembly.



1 1/2" LOCKING COUPLINGS

1 1/2" LOCKING CAM LEVER POLY COUPLINGS					
PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY.	
L150B	Female Coupler-Male Thread	125	EPDM	1 pc.	
L150C	Female Coupler-Hose Shank	125	EPDM	1 pc.	
L150D	Female Coupler-Female Thread	125	EPDM	1 pc.	
L150CAP	Cap for Male Adapter	125	EPDM	1 pc.	

2" LOCKING COUPLINGS

2" LOCKING CAM LEVER POLY COUPLINGS					
PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY.	
L200B	Female Coupler-Male Thread	125	EPDM	1 pc.	
L200C	Female Coupler-Hose Shank	125	EPDM	1 pc.	
L200D	Female Coupler-Female Thread	125	EPDM	1 pc.	
L200CAP	Cap for Male Adapter	125	EPDM	1 pc.	

**2" FEMALE COUPLER
X 1 1/2" HOSE SHANK**



FEATURES

- All Stainless Steel construction.
- Easy action lever.
- Excellent for high vibration applications.

LOCKING ARM W/RING



PIN

2" X 1 1/2" PART C					
PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY.	
200150C	2" Female Quick Connect x 1 1/2" Hose Shank	125	EPDM	1 pc.	

LOCKING ARM W/RING FOR 1 1/2" & 2" LOCKING CAM LEVER POLY COUPLINGS					
PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY.	
200KL	Locking Cam Arm w/Ring	N/A	N/A	1 pc.	
200PKL	Coupling Pin	N/A	N/A	1 pc.	

Note: Fits 1 1/2" & 2" Poly Couplings Only

Polypropylene 90° Couplings 1 1/2" & 2"

FEATURES

- Precision molded in polypropylene, reinforced with fiberglass for strength and durability.
- Stainless steel rings, cam levers and pins resist corrosion.
- Banjo 90° angle couplings and adapters will reduce the number of elbows and other pipe fittings used in plumbing applications.

1 1/2" & 2" POLYPROPYLENE 90° COUPLINGS				
PART NO.	DESCRIPTION	MAX PSI	GASKET	QTY.
150A90	90° Male Adapter 1 1/2" Female Thread	125	EPDM	1 pc.
150C90	90° Female Coupler 1 1/2" Hose Shank	125	EPDM	1 pc.
150D90	90° Female Coupler 1 1/2" Female Thread	125	EPDM	1 pc.
150F90	90° Male Adapter 1 1/2" Male Thread	125	EPDM	1 pc.
200A90	90° Male Adapter 2" Female Thread	125	EPDM	1 pc.
200C90	90° Female Coupler 2" Hose Shank	125	EPDM	1 pc.
200D90	90° Female Coupler 2" Female Thread	125	EPDM	1 pc.
200F90	90° Male Adapter 2" Male Thread	125	EPDM	1 pc.



WARNING: Couplings should not be disconnected under pressure or with liquid in the line.

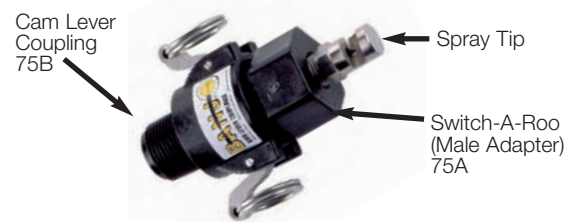
CAM LEVER COUPLINGS

Polypropylene Switch-a-Roos

FEATURES

- 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 1/2" or 3/4" pipe thread and normally mounted on the spray boom.
- The male adapter is available in four different thread sizes 1/4", 3/8", 1/2", and 3/4" to fit all size spray nozzles.
- Switch-A-Roo's available with self-aligning grooves.

PART NO.	DESCRIPTION	QTY./BAG
75A1/4/SA	3/4" Male Adapter 1/4" with Self-aligning Groove	10
75A3/8/SA	3/4" Male Adapter 3/8" with Self-aligning Groove	10
75A1/2/SA	3/4" Male Adapter 1/2" with Self-aligning Groove	10
75A3/4/SA	3/4" Male Adapter 3/4" with Self-aligning Groove	10
75A1/4	3/4" Male Adapter 1/4" Female Thread	10
75A3/8	3/4" Male Adapter 3/8" Female Thread	10
75A1/2	3/4" Male Adapter 1/2" Female Thread	10
75A3/4	3/4" Male Adapter 3/4" Female Thread	10
75B1/2	3/4" Female Coupler 1/2" Male Thread	10
75B3/4	3/4" Female Coupler 3/4" Male Thread	10



Polypropylene Pipe Fittings

FEATURES

- Glass Reinforced Polypropylene.
- Heavy duty (Schedule 80).
- Lightweight with excellent strength.
- NPT threads.
- Excellent chemical resistance.
- Pressure to 150 PS.I. at 70°F

Note: Please order in bag/box quantities for quick and easy shipping/ receiving of your order. Use BANJO Part Numbers when ordering. All items priced each, not per bag or box quantity.

POLY NIPPLES

PART NO.	DESCRIPTION	QTY.
NIP025-SH	1/4" x Short Poly Nipple	10/Bag
NIP038-SH	3/8" x Short Poly Nipple	10/Bag
NIP050-SH	1/2" x Short Poly Nipple	10/Bag
NIP050-3	1/2" x 3" Poly Nipple	10/Bag
NIP075-SH	3/4" x Short Poly Nipple	10/Bag
NIP075-4	3/4" x 4" Poly Nipple	10/Bag
NIP075-6	3/4" x 6" Poly Nipple	10/Bag
NIP100-SH	1" x Short Poly Nipple	10/Bag
NIP100-4	1" x 4" Poly Nipple	10/Bag
NIP100-6	1" x 6" Poly Nipple	10/Bag
NIP125-SH	1 1/4" x Short Poly Nipple	10/Bag
NIP125-4	1 1/4" x 4" Poly Nipple	10/Bag
NIP125-6	1 1/4" x 6" Poly Nipple	10/Bag
NIP150-SH	1 1/2" x Short Poly Nipple	10/Bag
NIP150-3	1 1/2" x 3" Poly Nipple	10/Bag
NIP150-4	1 1/2" x 4" Poly Nipple	10/Bag
NIP150-5	1 1/2" x 5" Poly Nipple	10/Bag
NIP150-6	1 1/2" x 6" Poly Nipple	10/Bag
NIP200-SH	2" x Short Poly Nipple	10/Bag
NIP200-4	2" x 4" Poly Nipple	10/Bag
NIP200-6	2" x 6" Poly Nipple	10/Bag
NIP300-SH	3" x Short Poly Nipple	1 pc.
NIP300-4	3" x 4" Poly Nipple	1 pc.
NIP300-6	3" x 6" Poly Nipple	1 pc.
NIP400-SH	4" x Short Poly Nipple	1 pc.

POLY PIPE COUPLINGS

PART NO.	DESCRIPTION	QTY.
CPLG038	3/8" Poly Pipe Coupling	10/Bag
CPLG050	1/2" Poly Pipe Coupling	10/Bag
CPLG075	3/4" Poly Pipe Coupling	10/Bag
CPLG100	1" Poly Pipe Coupling	10/Bag
CPLG125	1 1/4" Poly Pipe Coupling	10/Bag
CPLG150	1 1/2" Poly Pipe Coupling	10/Bag
CPLG200	2" Poly Pipe Coupling	10/Bag
CPLG300	3" Poly Pipe Coupling	1 pc.

POLY PIPE CAPS

PART NO.	DESCRIPTION	QTY.
CAP050	1/2" Poly Pipe Cap	10/Bag
CAP075	3/4" Poly Pipe Cap	10/Bag
CAP100	1" Poly Pipe Cap	10/Bag
CAP125	1 1/4" Poly Pipe Cap	10/Bag
CAP150	1 1/2" Poly Pipe Cap	10/Bag
CAP200	2" Poly Pipe Cap	10/Bag
CAP300	3" Poly Pipe Cap	1 pc.

POLY REDUCING COUPLINGS

PART NO.	DESCRIPTION	QTY.
RC100-075	1" x 3/4" Poly Red. Coupling	10/Bag
RC150-100	1 1/2" x 1" Poly Red. Coupling	10/Bag
RC150-125	1 1/2" x 1 1/4" Poly Red. Coupling	10/Bag
RC200-050	2" x 1/2" Poly Red. Coupling	10/Bag
RC200-100	2" x 1" Poly Red. Coupling	10/Bag
RC200-125	2" x 1 1/4" Poly Red. Coupling	10/Bag
RC200-150	2" x 1 1/2" Poly Red. Coupling	10/Bag
RC300-200	3" x 2" Poly Red. Coupling	1 pc.

POLY REDUCING NIPPLES

PART NO.	DESCRIPTION	QTY.
RN050-038	1/2" x 3/8" Poly Reducer Nipple	10/Bag
RN075-050	3/4" x 1/2" Poly Reducer Nipple	10/Bag
RN100-050	1" x 1/2" Poly Reducer Nipple	10/Bag
RN100-075	1" x 3/4" Poly Reducer Nipple	10/Bag
RN125-075	1 1/4" x 3/4" Poly Reducer Nipple	10/Bag
RN125-100	1 1/4" x 1" Poly Reducer Nipple	10/Bag
RN150-100	1 1/2" x 1" Poly Reducer Nipple	10/Bag
RN150-125	1 1/2" x 1 1/4" Poly Reducer Nipple	10/Bag
RN200-125	2" x 1 1/4" Poly Reducer Nipple	10/Bag
RN200-150	2" x 1 1/2" Poly Reducer Nipple	10/Bag
RN300-200	3" x 2" Poly Reducer Nipple	1 pc.

POLY PIPE PLUGS

PART NO.	DESCRIPTION	QTY.
PLUG050	1/2" Poly Pipe Plug	10/Bag
PLUG075	3/4" Poly Pipe Plug	10/Bag
PLUG100	1" Poly Pipe Plug	10/Bag
PLUG125	1 1/4" Poly Pipe Plug	10/Bag
PLUG150	1 1/2" Poly Pipe Plug	10/Bag
PLUG200	2" Poly Pipe Plug	10/Bag
PLUG300	3" Poly Pipe Plug	1 pc.

Polypropylene Pipe Fittings

POLY REDUCING BUSHING			
PART NO.	DESCRIPTION	QTY.	
RB038-025	3/8" MPT x 1/4" FPT Red. Bush.	10/Bag	
RB050-025	1/2" MPT x 1/4" FPT Red. Bush.	10/Bag	
RB050-038	1/2" MPT x 3/8" FPT Red. Bush.	10/Bag	
RB075-018	3/4" MPT x 1/8" FPT Red. Bush.	10/Bag	
RB075-025	3/4" MPT x 1/4" FPT Red. Bush.	10/Bag	
RB075-038	3/4" MPT x 3/8" FPT Red. Bush.	10/Bag	
RB075-050	3/4" MPT x 1/2" FPT Red. Bush.	10/Bag	
RB100-018	1" MPT x 1/8" FPT Red. Bush.	10/Bag	
RB100-025	1" MPT x 1/4" FPT Red. Bush.	10/Bag	
RB100-050	1" MPT x 1/2" FPT Red. Bush.	10/Bag	
RB100-075	1" MPT x 3/4" FPT Red. Bush.	10/Bag	
RB125-038	1 1/4" MPT x 3/8" FPT Red. Bush.	10/Bag	
RB125-075	1 1/4" MPT x 3/4" FPT Red. Bush.	10/Bag	
RB125-100	1 1/4" MPT x 1" FPT Red. Bush.	10/Bag	
RB150-075	1 1/2" MPT x 3/4" FPT Red. Bush.	10/Bag	
RB150-100	1 1/2" MPT x 1" FPT Red. Bush.	10/Bag	
RB150-125	1 1/2" MPT x 1 1/4" Red. Bush.	10/Bag	
RB200-075	2" MPT x 3/4" FPT Red. Bush.	10/Bag	
RB200-100	2" MPT x 1" FPT Red. Bush.	10/Bag	
RB200-125	2" MPT x 1 1/4" FPT Red. Bush.	10/Bag	
RB200-150	2" MPT x 1 1/2" Red. Bush.	10/Bag	
RB300-150	3" MPT x 1 1/2" Red. Bush.	1 pc.	
RB300-200	3" MPT x 2" Red. Bush.	1 pc.	
RB400-300	4" MPT x 3" FPT Red. Bush.	1 pc.	



POLY ELBOWS 90°			
PART NO.	DESCRIPTION	QTY.	
EL038-90	3/8" Poly Pipe Elbow 90°	10/Bag	
EL050-90	1/2" Poly Pipe Elbow 90°	10/Bag	
EL075-90	3/4" Poly Pipe Elbow 90°	10/Bag	
EL100-90	1" Poly Pipe Elbow 90°	10/Bag	
EL125-90	1 1/4" Poly Pipe Elbow 90°	10/Bag	
EL150-90	1 1/2" Poly Pipe Elbow 90°	10/Bag	
EL200-90	2" Poly Pipe Elbow 90°	1 pc.	
EL300-90	3" Poly Pipe Elbow 90°	1 pc.	

POLY STREET ELBOWS 90°			
PART NO.	DESCRIPTION	QTY.	
SL038-90	3/8" Pipe Street Elbow 90°	10/Bag	
SL050-90	1/2" Pipe Street Elbow 90°	10/Bag	
SL075-90	3/4" Pipe Street Elbow 90°	10/Bag	
SL100-90	1" Pipe Street Elbow 90°	10/Bag	
SL125-90	1 1/4" Pipe Street Elbow 90°	10/Bag	
SL150-90	1 1/2" Pipe Street Elbow 90°	10/Bag	
SL200-90	2" Pipe Street Elbow 90°	1 pc.	
SL300-90	3" Pipe Street Elbow 90°	1 pc.	



POLY CROSSES			
PART NO.	DESCRIPTION	QTY.	
CR050	1/2" Poly Cross	5/Bag	
CR075	3/4" Poly Cross	5/Bag	
CR100	1" Poly Cross	5/Bag	
CR125	1 1/4" Poly Cross	1 pc.	
CR150	1 1/2" Poly Cross	1 pc.	
CR200	2" Poly Cross	1 pc.	



POLY STREET ELBOWS 45°			
PART NO.	DESCRIPTION	QTY.	
SL075-45	3/4" Poly Pipe Street Elbow 45°	10/Bag	
SL100-45	1" Poly Pipe Street Elbow 45°	10/Bag	
SL125-45	1 1/4" Poly Pipe Street Elbow 45°	10/Bag	
SL150-45	1 1/2" Poly Pipe Street Elbow 45°	10/Bag	
SL200-45	2" Poly Pipe Street Elbow 45°	10/Bag	
SL300-45	3" Poly Pipe Street Elbow 45°	1 pc.	



POLY PIPE TEE			
PART NO.	DESCRIPTION	QTY.	
TEE038	3/8" Poly Pipe Tee	10/Bag	
TEE050	1/2" Poly Pipe Tee	10/Bag	
TEE075	3/4" Poly Pipe Tee	10/Bag	
TEE100	1" Poly Pipe Tee	10/Bag	
TEE125	1 1/4" Poly Pipe Tee	10/Bag	
TEE150	1 1/2" Poly Pipe Tee	1 pc.	
TEE200	2" Poly Pipe Tee	1 pc.	
TEE300	3" Poly Pipe Tee	1 pc.	



POLY ELBOW 45°			
PART NO.	DESCRIPTION	QTY.	
EL100-45	1" Poly Pipe Elbow 45°	10/Bag	



POLY ELBOW 90°			
PART NO.	DESCRIPTION	QTY.	
HBEL100-90	1" Poly Hose Barb Elbow 90°	10/Bag	



POLY GAUGE TEE (GAUGE NOT INCLUDED)			
PART NO.	DESCRIPTION	QTY.	
TEG100	1" Poly Pipe Tee With 1/4" Female Thread	10/Bag	



POLY ELBOW 90°			
PART NO.	DESCRIPTION	QTY.	
HBEL150/100-90	1 1/2" Hose Barb x 1" Male Thread	1	



NOTE: Please order in bag / box quantities for quick and easy shipping / receiving of your order. Use BANJO Part Numbers when ordering. All items priced each, not per bag or box quantity.



Polypropylene Hose Barbs

FEATURES

- Precision molded in polypropylene.
- Glass reinforced for stability, strength and toughness.
- Hose barbs are molded specifically to fit properly into hoses.
- Combination sizes available for elbows and straight barbs.
- Excellent chemical resistance.
- Pressure to 150 P.S.I. at 70°.

POLY STRAIGHT HOSE BARBS

PART NO.	DESCRIPTION	QTY.
HB025	1/4" Male Thread x 1/4" HB	10/Bag
HB025-038	1/4" Male Thread x 3/8" HB	10/Bag
HB025-050	1/4" Male Thread x 1/2" HB	10/Bag
HB038	3/8" Male Thread x 3/8" HB	10/Bag
HB038-050	3/8" Male Thread x 1/2" HB	10/Bag
HB050-038	1/2" Male Thread x 3/8" HB	10/Bag
HB050	1/2" Male Thread x 1/2" HB	10/Bag
HB050-075	1/2" Male Thread x 3/4" HB	10/Bag
HB075-038	3/4" Male Thread x 3/8" HB	10/Bag
HB075-050	3/4" Male Thread x 1/2" HB	10/Bag
HB075-058	3/4" Male Thread x 5/8" HB	10/Bag
HB075	3/4" Male Thread x 3/4" HB	10/Bag
HB075-100	3/4" Male Thread x 1" HB	10/Bag
HB100-075	1" Male Thread x 3/4" HB	10/Bag
HB100	1" Male Thread x 1" HB	10/Bag
HB100-125	1" Male Thread x 1 1/4" HB	10/Bag
HB125-075	1 1/4" Male Thread x 3/4" HB	10/Bag
HB125-100	1 1/4" Male Thread x 1" HB	10/Bag
HB125	1 1/4" Male Thread x 1 1/4" HB	10/Bag
HB125-150	1 1/4" Male Thread x 1 1/2" HB	10/Bag
HB150-100	1 1/2" Male Thread x 1" HB	10/Bag
HB150-125	1 1/2" Male Thread x 1 1/4" HB	10/Bag
HB150	1 1/2" Male Thread x 1 1/2" HB	10/Bag
HB150-200	1 1/2" Male Thread x 2" HB	10/Bag
HB200-150	2" Male Thread x 1 1/2" HB	10/Bag
HB200	2" Male Thread x 2" HB	10/Bag
HB300	3" Male Thread x 3" HB	1 pc.
HB400	4" Male Thread x 4" HB	1 pc.



POLY 90° HOSE BARBS

PART NO.	DESCRIPTION	QTY.
HB025-90	1/4" Male Thread x 1/4" HB 90°	10/Bag
HB025/038-90	1/4" Male Thread x 3/8" HB 90°	10/Bag
HB025/050-90	1/4" Male Thread x 1/2" HB 90°	10/Bag
HB038-90	3/8" Male Thread x 3/8" HB 90°	10/Bag
HB050/038-90	1/2" Male Thread x 3/8" HB 90°	10/Bag
HB050-90	1/2" Male Thread x 1/2" HB 90°	10/Bag
HB050/075-90	1/2" Male Thread x 3/4" HB 90°	10/Bag
HB075/050-90	3/4" Male Thread x 1/2" HB 90°	10/Bag
HB075-90	3/4" Male Thread x 3/4" HB 90°	10/Bag
HB075/100-90	3/4" Male Thread x 1" HB 90°	10/Bag
HB100/075-90	1" Male Thread x 3/4" HB 90°	10/Bag
HB100-90	1" Male Thread x 1" HB 90°	10/Bag
HB100/125-90	1" Male Thread x 1 1/4" HB 90°	10/Bag
HB125/100-90	1 1/4" Male Thread x 1" HB 90°	10/Bag
HB125-90	1 1/4" Male Thread x 1 1/4" HB 90°	10/Bag
HB125/150-90	1 1/4" Male Thread x 1 1/2" HB 90°	10/Bag
HB150/125-90	1 1/2" Male Thread x 1 1/4" HB 90°	10/Bag
HB150-90	1 1/2" Male Thread x 1 1/2" HB 90°	10/Bag
HB200/150-90	2" Male Thread x 1 1/2" HB 90°	10/Bag
HB200-90	2" Male Thread x 2" HB 90°	10/Bag
HB300-90	3" Male Thread x 3" HB 90°	1 pc.

POLY HOSE MENDERS

PART NO.	DESCRIPTION	QTY.
HM050	1/2" x 1/2" Hose Barb	10/Bag
HM075	3/4" x 3/4" Hose Barb	10/Bag
HM100	1" x 1" Hose Barb	10/Bag
HM125	1 1/4" x 1 1/4" Hose Barb	10/Bag
HM150	1 1/2" x 1 1/2" Hose Barb	10/Bag
HM200	2" x 2" Hose Barb	10/Bag
HM300	3" x 3" Hose Barb	1 pc.



FEMALE HOSE BARB

PART NO.	DESCRIPTION	QTY.
HBF075	3/4" Female Thread	10/bag
HBF075-100	3/4" Female Thread x 1" Hose Shank	10/bag
HBF100	1" Female Thread x 1" Hose Shank	10/bag



POLY HOSE BARB TEES

PART NO.	DESCRIPTION	QTY.
HBT050-038	1/2" x 1/2" x 3/8" HB Tee	10/Bag
HBT050-075	1/2" x 1/2" x 3/4" HB Tee	10/Bag
HBT075-050	3/4" x 3/4" x 1/2" HB Tee	10/Bag
HBT075	3/4" HB Tee	10/Bag
HBT075-100	3/4" x 3/4" x 1" HB Tee	10/Bag
HBT100-075	1" x 1" x 3/4" HB Tee	10/Bag
HBT100	1" HB Tee	10/Bag



POLY HOSE BARB THREADED TEES

PART NO.	DESCRIPTION	QTY.
HBT100-100	1" Hose Barb x 1" Hose Barb x 1" Male Thread Hose Barb Tee	1
HBT150-100	1 1/2" Hose Barb x 1 1/2" Hose Barb x 1" Male Thread Hose Barb Tee	1
HBT150-150	1 1/2" Hose Barb x 1 1/2" Hose Barb x 1 1/2" Male Thread Hose Barb Tee	1



316 STAINLESS STEEL HOSE BARBS

PART NO.	DESCRIPTION	QTY.
HB025SS	1/4" Male Thread x 1/4" Hose Shank	1 pc.
HB025-038SS	1/4" Male Thread x 3/8" Hose Shank	1 pc.
HB025-050SS	1/4" Male Thread x 1/2" Hose Shank	1 pc.
HB038SS	3/8" Male Thread x 3/8" Hose Shank	1 pc.
HB038-050SS	3/8" Male Thread x 1/2" Hose Shank	1 pc.
HB050-025SS	1/2" Male Thread x 1/4" Hose Shank	1 pc.
HB050SS	1/2" Male Thread x 1/2" Hose Shank	1 pc.
HB050-058SS	1/2" Male Thread x 5/8" Hose Shank	1 pc.
HB050-075SS	1/2" Male Thread x 3/4" Hose Shank	1 pc.
HB075-050SS	3/4" Male Thread x 1/2" Hose Shank	1 pc.
HB075SS	3/4" Male Thread x 3/4" Hose Shank	1 pc.
HB075-100SS	3/4" Male Thread x 1" Hose Shank	1 pc.
HB100-075SS	1" Male Thread x 3/4" Hose Shank	1 pc.
HB100SS	1" Male Thread x 1" Hose Shank	1 pc.
HB125SS	1 1/4" Male Thread x 1 1/4" Hose Shank	1 pc.
HB150SS	1 1/2" Male Thread x 1 1/2" Hose Shank	1 pc.
HB200SS	2" Male Thread x 2" Hose Shank	1 pc.
HB300SS	3" Male Thread x 3" Hose Shank	1 pc.



P I P E F I T T I N G S

Recommended procedure for sealing pipe threads:

We DO NOT recommend using pipe tape. Pipe tape enlarges the outside diameter of the male thread and may cause the female thread to split.

We recommend using a pipe thread sealant. Use on clean tapered threads. Apply a thick even coat on male threads using brush applicator. For pipe diameters smaller than 1 1/4" apply to male threads only. For 1 1/4" and larger sizes apply to both male and female threads. Avoid applying excessive amounts. Hand tighten joints and then torque another 1/2 to 3/4 turn until threads seal.

RECTORSEAL® No. 21™: This is a slow drying, soft set multi-purpose sealant designed for use where black is preferred. 8 oz. can with brush in the cap. Conforms to TT-S-1732.

RECTORSEAL® TRU-BLU™: This is a fast drying, flexible set thread sealant designed for high vibration environments. Teflon®* has been added to enhance thread lubrication during assembly and break out. 8 oz. can with brush in the cap. Conforms to TT-S-1732.

NOTE: All recommendations as to use of parts and materials mentioned in this catalog assume that the buyer will ascertain their suitability and that all safety and health standards are met.
*DuPont Registered Trademark



POLY SWIVEL 75 PSI MAX		
PART NO.	DESCRIPTION	QTY.
SW100	1" Male X 1" Female Swivel	1
SW150	1 1/2" Male X 1 1/2" Female Swivel	1
SW200	2" Male X 2" Female Swivel	1

PIPE SEALANT		
PART NO.	DESCRIPTION	QTY.
RS21	RECTORSEAL® No. 21™ (8 oz. - 24/case)	1 can
RSTB	RECTORSEAL® TRU-BLU™ (8 oz. - 24/case)	1 can
RSTB-2	RECTORSEAL® TRU-BLU™ w/TFE (2 oz)	1 tube



POLY MANIFOLD		
PART NO.	DESCRIPTION	QTY.
TM075/050	8 Station Manifold 3/4" Inlet x 1/2" Outlet, 1/4" Gauge Port	1

PIPE FITTINGS

Banjo Super Clamps

FEATURES

- Stainless steel construction.
- Stainless steel bolt with silver plated nut to prevent seizing.
- 360° sealing surface.
- Ideal for high torque applications.
- Strong, positive connections where ordinary hose clamps fail.
- Nylon lock nut feature.
- T-bolt design.
- 3 spot welds for extra strength.

Sold in Bags of 10 ONLY



Torque Specifications: Working Torque: 50-80 inch pounds. Maximum Torque: 125 inch pounds

BANJO SUPER CLAMPS				
PARTNO.	DESCRIPTION	MIN/MAX DIAMETER	MAX TORQUE	QTY.
TC162	1 1/4" T-Bolt Hose Clamp	1.62"/1.87"	125 in-lbs	10/Bag
TC181	1 1/2" T-Bolt Hose Clamp	1.81"/2.06"	125 in-lbs	10/Bag
TC193	1 1/2" T-Bolt Hose Clamp	1.93"/2.18"	125 in-lbs	10/Bag
TC218	2" T-Bolt Hose Clamp	2.18"/2.50"	125 in-lbs	10/Bag
TC231	2" T-Bolt Hose Clamp	2.31"/2.62"	125 in-lbs	10/Bag
TC250	2" T-Bolt Hose Clamp	2.50"/2.81"	125 in-lbs	10/Bag
TC287	2" T-Bolt Hose Clamp	2.87"/3.18"	125 in-lbs	10/Bag
TC331	3" T-Bolt Hose Clamp	3.31"/3.62"	125 in-lbs	10/Bag
TC343	3" T-Bolt Hose Clamp	3.43"/3.75"	125 in-lbs	10/Bag
TC425	4" T-Bolt Hose Clamp	4.25"/4.56"	125 in-lbs	10/Bag
TC438	4" T-Bolt Hose Clamp	4.38"/4.76"	125 in-lbs	10/Bag
TC456	4" T-Bolt Hose Clamp	4.56"/4.94"	125 in-lbs	10/Bag



Banjo Line Strainers

STANDARD MESHES AND DATA (For General Use Only)

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



1/2" - 2" Poly "Y" Line Strainers



3/4" - 1 1/2" Poly "T" Strainers



1 1/2" - 2" Poly "Y" Easy Clean Line Strainers



3" Poly "Y" Line Strainers



2" Poly/Stainless "T" Line Strainers



3" 316 Stainless Steel "Y" Easy Clean Line Strainers

Polypropylene Mini "T" Line Strainers



1/2" Mini T-Strainer with Clear Bowl





FEATURES

- Heavy-duty glass reinforced polypropylene.
- Clear or black polypropylene bowl.
- Polypropylene ribbed 304 stainless steel screens.
- EPDM gaskets standard. FKM (viton type) available.
- Clear Bowl Max 100 P.S.I. at 70°F. Black Bowl Max 150 P.S.I. at 70°F.
- Convenient color coded screens for easy mesh size identification. (Refer to chart below)



1/2" Mini T-Strainer with Black Bowl

1/2" POLY RIBBED SCREEN COLOR CHART

MESH SIZE	RIB COLOR
30 Mesh	Yellow 
50 Mesh	Red 
80 Mesh	Blue 
100 Mesh	Green 

1/2" Mini T-Strainer with Clear Bowl

PART NO.	SIZE	DESCRIPTION	QTY.
LSTM050-30C	1/2" x 1/2"	Clear Bowl Strainer- 30 Mesh Scr.	1
LSTM050-50C	1/2" x 1/2"	Clear Bowl Strainer-50 Mesh Scr.	1
LSTM050-80C	1/2" x 1/2"	Clear Bowl Strainer-80 Mesh Scr.	1
LSTM050-100C	1/2" x 1/2"	Clear Bowl Strainer-100 Mesh Scr.	1

1/2" Mini T-Strainer with Black Bowl

PART NO.	SIZE	DESCRIPTION	QTY.
LSTM050-30	1/2" x 1/2"	Clear Bowl Strainer- 30 Mesh Scr.	1
LSTM050-50	1/2" x 1/2"	Clear Bowl Strainer-50 Mesh Scr.	1
LSTM050-80	1/2" x 1/2"	Clear Bowl Strainer-80 Mesh Scr.	1
LSTM050-100	1/2" x 1/2"	Clear Bowl Strainer-100 Mesh Scr.	1

3/4" Mini T-Strainer with Clear Bowl

PART NO.	SIZE	DESCRIPTION	QTY.
LSTM075-30C	3/4" x 3/4"	Clear Bowl Strainer- 30 Mesh Scr.	1
LSTM075-50C	3/4" x 3/4"	Clear Bowl Strainer-50 Mesh Scr.	1
LSTM075-80C	3/4" x 3/4"	Clear Bowl Strainer-80 Mesh Scr.	1
LSTM075-100C	3/4" x 3/4"	Clear Bowl Strainer-100 Mesh Scr.	1

3/4" Mini T-Strainer with Black Bowl

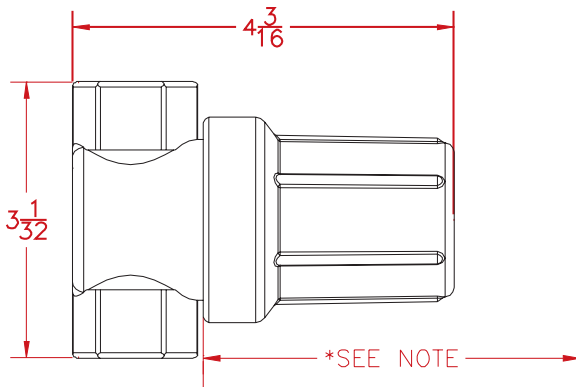
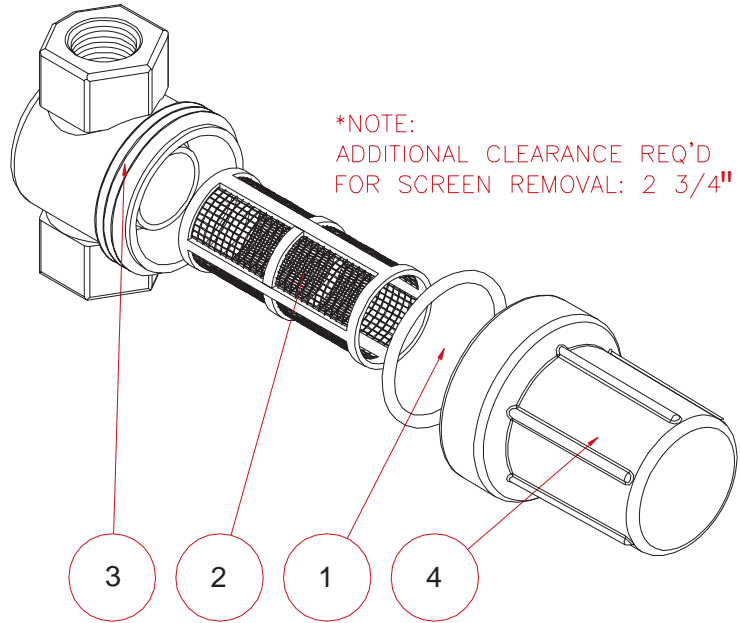
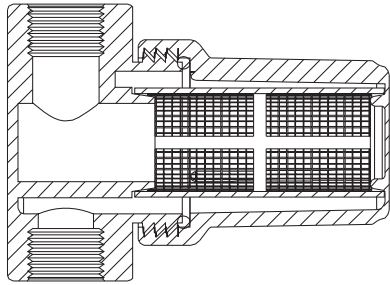
PART NO.	SIZE	DESCRIPTION	QTY.
LSTM075-30	3/4" x 3/4"	Clear Bowl Strainer- 30 Mesh Scr.	1
LSTM075-50	3/4" x 3/4"	Clear Bowl Strainer-50 Mesh Scr.	1
LSTM075-80	3/4" x 3/4"	Clear Bowl Strainer-80 Mesh Scr.	1
LSTM075-100	3/4" x 3/4"	Clear Bowl Strainer-100 Mesh Scr.	1

LINE STRAINERS

STANDARD MESHES AND DATA (For General Use Only)

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





LINE STRAINERS

REPLACEMENT PARTS			
1/2" & 3/4" Mini T-Strainer with Clear Bowl			
ITEM	PART NO.	DESCRIPTION	QTY.
1	LSTM050G	EPDM Gasket	1
1	UV10264V	FKM (viton type) O-Ring	1
2	LST530	30 Mesh Screen	1
2	LST550	50 Mesh Screen	1
2	LST580	80 Mesh Screen	1
2	LST5100	100 Mesh Screen	1
3	LST050H	1/2" Strainer Head	1
3	LST075H2	3/4" Strainer Head	1
4	LST050BC	Clear Bowl	1

REPLACEMENT PARTS			
1/2" & 3/4" Mini T-Strainer with Black Bowl			
ITEM	PART NO.	DESCRIPTION	QTY.
1	LSTM050G	EPDM O-Gasket	1
1	UV10264V	FKM (viton type) O-Ring	1
2	LST530	30 Mesh Screen	1
2	LST550	50 Mesh Screen	1
2	LST580	80 Mesh Screen	1
2	LST5100	100 Mesh Screen	1
3	LST050H	1/2" Strainer Head	1
3	LST075H2	3/4" Strainer Head	1
4	LST050B	Mini T-Strainer Bowl	1

Polypropylene "Y" Strainers



**All Poly Screens
Now Available!**

2" POLY RIBBED SCREEN COLOR CHART

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

FEATURES

- Precision molded construction.
- Corrosion resistant.
- Lightweight.
- Fiberglass reinforced.
- Easy grip end cap.
- Poly ribbed 316 stainless steel screen.
- EPDM gaskets FKM (viton type) available.
- Heavy duty end cap threads.
- 1/2"-1 1/4" 75 P.S.I. Maximum.
- 1/2"-2" 150 P.S.I. Maximum.
- Clean-out plug.
- Female NPT x Female NPT.

1 1/2" & 2" WITH ALL POLY SCREENS

PART NO.	SIZE	DESCRIPTION	QTY.
LS150-12P	1 1/2" x 1 1/2"	Strainer - 12 Mesh All Poly Screen	12
LS150-20P	1 1/2" x 1 1/2"	Strainer - 20 Mesh All Poly Screen	12
LS150-50P	1 1/2" x 1 1/2"	Strainer - 50 Mesh All Poly Screen	12
LS200-12P	2" x 2"	Strainer - 12 Mesh All Poly Screen	12
LS200-20P	2" x 2"	Strainer - 20 Mesh All Poly Screen	12
LS200-50P	2" x 2"	Strainer - 50 Mesh All Poly Screen	12

1/2" THRU 1 1/4" WITH SS SCREEN

PART NO.	SIZE	DESCRIPTION	QTY.
LS050-20	1/2" x 1/2"	Strainer - 20 Mesh S.S. Screen	1 pc.
LS050-40	1/2" x 1/2"	Strainer - 40 Mesh S.S. Screen	1 pc.
LS050-80	1/2" x 1/2"	Strainer - 80 Mesh S.S. Screen	1 pc.
LS075-20	3/4" x 3/4"	Strainer - 20 Mesh S.S. Screen	1 pc.
LS075-40	3/4" x 3/4"	Strainer - 40 Mesh S.S. Screen	1 pc.
LS075-80	3/4" x 3/4"	Strainer - 80 Mesh S.S. Screen	1 pc.
LS100-20	1" x 1"	Strainer - 20 Mesh S.S. Screen	1 pc.
LS100-40	1" x 1"	Strainer - 40 Mesh S.S. Screen	1 pc.
LS100-80	1" x 1"	Strainer - 80 Mesh S.S. Screen	1 pc.
LS125-20	1 1/4" x 1 1/4"	Strainer - 20 Mesh S.S. Screen	1 pc.
LS125-40	1 1/4" x 1 1/4"	Strainer - 40 Mesh S.S. Screen	1 pc.
LS125-80	1 1/4" x 1 1/4"	Strainer - 80 Mesh S.S. Screen	1 pc.

1 1/2" THRU 2" POLY RIBBED WITH 316 SS SCREEN

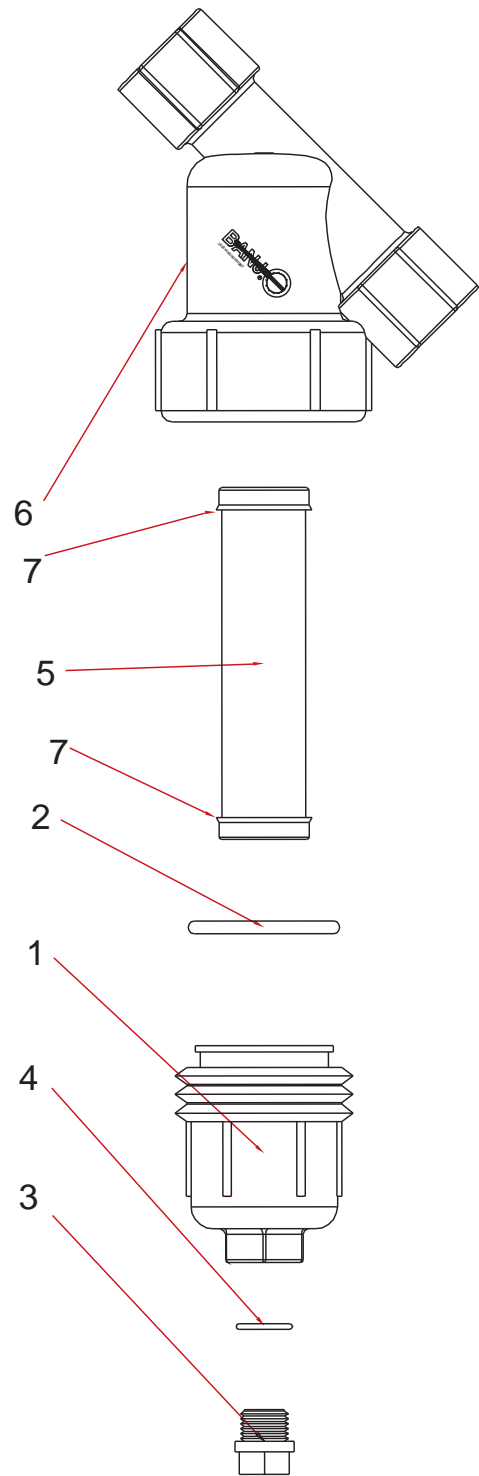
PART NO.	SIZE	DESCRIPTION	QTY.
LS150-06	1 1/2" x 1 1/2"	Strainer - 6 Mesh All Poly Screen	12
LS150-12	1 1/2" x 1 1/2"	Strainer - 12 Mesh S.S. Screen	12
LS150-20	1 1/2" x 1 1/2"	Strainer - 20 Mesh S.S. Screen	12
LS150-30	1 1/2" x 1 1/2"	Strainer - 30 Mesh S.S. Screen	12
LS150-50	1 1/2" x 1 1/2"	Strainer - 50 Mesh S.S. Screen	12
LS150-80	1 1/2" x 1 1/2"	Strainer - 80 Mesh S.S. Screen	12
LS150-120	1 1/2" x 1 1/2"	Strainer - 120 Mesh S.S. Screen	12
LS200-06	2" x 2"	Strainer - 6 Mesh All Poly Screen	12
LS200-08	2" x 2"	Strainer - 8 Mesh S.S. Screen	12
LS200-12	2" x 2"	Strainer - 12 Mesh S.S. Screen	12
LS200-20	2" x 2"	Strainer - 20 Mesh S.S. Screen	12
LS200-30	2" x 2"	Strainer - 30 Mesh S.S. Screen	12
LS200-50	2" x 2"	Strainer - 50 Mesh S.S. Screen	12
LS200-80	2" x 2"	Strainer - 80 Mesh S.S. Screen	12
LS200-100	2" x 2"	Strainer - 100 Mesh S.S. Screen	12
LS200-120	2" x 2"	Strainer - 120 Mesh S.S. Screen	12

STANDARD MESHES AND DATA (For General Use Only)

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

REPLACEMENT PARTS 1/2" - 2" POLY "Y" STRAINER			
ITEM	PART NO.	DESCRIPTION	QTY.
1*	LS075-C1	End Cap (Fits 1/2"-3/4" Strainer)	1
1*	LS100-C1	End Cap (Fits 1"-1 1/4" Strainer)	1
1*	LS150-C	End Cap (Fits 1 1/2"-2" Strainer) New Style	1
2	LS075-G	Gasket (Fits 1/2"-3/4" Strainer-O-Ring)	1
2	LS100-G	Gasket (Fits 1"-1 1/4" Strainer-O-Ring)	1
2	LS150-G	Gasket (Fits 1 1/2"-2" Strainer) New Style O-Ring (thicker)	1
2	LS075-GV	Gasket-FKM (viton type) (Fits 1/2"-3/4" Strainer)	1
2	LS100-GV	Gasket-FKM (viton type)(Fits 1"-1 1/4" Strainer)	1
2	LS150-GV	Gasket-FKM (viton type)(Fits 1 1/2"-2" Strainer) O-ring	1
3	12777	1/2" Drain Plug (Fits 1" and 1 1/4" strainers)	1
3	LSQ200-PL	1" Drain Plug (Fits 1 1/2" and 2" strainers)	1
3	12723	1/4" Drain Plug (Fits 1/2" and 3/4" Strainers)	1
4	12724	EPDM O-Ring for Drain Plug (Fits 1/2" and 3/4")	1
4	UV15163	EPDM O-Ring for Drain Plug (Fits 1" and 1 1/4")	1
4	UV15163V	FKM (viton type) O-Ring for Drain Plug (Fits 1" and 1 1/4" strainers)	1
4	LSQ200-R	EPDM O-Ring for Drain Plug (Fits 1 1/2" & 2")	1
4	LSQ200-RV	FKM (viton type) O-Ring for Drain Plug (Fits 1 1/2" and 2" strainers)	1
5	LS720	20 Mesh Screen (Fits 1/2"-3/4" Strainer)	1
5	LS740	40 Mesh Screen (Fits 1/2"-3/4" Strainer)	1
5	LS780	80 Mesh Screen (Fits 1/2"-3/4" Strainer)	1
5	LS120	20 Mesh Screen (Fits 1"-1 1/4" Strainer)	1
5	LS140	40 Mesh Screen (Fits 1"-1 1/4" Strainer)	1
5	LS180	80 Mesh Screen (Fits 1"-1 1/4" Strainer)	1
5	LS206	6 Mesh All Poly Screen (Fits 1 1/2"-2" Strainer)	1
5	LS208	8 Mesh Screen (Fits 1 1/2"-2" Strainer)	1
5	LS212	12 Mesh Screen (Fits 1 1/2"-2" Strainer)	1
5	LS220	20 Mesh Screen (Fits 1 1/2"-2" Strainer)	1
5	LS230	30 Mesh Screen (Fits 1 1/2"-2" Strainer)	1
5	LS250	50 Mesh Screen (Fits 1 1/2"-2" Strainer)	1
5	LS280	80 Mesh Screen (Fits 1 1/2"-2" Strainer)	1
5	LS2100	100 Mesh Screen (Fits 1 1/2"-2" Strainer)	1
5	LS2120	120 Mesh Screen (Fits 1 1/2"-2" Strainer)	1
5	LS212P	12 Mesh All Poly Screen (Fits 1 1/2"-2" Strainer)	1
5	LS220P	20 Mesh All Poly Screen (Fits 1 1/2"-2" Strainer)	1
5	LS250P	50 Mesh All Poly Screen (Fits 1 1/2"-2" Strainer)	1
6	MLS100B	"Y" Body, 1" Manifold Flange	1
6	LS200-B	"Y" Body, 2"	1
6	LS150-B	"Y" Body, 1 1/2"	1
7	LS141G	EPDM O-Ring (Fits 1 1/2"- 2" Screens)	1
7	LS125G	EPDM O-Ring (Fits 1" and 1 1/4" Screens)	1
N/A	LS050B/C1	"Y" Body, Cap and Gasket, 1/2"	1
N/A	LS075B/C1	"Y" Body, Cap and Gasket, 3/4"	1
N/A	LS100B/C1	"Y" Body, Cap and Gasket, 1"	1
N/A	LS125B/C1	"Y" Body, Cap and Gasket, 1 1/4"	1
N/A	LS150B/C	"Y" Body, Cap and Gasket, 1 1/2"	1
N/A	LS200B/C	"Y" Body and Cap and Gaskets	1

NOTE: Items Marked with Asterisk* comes with parts 1, 3, and 4.



Polypropylene "T" Line Strainers












3/4" And 1"

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.

2" POLY RIBBED SCREEN COLOR CHART

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.	SIZE	DESCRIPTION	QTY.
LST075-16	3/4" x 3/4"	Strainer — 16 Mesh S.S. Screen	1
LST075-30	3/4" x 3/4"	Strainer — 30 Mesh S.S. Screen	1
LST075-50	3/4" x 3/4"	Strainer — 50 Mesh S.S. Screen	1
LST075-80	3/4" x 3/4"	Strainer — 80 Mesh S.S. Screen	1
LST075-100	3/4" x 3/4"	Strainer — 100 Mesh S.S. Screen	1
LST100-16	1" x 1"	Strainer — 16 Mesh S.S. Screen	1
LST100-30	1" x 1"	Strainer — 30 Mesh S.S. Screen	1
LST100-50	1" x 1"	Strainer — 50 Mesh S.S. Screen	1
LST100-80	1" x 1"	Strainer — 80 Mesh S.S. Screen	1
LST100-100	1" x 1"	Strainer — 100 Mesh S.S. Screen	1

1 1/4" AND 1 1/2" POLY "T" STRAINERS

PART NO.	SIZE	DESCRIPTION	QTY.
LST125-16	1 1/4" x 1 1/4"	Strainer — 16 Mesh S.S. Screen	1
LST125-30	1 1/4" x 1 1/4"	Strainer — 30 Mesh S.S. Screen	1
LST125-50	1 1/4" x 1 1/4"	Strainer — 50 Mesh S.S. Screen	1
LST125-80	1 1/4" x 1 1/4"	Strainer — 80 Mesh S.S. Screen	1
LST125-100	1 1/4" x 1 1/4"	Strainer — 100 Mesh S.S. Screen	1
LST150-16	1 1/2" x 1 1/2"	Strainer — 16 Mesh S.S. Screen	1
LST150-30	1 1/2" x 1 1/2"	Strainer — 30 Mesh S.S. Screen	1
LST150-50	1 1/2" x 1 1/2"	Strainer — 50 Mesh S.S. Screen	1
LST150-80	1 1/2" x 1 1/2"	Strainer — 80 Mesh S.S. Screen	1
LST150-100	1 1/2" x 1 1/2"	Strainer — 100 Mesh S.S. Screen	1

LINE STRAINERS

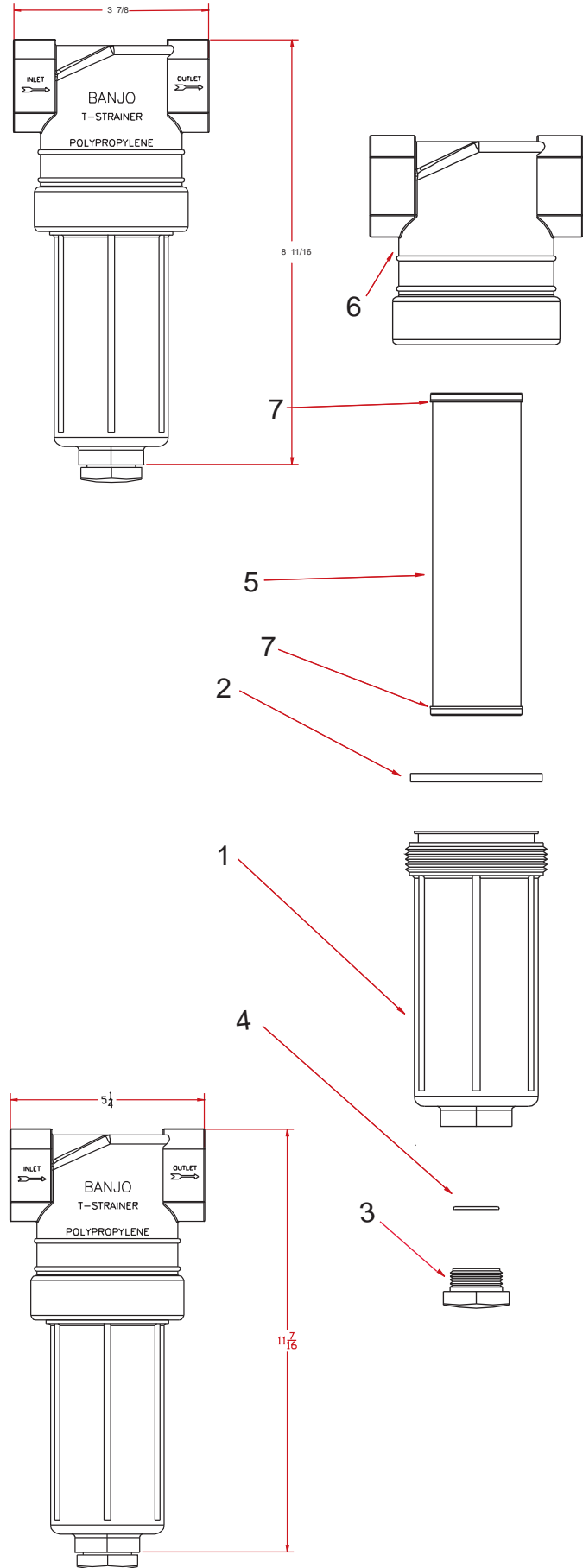
STANDARD MESHES AND DATA (For General Use Only)

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



REPLACEMENT PARTS 3/4" AND 1" POLY "T" STRAINER			
ITEM	PART NO.	DESCRIPTION	QTY.
1*	LST100-B	Poly "T" Strainer Bowl (Fits 3/4" & 1") Includes Items 1, 3 & 4	1
2	LST100-G	Poly "T" Strainer Gasket (Fits 3/4" & 1")	1
2	LST100-GV	Poly "T" Strainer Gasket (Fits 3/4" & 1") FKM (viton type)	1
3	12777	Clean-Out Plug - 1/2"	1
4	UV15163	O-Ring for Clean-Out Plug - EPDM	1
4	UV15163V	O-Ring for Clean-Out Plug-FKM (viton type)	1
5	LST116	16 Mesh Screen (Fits 3/4" & 1" "T" strainer)	1
5	LST130	30 Mesh Screen (Fits 3/4" & 1" "T" strainer)	1
5	LST150	50 Mesh Screen (Fits 3/4" & 1" "T" strainer)	1
5	LST180	80 Mesh Screen (Fits 3/4" & 1" "T" strainer)	1
5	LST1100	100 Mesh Screen (Fits 3/4" & 1" "T" strainer)	1
6	LST100-H	1" Poly "T" Strainer Head	1
6	LST075-H	3/4" Poly "T" Strainer Head	1
7	13778	EPDM O-Ring (Fits 3/4" & 1" Screens)	1
N/S	LST075-HB	3/4" Poly "T" Strainer Head, Bowl & Gasket	1
N/S	LST100-HB	1" Poly "T" Strainer Head, Bowl & Gasket	1

NOTE: Items Marked with Asterisk* comes with parts 1, 3, and 4.



REPLACEMENT PARTS 1 1/4" AND 1 1/2" POLY "T" STRAINER			
ITEM	PART NO.	DESCRIPTION	QTY.
1*	LST150-B	Poly "T" Strainer Bowl (Fits 1 1/4" & 1 1/2") Includes Items 1, 3 & 4	1
2	LST150-GV	Poly "T" Strainer Gasket - FKM (viton type) (Fits 1 1/4" & 1 1/2")	1
2	LST150-G	Poly "T" Strainer Gasket (Fits 1 1/4" & 1 1/2")	1
3	LSQ200-PL	Clean-Out Plug	1
4	LSQ200-R	O-Ring for Clean-Out Plug - EPDM	1
4	LSQ200-RV	O-Ring for Clean-Out Plug - FKM (viton type)	1
5	LST1516	16 Mesh Screen (Fits 1 1/4" & 1 1/2" "T" strainer)	1
5	LST1530	30 Mesh Screen (Fits 1 1/4" & 1 1/2" "T" strainer)	1
5	LST1550	50 Mesh Screen (Fits 1 1/4" & 1 1/2" "T" strainer)	1
5	LST1580	80 Mesh Screen (Fits 1 1/4" & 1 1/2" "T" strainer)	1
5	LST15100	100 Mesh Screen (Fits 1 1/4" & 1 1/2" "T" strainer)	1
6	LST125-H	1 1/4" Poly "T" Strainer Head	1
6	LST150-H	1 1/2" Poly "T" Strainer Head	1
7	LST034G	EPDM O-Ring (Fits 1 1/4" & 1 1/2" Screens)	1
N/S	LST125-HB	1 1/4" Poly "T" Strainer Head, Bowl & Gasket	1
N/S	LST150-HB	1 1/2" Poly "T" Strainer Head, Bowl & Gasket	1

2" "T" Line Strainer — Poly/Stainless Combo

2" FEATURES

- 316 stainless steel head.
- Glass reinforced polypropylene bowl.
- Clean-out plug.
- 316 stainless steel reinforced screens.
- FKM (viton type) gaskets.
- 150 P.S.I. at 70°F



2" POLY RIBBED SCREEN COLOR CHART

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

2" POLY / STAINLESS "T" STRAINERS

PART NO.	DESCRIPTION	QTY.
LST200-04SS	2" "T" Strainer (316 S.S. hd-p bowl) – 4 Mesh Screen	1 pc.
LST200-06SS	2" "T" Strainer (316 S.S. hd-p bowl) – 6 Mesh Screen	1 pc.
LST200-08SS	2" "T" Strainer (316 S.S. hd-p bowl) – 8 Mesh Screen	1 pc.
LST200-10SS	2" "T" Strainer (316 S.S. hd-p bowl) – 10 Mesh Screen	1 pc.
LST200-16SS	2" "T" Strainer (316 S.S. hd-p bowl) – 16 Mesh Screen	1 pc.
LST200-30SS	2" "T" Strainer (316 S.S. hd-p bowl) – 30 Mesh Screen	1 pc.
LST200-50SS	2" "T" Strainer (316 S.S. hd-p bowl) – 50 Mesh Screen	1 pc.
LST200-80SS	2" "T" Strainer (316 S.S. hd-p bowl) – 80 Mesh Screen	1 pc.
LST200-100SS	2" "T" Strainer (316 S.S. hd-p bowl) – 100 Mesh Screen	1 pc.

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 or back flushing.
- Poly ribbed stainless steel screen.
- EPDM lathe cut gasket.
- FKM (viton type) gaskets available.
- 75 P.S.I. maximum.

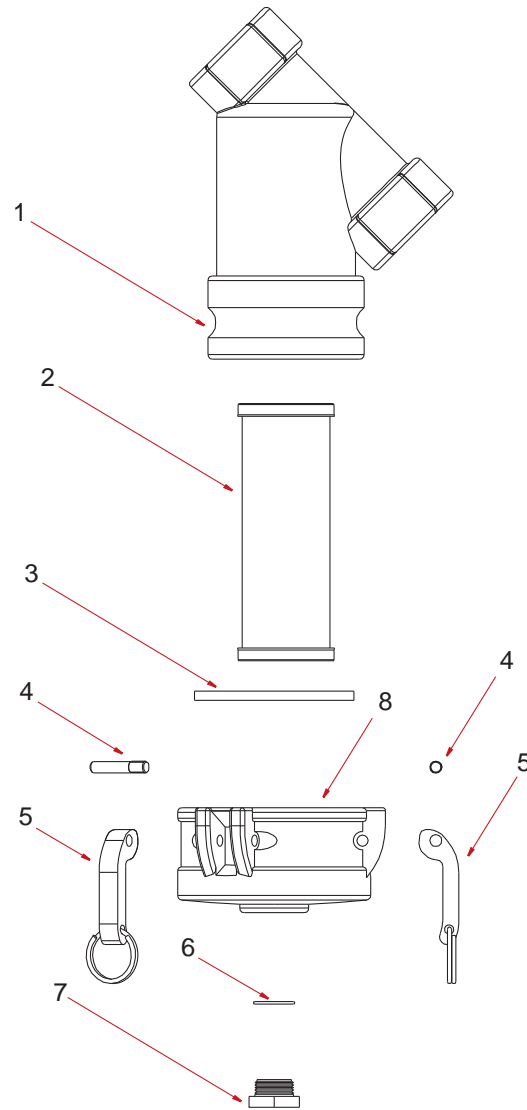
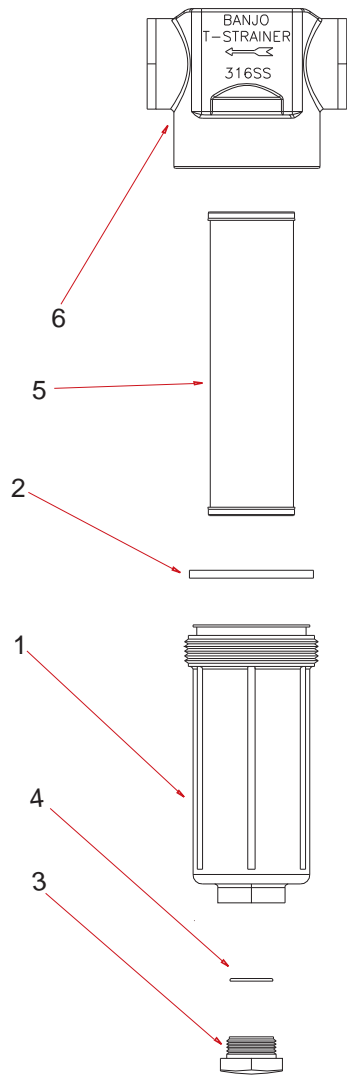


LSQ SERIES POLY STRAINERS

PART NO.	DESCRIPTION	QTY.
LSQ150-06	1 1/2" x 1 1/2"; LSQ Line Strnr – All Poly 6 Mesh Screen	6/Box
LSQ150-12	1 1/2" x 1 1/2"; LSQ Line Strnr – 12 Mesh Screen	6/Box
LSQ150-20	1 1/2" x 1 1/2"; LSQ Line Strnr – 20 Mesh Screen	6/Box
LSQ150-30	1 1/2" x 1 1/2"; LSQ Line Strnr – 30 Mesh Screen	6/Box
LSQ150-50	1 1/2" x 1 1/2"; LSQ Line Strnr – 50 Mesh Screen	6/Box
LSQ150-80	1 1/2" x 1 1/2"; LSQ Line Strnr – 80 Mesh Screen	6/Box
LSQ150-120	1 1/2" x 1 1/2"; LSQ Line Strnr – 120 Mesh Screen	6/Box
LSQ200-06	2" x 2"; LSQ Line Strainer – All Poly 6 Mesh Screen	6/Box
LSQ200-12	2" x 20"; LSQ Line Strainer – 12 Mesh Screen	6/Box
LSQ200-20	2" x 2"; LSQ Line Strainer – 20 Mesh Screen	6/Box
LSQ200-30	2" x 2"; LSQ Line Strainer – 30 Mesh Screen	6/Box
LSQ200-50	2" x 2"; LSQ Line Strainer – 50 Mesh Screen	6/Box
LSQ200-80	2" x 2"; LSQ Line Strainer – 80 Mesh Screen	6/Box
LSQ200-120	2" x 2"; LSQ Line Strainer – 120 Mesh Screen	6/Box

STANDARD MESHES AND DATA

MESH	MICRONS	WIRE DIAM.	OPENING	% OPEN AREA
6 Mesh	3360	.035	.132	62.7
12 Mesh	1680	.023	.060	51.8
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
120 Mesh	116	.0037	.0046	30.5



REPLACEMENT PARTS 2" "T" STRAINERS (316 S.S. HD W/POLY BOWL)			
ITEM	PART NO.	DESCRIPTION	QTY.
1	LST200-B	2" "T" Strainer Poly Bowl	1
2	LST200-GV	2" "T" Strainer Gasket – FKM (viton type)	1
3	LSQ200-PL	1" Clean-Out Plug	1
4	LSQ200-RV	O-Ring for Clean-Out Plug – FKM (viton type)	1
5	LST204SS	4 Mesh Screen (Fits 2" "T" Strainer)	1
5	LST206SS	6 Mesh Screen (Fits 2" "T" Strainer)	1
5	LST208SS	8 Mesh Screen (Fits 2" "T" Strainer)	1
5	LST210SS	10 Mesh Screen (Fits 2" "T" Strainer)	1
5	LST216SS	16 Mesh Screen (Fits 2" "T" Strainer)	1
5	LST230SS	30 Mesh Screen (Fits 2" "T" Strainer)	1
5	LST250SS	50 Mesh Screen (Fits 2" "T" Strainer)	1
5	LST280SS	80 Mesh Screen (Fits 2" "T" Strainer)	1
5	LST2100SS	100 Mesh Screen (Fits 2" "T" Strainer)	1
6	LST200-HSS	2" "T" Strainer 316 S.S. Head	1
N/A	LST200-HBSS	2" "T" Strainer 316 S.S. Head, Poly Bowl and Gasket	1

REPLACEMENT PARTS LSQ POLY "Y" STRAINER			
ITEM	PART NO.	DESCRIPTION	QTY.
1	LSQ150-B	1 1/2" LSQ Line Strainer Body	1
1	LSQ200-B	2" LSQ Line Strainer Body	1
2	LS206	All Poly 6 Mesh Screen (Fits 1 1/2" & 2" Screen)	1
2	LS212	12 Mesh Screen (Fits 1 1/2" & 2" Strainers)	1
2	LS220	20 Mesh Screen (Fits 1 1/2" & 2" Strainers)	1
2	LS230	30 Mesh Screen (Fits 1 1/2" & 2" Strainers)	1
2	LS250	50 Mesh Screen (Fits 1 1/2" & 2" Strainers)	1
2	LS280	80 Mesh Screen (Fits 1 1/2" & 2" Strainers)	1
2	LS2120	120 Mesh Screen (Fits 1 1/2" & 2" Strainers)	1
3	LSQ200-G	2" Gasket (Fits 1 1/2" & 2") – EPDM	1
3	LSQ200-GV	2" Gasket (Fits 1 1/2" & 2") – FKM (viton type)	1
4	300P	Cam Pin Stainless Steel (Fits LSQ Cap)	1
5	300K	Cam Arm Stainless Steel 3" w/Ring	1
6	LSQ200R1	O-Ring for Clean-Out Plug - EPDM	1
6	LSQ200-RV	O-Ring for Clean-Out Plug – FKM (viton type)	1
7	PLUG075S	1" Clean-Out Plug	1
8	LSQ200-C	2" Cap (Fits 1 1/2" & 2" Strainers)	1

3" "Y" Strainers



FEATURES

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



Easy off strainer ring!

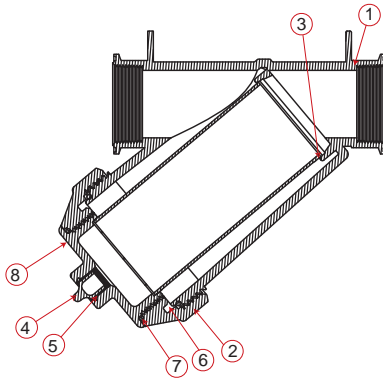
FEATURES

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



3" POLY "Y" STRAINERS

PART NO.	DESCRIPTION	QTY.
LSM300-04	3" Line Strainer With 4 Mesh Screen	2/Box
LSM300-08	3" Line Strainer With 8 Mesh Screen	2/Box
LSM300-12	3" Line Strainer With 12 Mesh Screen	2/Box
LSM300-20	3" Line Strainer With 20 Mesh Screen	2/Box
LSM300-50	3" Line Strainer With 50 Mesh Screen	2/Box



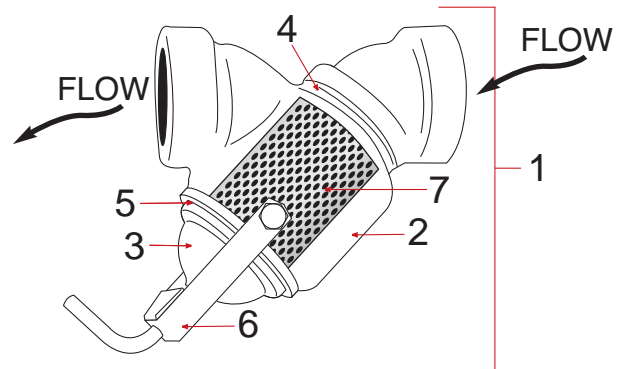
REPLACEMENT PARTS 3" POLY "Y" STRAINERS

ITEM	PART NO.	DESCRIPTION	QTY.
1	MLS300B1	3" Strainer Body	1
2	MLS300CAP	3" Strainer Cap	1
3	LS304	4 Mesh Screen (Fits 3" Strainer)	1
3	LS308	8 Mesh Screen (Fits 3" Strainer)	1
3	LS312	12 Mesh Screen (Fits 3" Strainer)	1
3	LS320	20 Mesh Screen (Fits 3" Strainer)	1
3	LS350	50 Mesh Screen (Fits 3" Strainer)	1
4	13777	Clean-Out Plug - 1/2"	1
5	13778	O-Ring Clean Out Plug-EPDM	1
6	MLS300-G	3" MLS EPDM Cap Gasket	1
7	MLS300ECG	End Cap Gasket	1
8	LS300EC	End Cap Only (Plug Sold Separately)	1

3" 316 STAINLESS STEEL "Y" STRAINERS

PART NO.	DESCRIPTION	QTY.
LSS300-BC	3" S.S. Line Strainer Body, Cap and Gaskets	1
LSS300-B	3" S.S. Line Strainer Body	1
LSS300-C	3" S.S. Line Strainer Cap	1
LSS300-S	Screen Seal	2
LSS300-SV	Screen Seal FKM (viton type)	2
LSS300-G	Replacement Gasket-CapEPDM	1
LSS300-GV	Replacement Gasket-Cap FKM (viton type)	1
LSS300-H	Handle/Clamp Assembly	1

NOTE: Screens Sold Separately.



REPLACEMENT PARTS 3" STAINLESS STEEL "Y" STRAINERS

ITEM	PART NO.	DESCRIPTION	QTY.
1	LSS300-BC	3" S.S. Line Strainer Body, Cap and Gaskets (Screen Sold Sep)	1
2	LSS300-B	3" S.S. Line Strainer Body	1
3	LSS300-C	3" S.S. Line Strainer Cap	1
4	LSS300-S	Screen Seal	2
4	LSS300-SV	Screen Seal FKM (viton type)	2
5	LSS300-G	Replacement Gasket for Cap EPDM	1
5	LSS300-GV	Replacement Gasket for Cap FKM (viton type)	1
6	LSS300-H	Handle/Clamp Assembly	1
7	LSS306	6 Mesh Screen S.S.	1
7	LSS308	8 Mesh Screen S.S.	1
7	LSS312	12 Mesh Screen S.S.	1
7	LSS320	20 Mesh Screen S.S.	1
7	LSS330	30 Mesh Screen S.S.	1
7	LSS350	50 Mesh Screen S.S.	1

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

LINE STRAINERS



Banjo Pump Index

2" Poly Pumps: Pages 108-117

Includes:
Gas Engine Pumps
Pump Only/Bearing Pedestal
Electric Motor Driven
Hydraulic Pumps



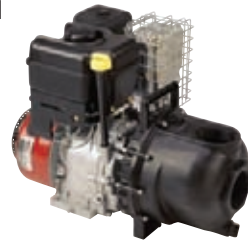
3" CI Pumps: Pages 140-147

Includes:
Gas Engine Pumps
Pump Only/Bearing Pedestal
Electric Motor Driven
Hydraulic Pumps



3" Poly Pumps: Pages 118-121

Includes:
Gas Engine Pumps
Pump Only
Bearing Pedestal Pumps
Hydraulic Pumps



2" & 3" SS Pumps: Pages 148-157

Includes:
Gas Engine Pumps
Pump Only/Bearing Pedestal.
Electric Motor Driven
Hydraulic Pumps



222 Series Pumps: Pages 122-127

Includes:
Gas Engine Pumps
Pump Only
Bearing Pedestal Pumps
Hydraulic Pumps



2" & 3" WET SEAL Pumps: Pages 158-161

Includes:
Gas Engine Pumps
Pump Only/Bearing Pedestal



333 Series Pumps: Pages 128-129

Includes:
Gas Engine Pumps
Bearing Pedestal Pumps



Old Style Poly: Page 162

Includes:
Replacement Parts for pumps manufactured prior to September 1996.

444 Series Pumps: Pages 130-131

Includes:
Gas Engine Pumps
Bearing Pedestal Pumps



2" CI Pumps: Pages 132-139

Includes:
Gas Engine Pumps
Pump Only/Bearing Pedestal
Electric Motor Driven
Hydraulic Pumps



For Engine Warranty Service Contact:



Briggs and Stratton: (414) 259-5262 or
www.briggsandstratton.com



Honda: (800) 426-7701 or www.honda.com

1½" & 2" Polypropylene Self-Priming Centrifugal Pumps

6.5 PRO HP MOTOR FEATURES

- Cast Iron Cylinder Sleeve.
- Heavy Duty Flywheel.
- Overhead Valve.
- High Oil Fill
- Oil Guard® Low Oil Sensor.
- Breather Through Air Cleaner.



**200P6PRO
190 GPM**

PUMP FEATURES

- Precision molded construction.
- Corrosion resistant.
- Low maintenance.
- Lightweight.
- Superior design.
- EPDM Standard, FKM (viton type) available.

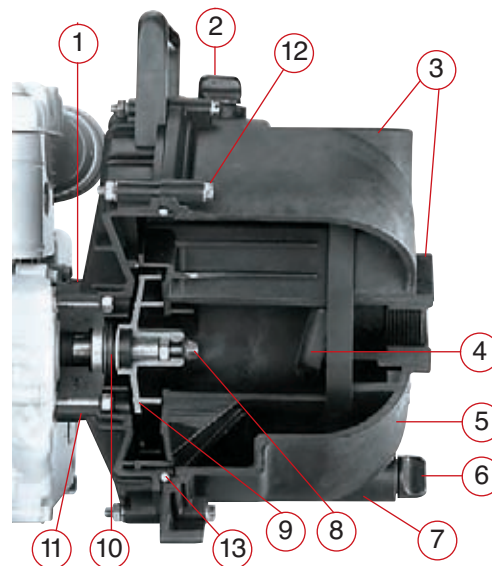
Maximum Engine Protection!

- We have designed the new Banjo poly pump to protect the engine seal in the event of pump seal failure. We have separated the pump from the engine by ½" and installed a special slinger/engine seal that completely protects the engine from any corrosive fluids. This new slinger design is the best in the poly pump industry at protecting your engine.
- For additional seal protection, small vanes are molded into the back side of the impeller. During operation, these vanes (on back side of the impeller) pump out a major portion of the liquid from the seal area which reduces pressure. The internal operating pressure of the pump is approximately 50 P.S.I. with the seal area operating at only 5 P.S.I. This leaves enough liquid in the seal area to lubricate and cool.
- Priming is now made easier by the incorporation of two new prime and drain plugs. These plugs are now made to act as thumb screws with o-ring seals for quick priming and draining before and after use. Priming is from the bottom of the pump chamber. A very small amount of liquid in the bottom of the pump is sufficient for priming since the liquid enters the volute from the bottom side. The pump will prime with the check valve open.
- The impeller has been designed for easy removal during maintenance. A 7/16 — 14 hex nut is installed into the impeller during assembly at our plant. This nut is used to lift the impeller from the engine shaft by screwing a 7/16 — 14 bolt into nut at the end of the impeller.

CAUTION-WARNING: Please do not run pump dry, restrict or reduce port sizes, or dead head pump. This could cause component failure to pump.

DO NOT USE WITH FLAMMABLE LIQUIDS.

NOTE: Engine warranty service available at authorized Briggs & Stratton and Honda dealers.

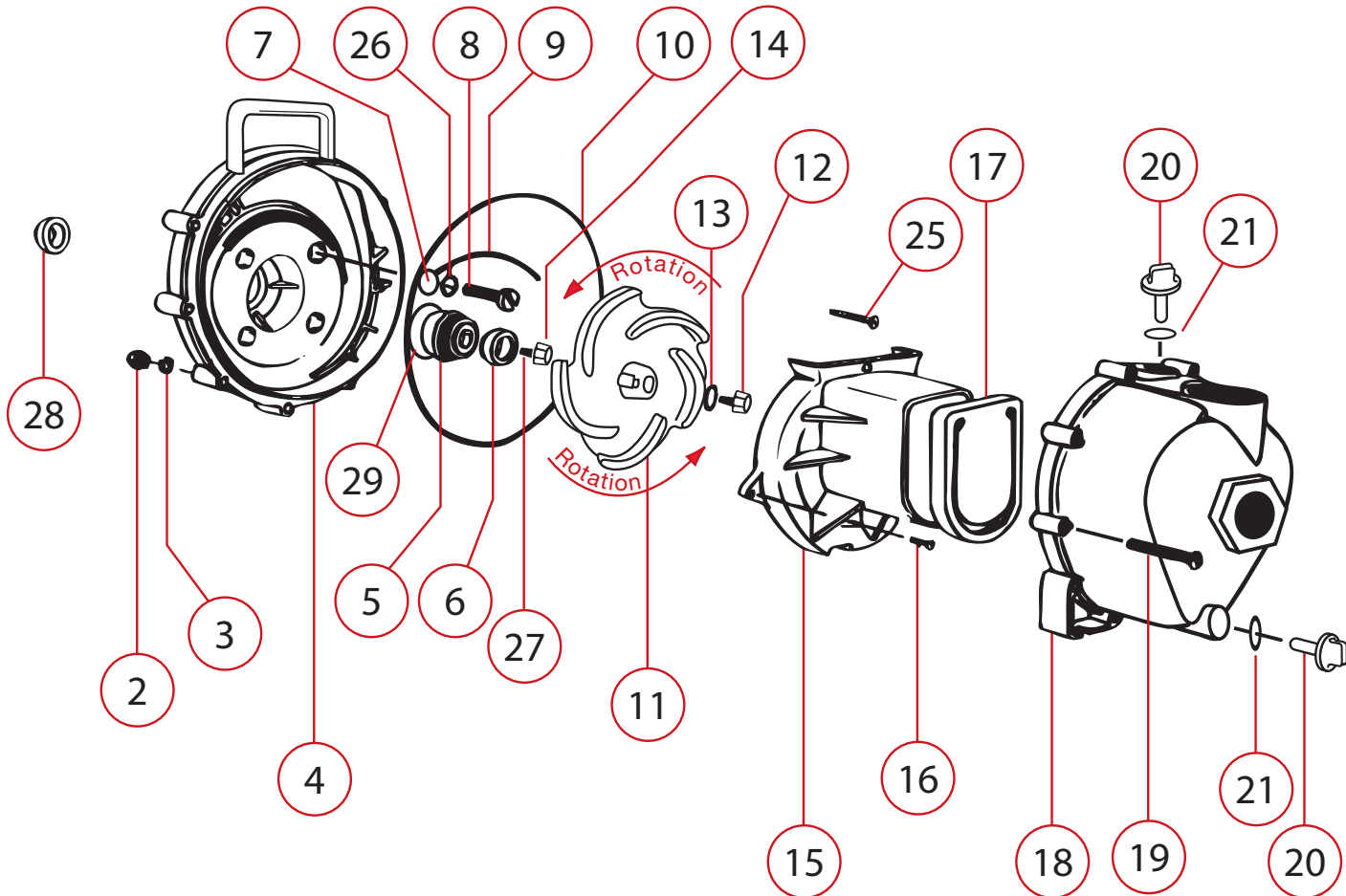


1. Maximum engine protection - pump end is separated from engine
2. Large prime plug thumb screw
3. 1½" & 2" ports
4. Check valve
5. "V" shaped body for quicker priming
6. Large drain plug thumb screw
7. High strength glass-filled polypropylene construction
8. Impeller bolt easily removable
9. High performance precision molded impellers
10. Mechanical shaft seal (available in 3 materials)
11. Large weep holes
12. All stainless steel hardware
13. Heavy duty body O-ring

POLY PUMPS GAS ENGINE PUMPS WITH EPDM RUBBER PARTS (POLY)

PART NO.	DESCRIPTION	HP
150P-3	1½" Pump x 3.5 HP Briggs	3.5
200P-3	2" Pump x 3.5 HP Briggs	3.5
200PH-5	2" Pump x 5.5 HP Honda Engine	5.5
200PH-5E	Complete Pump and 5.5 HP Honda w/Electric Start	5
200P6PRO	Gas Engine Complete Pump & 6.5 HP Briggs Stratton Pro Series Engine	6.5





REPLACEMENT PARTS FOR PUMPS MANUFACTURED BEGINNING SEPT. 1996									
ITEM	DESCRIPTION	PER PUMP	PART REF.		ITEM	DESCRIPTION	PER PUMP	PART REF.	
			1 1/2"	2"				1 1/2"	2"
2	Body Nuts SS	10	V07019	V07019	18	Poly Pump Body Assembly	1	12711A	12712A
3	Lock Washer SS	10	V07018	V07018	19	Body Screws SS	10	12720	12720
4	Poly Pump Rear Bracket	1	12703A	12703A	20	Prime / Drain Plug	2	12777	12777
5 & 6	Seal Assembly*+	1	12713	12713	21	Prime / Drain Plug O-Ring*	2	UV15163	UV15163
7	Screw Heads "O" Ring*+	4	12717	12717	25	Upper Volute Screw SS	1	12900	12900
8	Bracket Screws SS	4	12715A	12715A	26	Rear Bracket Washer SS	1	12901	12901
9	O-Ring Segment*+	1	12754	12754	27	Impeller Key	1	12902A	12902A
10	Body O-Ring*+	1	12719A	12719A	28	Poly Pump Slinger*+	1	12716	12716
11	3 Vane Poly Pump Impeller+ 3.5 h.p. 5 Vane Poly Pump Impeller+ 5.5 h.p.	1	12771A	12772	29	O-Ring for Seal Assembly*+	1	12710	12710
12	Impeller Bolt SS	1	12765A	12765A	N/S	Complete Bearing Pedestal	1	12882A	12882A
13	Impeller Bolt Gasket*+	1	12774VA	12774VA	N/S	Impeller Removal Bolt	1	12099	12099
14	Impeller Hex Nut	1	12775A	12775A		Pump Repair Kit — 3 Vane Impeller (Consists Of Items Marked With +)	1	12003A	12003A
15	Poly Pump Volute	1	12702A	12702A		Pump Repair Kit — 5 Vane Impeller (Consists Of Items Marked With +)	1	12000A	12000A
16	Volute Screws SS	2	12725	12725		Pump Seal/O-Ring Kit (Consists Of Items Marked with *)	1	12999A	12999A
17	Poly Pump Check Valve+	1	12705	12705					

See page 110 for complete pumps equipped with FKM (viton type) elastomers.
See page 158 for FKM (viton type) o-ring options.

1 1/2" & 2" Polypropylene Self-Priming Centrifugal Pump Pedestal Pump (for Electric Motors) Pump Only (for Gasoline Engines)



BEARING PEDESTAL PUMPS (FOR ELECTRIC MOTORS)

PART NO.	DESCRIPTION	HP
150PB	1 1/2" Pump/Bearing Pedestal 3/4" Shaft	N/A
200PB	2" Pump/Bearing Pedestal 3/4" Shaft 3 Vane Impeller	N/A
205PB	2" Pump/Bearing Pedestal 3/4" Shaft 5 Vane Impeller	N/A

PUMP ONLY (FOR GASOLINE MOTORS)

PART NO.	DESCRIPTION	HP
150PO	1 1/2" Pump Only - 3/4" shaft, 3 Vane Impeller	N/A
200PO	2" Pump Only - 3/4" shaft, 3 Vane Impeller	N/A
205PO	2" Pump Only - 3/4" shaft, 5 Vane Impeller	N/A

PEDESTAL PUMPS

With the addition of the Banjo bearing pedestal, the pump is easily adaptable to electric power. A flexible shaft coupling is used between motor and pump shaft. Pump and motor assembly is mounted on a metal base.

CAUTION-WARNING: Please do not run pump dry, restrict or reduce port sizes, or dead head pump. This could cause component failure to pump.

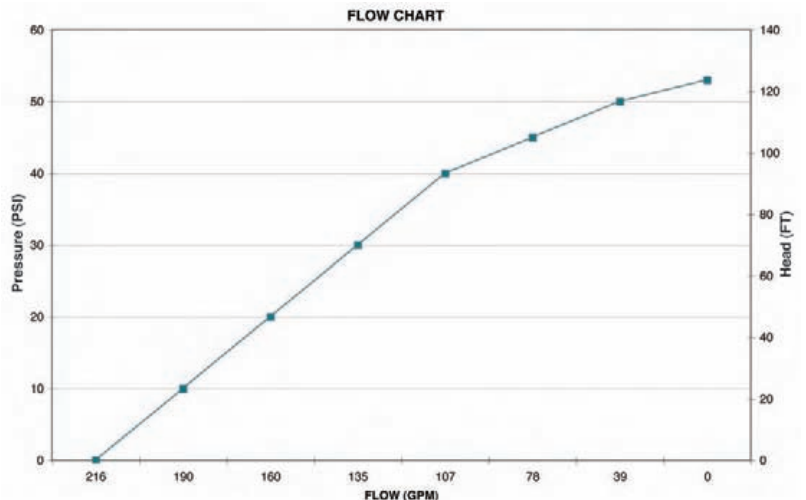
DO NOT USE WITH FLAMMABLE LIQUIDS.

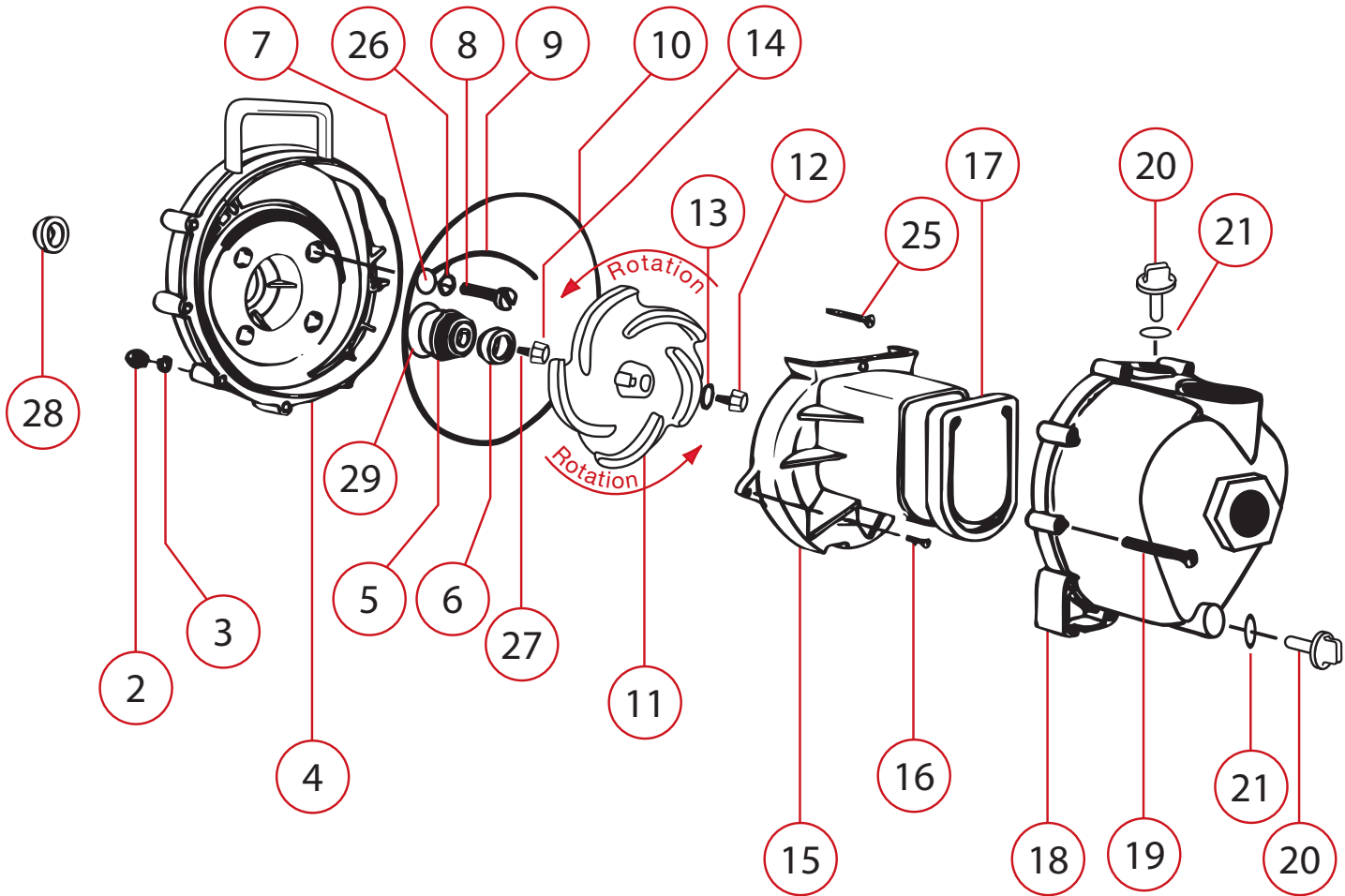
POLY PUMPS WITH FKM (viton type) RUBBER PARTS & 316 STAINLESS STEEL SEAL

PART NO.	DESCRIPTION	QTY.
150P-3-V	1 1/2" Pump - 3.5 h.p. Briggs	1
200P-3-V	2" Pump - 3.5 h.p. Briggs	1
200P6PROV	2" Pump - 6.5 h.p. Briggs Intek	1
200PH-5V	2" Pump - 5.5 h.p. Honda	1
150PB-V	1 1/2" Pump With 3/4" Bearing Pedestal Shaft	1
200PB-V	2" Pump With 3/4" Bearing Pedestal Shaft - 3 Vane Impeller	1
205PB-V	2" Pump With 3/4" Bearing Pedestal Shaft - 5 Vane Impeller	1
150PO-V	1 1/2" Pump Only	1
200PO-V	2" Pump Only - 3 Vane Impeller	1
205PO-V	2" Pump only - 5 Vane Impeller	1

BUNA PUMPS

NOTE: Pumps equipped with Buna Rubber, please use regular EPDM pump prices. Add BN to the end of each part number.





REPLACEMENT PARTS FOR PUMPS MANUFACTURED BEGINNING SEPT. 1996

ITEM	DESCRIPTION	PER PUMP	PART REF.	
			1 1/2"	2"
2	Body Nuts SS	10	V07019	V07019
3	Lock Washer SS	10	V07018	V07018
4	Poly Pump Rear Bracket	1	12703A	12703A
5 & 6	Seal Assembly*+	1	12713	12713
7	Screw Heads "O" Ring*+	4	12717	12717
8	Bracket Screws SS	4	12715A	12715A
9	O-Ring Segment*+	1	12754	12754
10	Body O-Ring*+	1	12719A	12719A
11	3 Vane Poly Pump Impeller+ 3.5 h.p. 5 Vane Poly Pump Impeller+ 5.5 h.p.	1	12771A	12772
12	Impeller Bolt SS	1	12765A	12765A
13	Impeller Bolt Gasket*+	1	12774VA	12774VA
14	Impeller Hex Nut	1	12775A	12775A
15	Poly Pump Volute	1	12702A	12702A
16	Volute Screws SS	2	12725	12725
17	Poly Pump Check Valve+	1	12705	12705

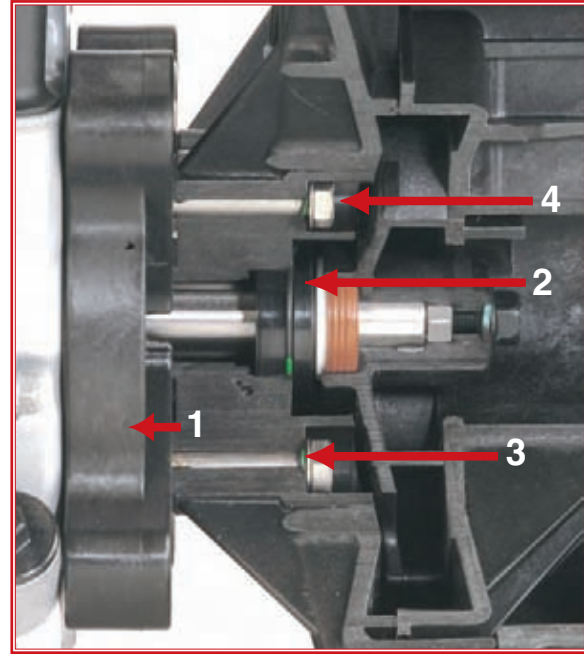
ITEM	DESCRIPTION	PER PUMP	PART REF.	
			1 1/2"	2"
18	Poly Pump Body Assembly	1	12711A	12712A
19	Body Screws SS	10	12720	12720
20	Prime / Drain Plug	2	12777	12777
21	Prime / Drain Plug O-Ring*	2	UV15163	UV15163
25	Upper Volute Screw SS	1	12900	12900
26	Rear Bracket Washer SS	1	12901	12901
27	Impeller Key	1	12902A	12902A
28	Poly Pump Slinger*+	1	12716	12716
29	O-Ring for Seal Assembly*+	1	12710	12710
N/S	Complete Bearing Pedestal	1	12882A	12882A
N/S	Impeller Removal Bolt	1	12099	12099
	Pump Repair Kit — 3 Vane Impeller (Consists Of Items Marked With +)	1	12003A	12003A
	Pump Repair Kit — 5 Vane Impeller (Consists Of Items Marked With +)	1	12000A	12000A
	Pump Seal/O-Ring Kit (Consists Of Items Marked with *)	1	12999A	12999A

See page 110 for complete pumps equipped with FKM (viton type) elastomers.
See page 158 for FKM (viton type) o-ring options.

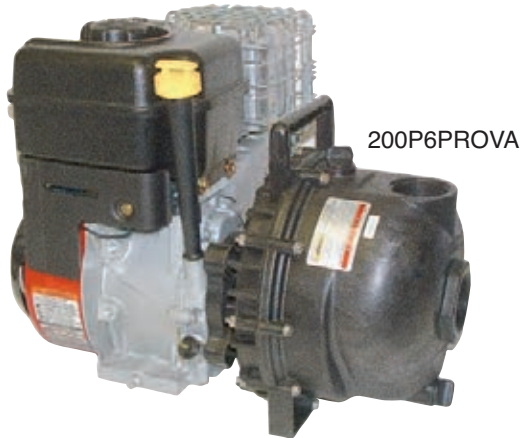
2" Polypropylene Chemical Service Pump

FEATURES

1. Additional drive unit protection with added 1" spacer for ultimate protection.
2. Special non-metallic mechanical seal designed for better chemical resistance.
3. All elastomers are FKM (viton type).
4. All internal fasteners are TFE coated stainless steel.
5. The Banjo "Super Slinger" included for even more drive unit protection (not shown).



No warranty on chemical service pumps.



POLY PUMPS CHEMICAL SERVICE PUMPS WITH FKM (VITON TYPE) RUBBER PARTS

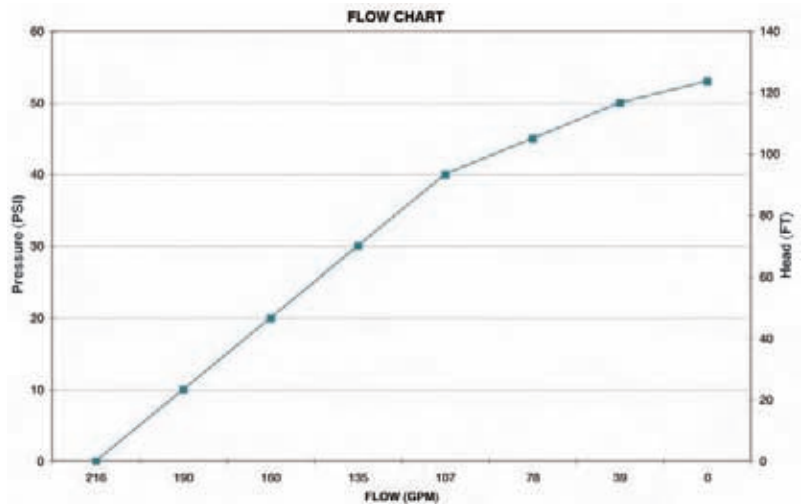
PART NO.	DESCRIPTION	HP
200P6PROVA	2" X 2" Polypropylene Chemical Service Pump w/ 6.5 HP Briggs & Stratton INTEK PRO Engine	6.5
200PB-VA	2" X 2" Polypropylene Chemical Service Pump w/ Bearing Pedestal - 3 Vane Impeller	N/A
205PB-VA	2" X 2" Polypropylene Chemical Service Pump w/ Bearing Pedestal - 5 Vane Impeller	N/A
234PPE5VA	2" X 2" Polypropylene Chemical Service Pump w/ 5.0 HP Three Phase Baldor Electric Motor	5

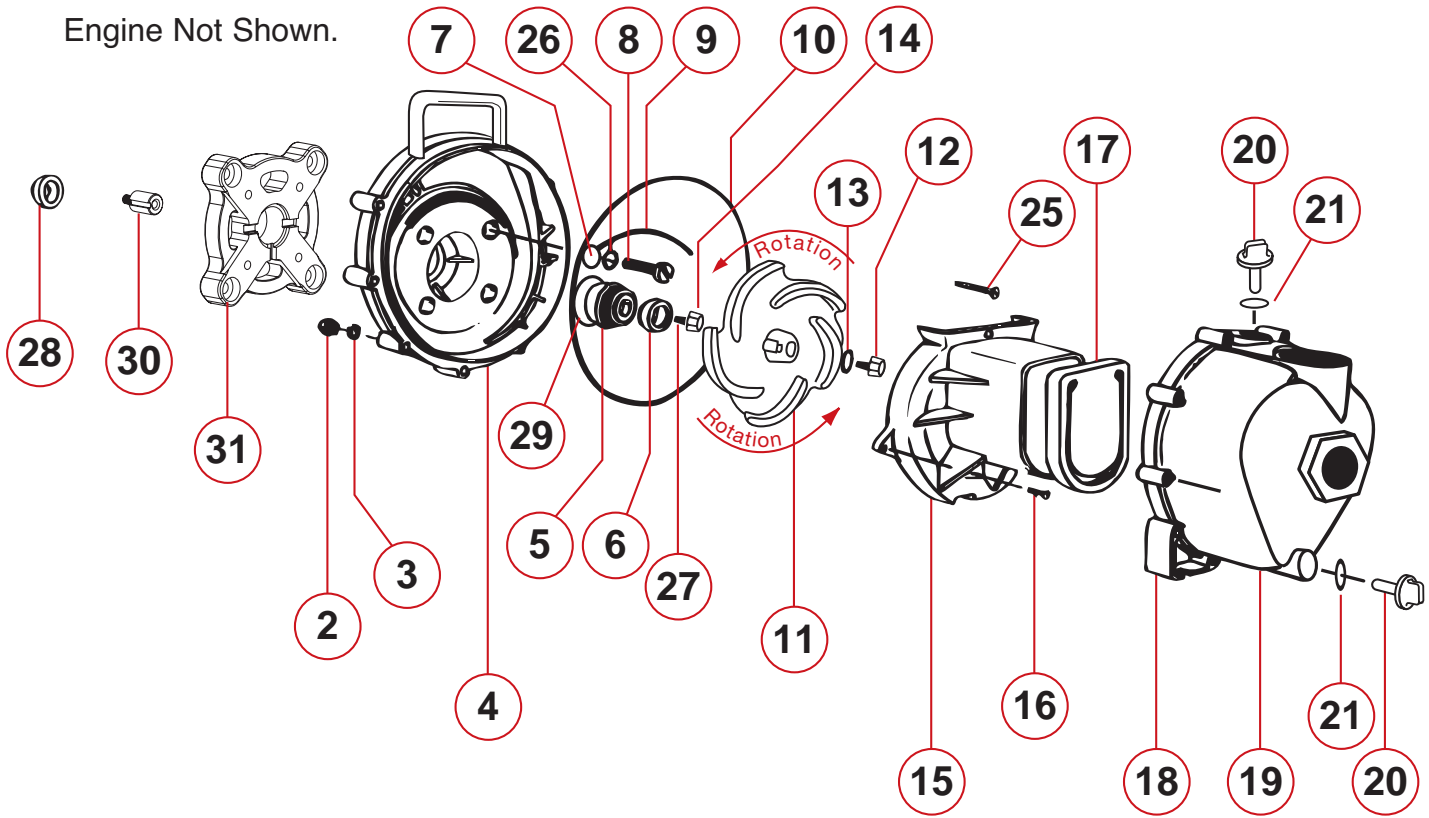


Poly Pump Engine Spacer Kit -

The 12758 spacer kit includes the poly adapter, adapter shaft, and related hardware to space the pump an additional 1" away from the motor.

NOTE: Advanced installation techniques and pump shimming required with this kit.





REPLACEMENT PARTS 2" POLYPROPYLENE CHEMICAL SERVICE PUMP

NO.	DESCRIPTION	PER	PART NO.
2	Body Nuts SS	10	V07019
3	Lock Washer SS	10	V07018
4	Poly Pump Rear Bracket	1	12703A
5 & 6	Seal Assembly+	1	12729VA
7	Screw Heads "O" Ring+	4	12717V
8	Bracket Screws SS	4	12715AT
9	O-Ring Segment+	1	12754V
10	Body O-Ring+	1	12719AV
11	5 Vane Poly Pump Impeller+	1	12772
12	Impeller Bolt SS	1	12765AT
13	Impeller Bolt Gasket+	1	12774VA
14	Impeller Hex Nut	1	12775A
15	Poly Pump Volute	1	12702A
16	Volute Screws SS	2	12725T
17	FKM (viton type) Poly Pump Check Valve+	1	12705V
18	Poly Pump Body	1	12712AV
19	Body Screws SS	10	12720

NO.	DESCRIPTION	PER	PART NO.
20	Prime / Drain Plug	2	12777
21	Prime / Drain Plug O-Ring+	2	UV15163V
25	Upper Volute Screw SS	1	12900T
26	Rear Bracket Washer SS	1	12901T
27	Impeller Key	1	12902A
28	Poly Pump Slinger+	1	12716
29	O-Ring for Seal Assembly+	1	12710V
30	1" Extension for 3/4" Engine Shaft	1	12051
31	Poly Pump Engine Spacer	1	12048
N/S	Repair Kit	1	12003VAT
N/S	Repair Kit	1	12005VAT
N/S	Complete Bearing Pedestal	1	12882A
N/S	Impeller Removal Bolt +	1	12099

All Items Shown with a "+" Included In Repair Kit

2" Polypropylene Self-Priming Centrifugal Pump Electric Motor Drive Pumps

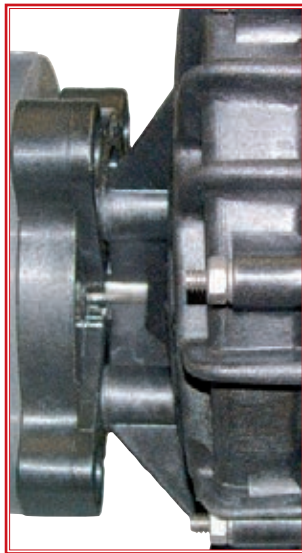
FEATURES

- Precision molded construction.
 - Lightweight.
 - Corrosion resistant.
 - Superior design.
 - Low maintenance.
- **Maximum Motor Protection!**
We have designed the new Banjo poly pump to protect the motor seal in the event of pump seal failure. We have separated the pump from the motor by 1" spacer and installed a special slinger/shaft seal that completely protects the engine from any corrosive fluids. This new slinger design is the best in the poly pump industry at protecting your motor.



CAUTION-WARNING: Please do not run pump dry, restrict or reduce port sizes, or dead head pump. This could cause component failure to pump.

DO NOT USE WITH FLAMMABLE LIQUIDS.



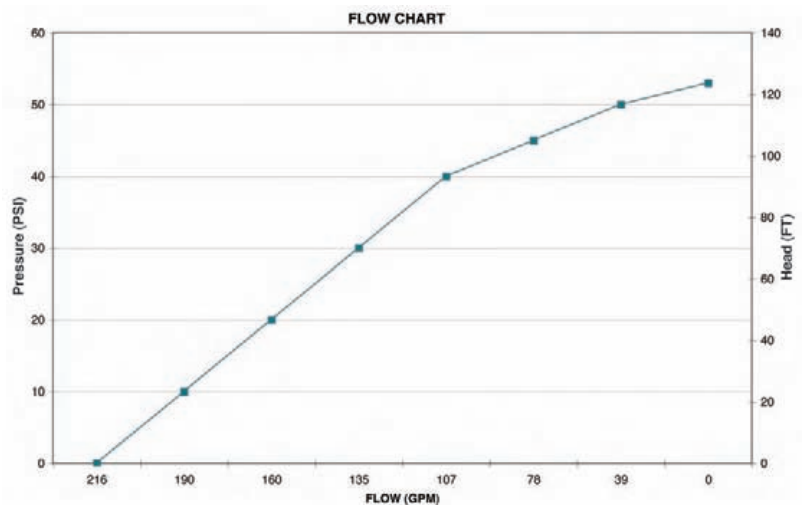
ELECTRIC MOTOR DRIVE PUMPS

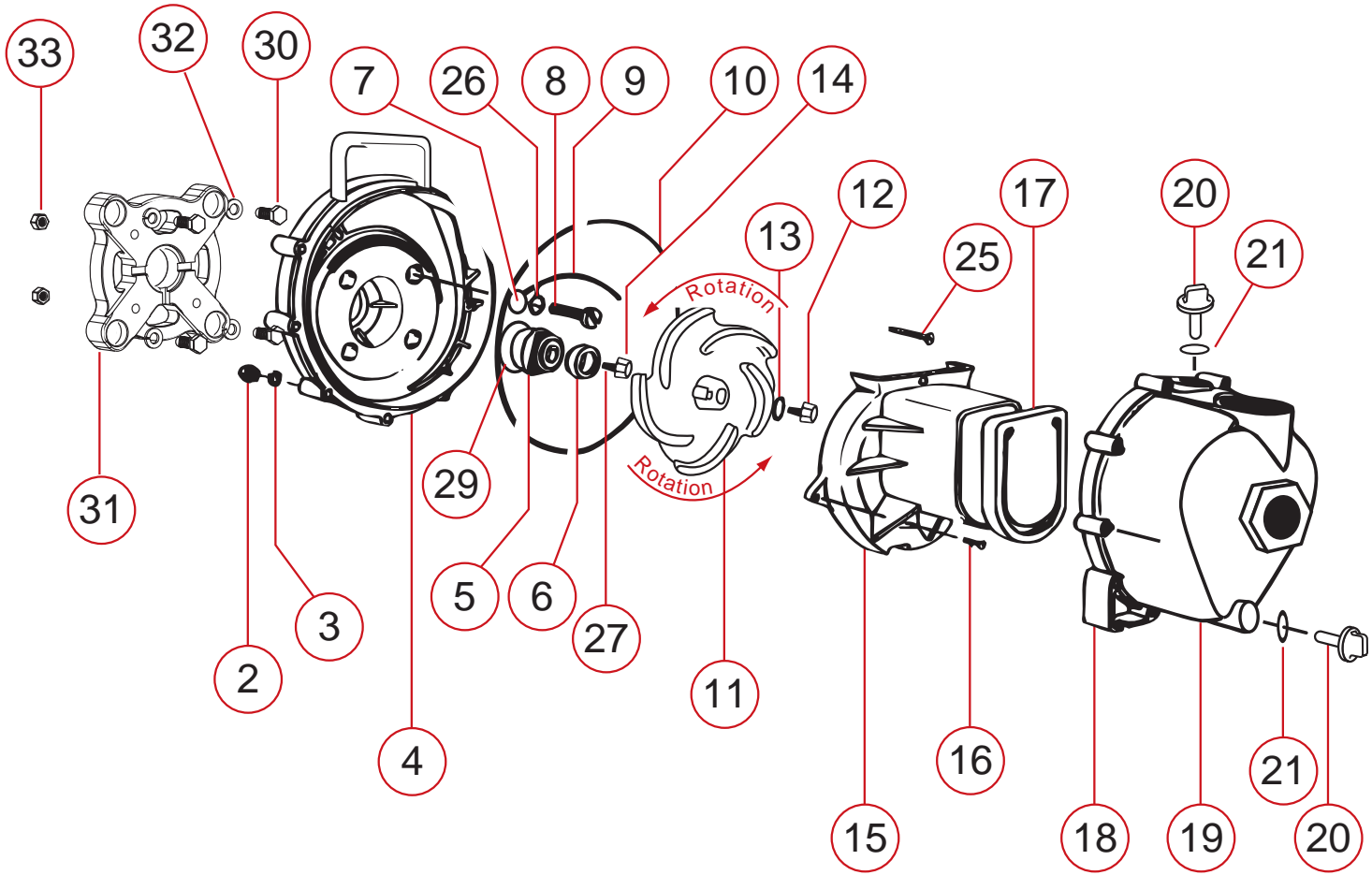
PART NO.	DESCRIPTION	HP
234PPE5V	2" X 2" Polypropylene w/ 5.0 HP Three Phase Electric Motor w/FKM (viton type) Elastomers	5
234PPE51V	2" X 2" Polypropylene w/ 5.0 HP Single Phase Electric Motor w/FKM (viton type) Elastomers	5
150PEO	1-1/2" Polypropylene Pump w/ C Face Adapter	NA
200PEO	2" Polypropylene Pump w/ C Face Adapter	NA

12756 - 56C Frame Adapter Kit

The 12756 spacer kit includes the poly adapter, adapter shaft, and related hardware to attach a Banjo Poly Pump to a 56C frame electric motor.

NOTE: Advanced installation techniques, and pump shimming required with this kit.





REPLACEMENT PARTS 2" NEW DESIGN ELECTRIC MOTOR POLY PUMP

NO.	DESCRIPTION	PER	PART NO.
2	Body Nuts SS	10	V07019
3	Lock Washer SS	10	V07018
4	Poly Pump Rear Bracket	1	12703A
5 & 6	FKM (viton type) Seal Assembly	1	12713V
7	Screw Heads "O" Ring	4	12717V
8	Stainless Steel Rear Bracket Bolts	4	BF107
9	O-Ring Segment+	1	12754V
10	Body O-Ring+	1	12719AV
11	5 Vane Poly Pump Impeller	1	12772
12	Impeller Bolt SS	1	12765A
13	Impeller Bolt Gasket	1	12774VA
14	Impeller Hex Nut	1	12775A
15	Poly Pump Volute	1	12702A
16	Volute Screws SS	2	12725
17	FKM (viton type) Poly Pump Check Valve	1	12705V
18	Poly Pump Body	1	12712AV
19	Body Screws SS	10	12720

NO.	DESCRIPTION	PER	PART NO.
20	Prime / Drain Plug	2	12777
21	Prime / Drain Plug O-Ring	2	UV15163V
25	Upper Volute Screw SS	1	12900
26	Rear Bracket Washer SS	1	12901
27	Impeller Key	1	12902A
29	O-Ring for Seal Assembly	1	12710V
30	Bolt for 56C Frame Adapter	8	17704
31	56C Frame Adapter	1	12046
32	Lock Washer For 56C Frame Adapter	8	V20018
33	Nut For 56C Frame Adapter	4	V10119
N/S	Base Plate	1	17701
N/S	Impeller Removal Bolt	1	12099

2" Polypropylene Hydraulic Centrifugal Pump Hydraulic Driven Poly 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.



HYDRAULIC MOTOR TECH DATA:

U.S. Gallons/Rev. 0.0025
Cubic Inches/Rev. 0.580
Liters/Rev. 0.0097

Max Hydraulic Pressure 2000 P.S.I.
Min Hydraulic Pressure 200 P.S.I.

Inlet Port SAE 10 (7/8-14 UNF-2B)
Outlet Port SAE 10 (7/8-14 UNF-2B)

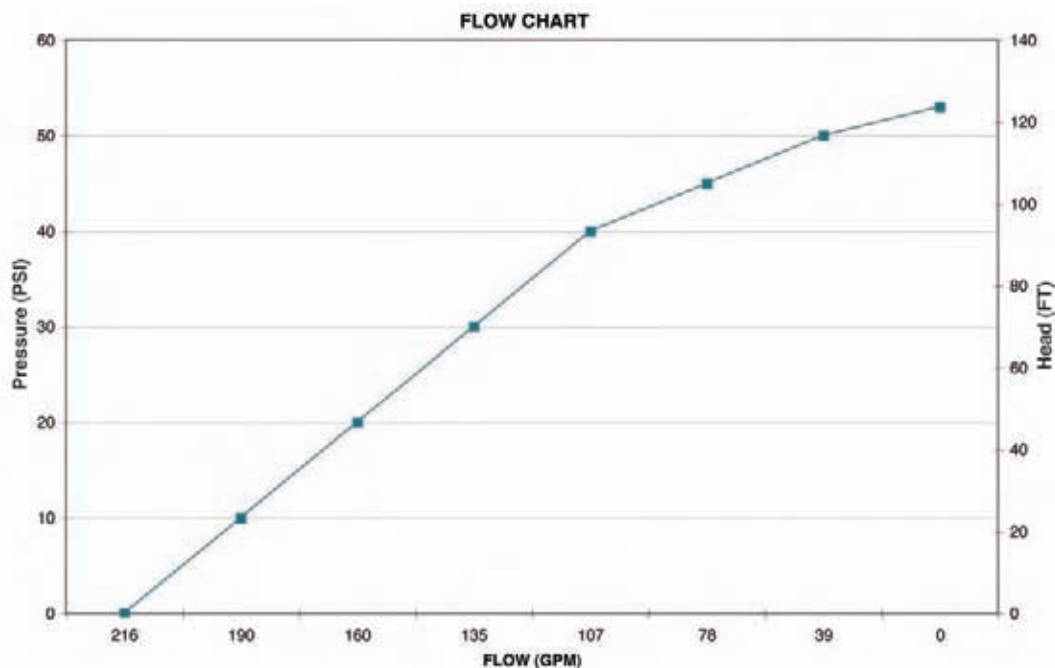
- Minimum Hydraulic GPM required to motor for Banjo Pump 6 GPM (2400 rpm)
- Maximum Hydraulic GPM required to motor for Banjo Pump 10 GPM (4000 rpm)
- Ideal GPM required to motor for Banjo Pump 13.7 GPM (3600 rpm)

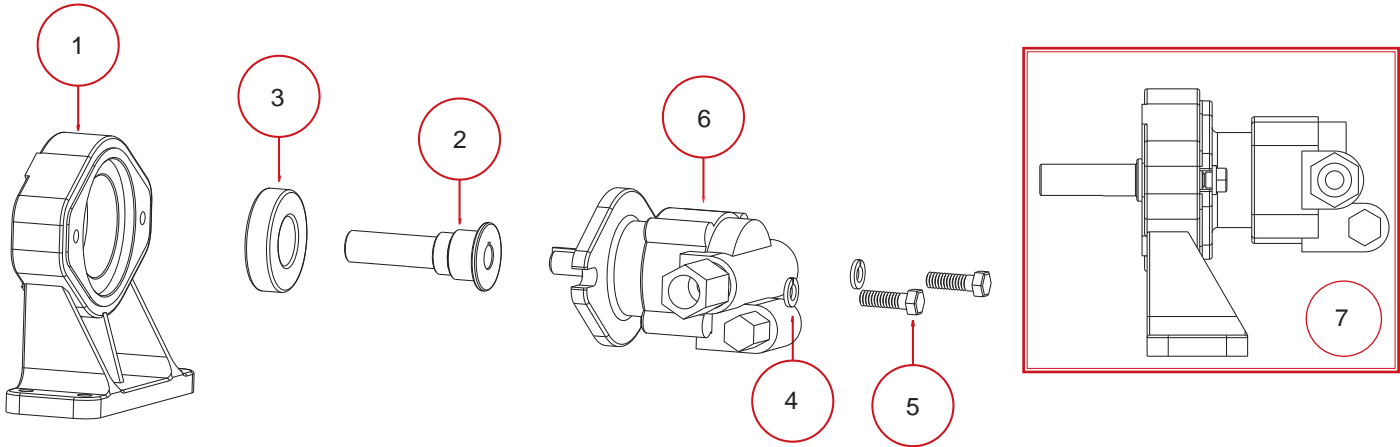
CONNECTION INFORMATION:

- Inlet ("A" port)
- Outlet ("B" port)
- Supplied check valve is to ensure proper rotation of the Banjo pump. Place check Valve in outlet port (marked "B") for proper right hand rotation.

2" HYDRAULIC DRIVEN POLYPROPYLENE PUMP

PART NO.	DESCRIPTION	HP
200PHY	2" Hydraulic Driven Polypropylene Pump	12





FOR HYDRAULIC ASSEMBLIES MANUFACTURED AFTER JANUARY 25, 2002

REPLACEMENT PARTS 2" HYDRAULIC ADAPTER				
REF. NO.	PART NO.	DESCRIPTION	QTY. PER PUMP	
1	12049B	Hydraulic Pedestal Housing	1	
2	12055B	Adapter Shaft	1	
3	17056	Bearing	1	
4	V20018	³ / ₈ " Lockwasher	2	
5	18010SS	³ / ₈ " - 16 x1.25" HHCS	2	
6	HY1013	Gresen Hydraulic Motor	1	
7	12600B	Complete Hydraulic Assembly	1	

REPLACEMENT PARTS FOR PUMPS MANUFACTURED BEGINNING SEPT. 1996					
NO.	DESCRIPTION	PER PUMP	PART REF.		
			1 1/2"	2"	
2	Body Nuts SS	10	V07019	V07019	
3	Lock Washer SS	10	V07018	V07018	
4	Poly Pump Rear Bracket	1	12703A	12703A	
5 & 6	Seal Assembly*+	1	12713	12713	
7	Screw Heads "O" Ring*+	4	12717	12717	
8	Bracket Screws SS	4	12715A	12715A	
9	O-Ring Segment*+	1	12754	12754	
10	Body O-Ring*+	1	12719A	12719A	
11	3 Vane Poly Pump Impeller+ 5 Vane Poly Pump Impeller+	1	12771A	12772	
12	Impeller Bolt SS	1	12765A	12765A	
13	Impeller Bolt Gasket*+	1	12774VA	12774VA	
14	Impeller Hex Nut	1	12775A	12775A	
15	Poly Pump Volute	1	12702A	12702A	
16	Volute Screws SS	2	12725	12725	
17	Poly Pump Check Valve+	1	12705	12705	
18	Poly Pump Body Assembly	1	12711A	12712A	
19	Body Screws SS	10	12720	12720	
20	Prime / Drain Plug	2	12777	12777	
21	Prime / Drain Plug O-Ring*	2	UV15163	UV15163	
25	Upper Volute Screw SS	1	12900	12900	
26	Rear Bracket Washer SS	1	12901	12901	
27	Impeller Key	1	12902A	12902A	
28	Poly Pump Slinger*+	1	12716	12716	
29	O-Ring for Seal Assembly*+	1	12710	12710	
N/S	Complete Bearing Pedestal	1	12882A	12882A	
N/S	Impeller Removal Bolt	1	12099	12099	
	Pump Repair Kit — 3 Vane Impeller (Consists Of Items Marked With +)	1	12003A	12003A	
	Pump Repair Kit — 5 Vane Impeller (Consists Of Items Marked With +)	1	12000A	12000A	
	Pump Seal/O-Ring Kit (Consists Of Items Marked with *)	1	12999A	12999A	

See page 110 for complete pumps equipped with FKM (viton type) elastomers.
See page 158 for FKM (viton type) o-ring options.

3" Poly Self Priming Centrifugal Pumps

PUMP FEATURES

- High strength polypropylene.
- Corrosion resistant.
- Lightweight – Portable.
- High Performance impellers.

APPLICATIONS

- Agricultural Pump.
- Contractor pump.
- Emergency use: fires & floods.



300PH-6
6.5 HP HONDA PUMP

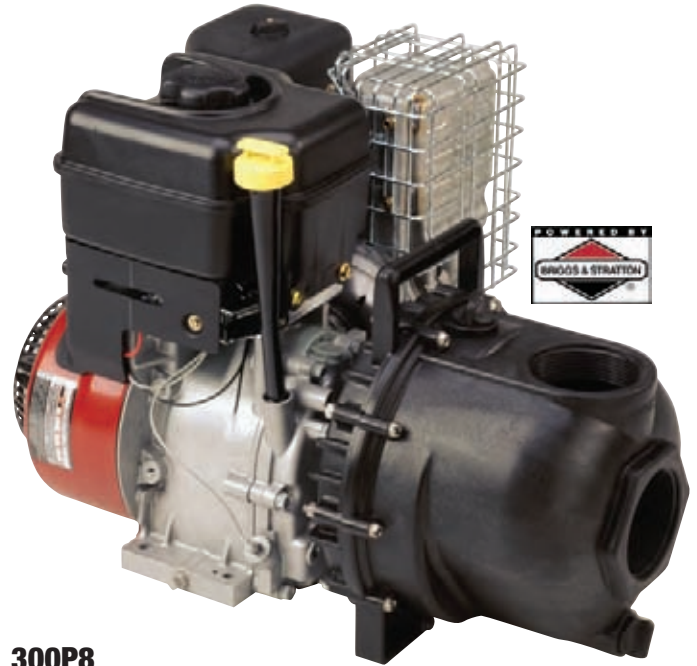


PEDESTAL PUMP 300PB & PUMP ONLY 300PO

CAUTION-WARNING: Please do not run pump dry, restrict or reduce port sizes, or dead head pump. This could cause component failure to pump.

DO NOT USE WITH FLAMMABLE LIQUIDS.

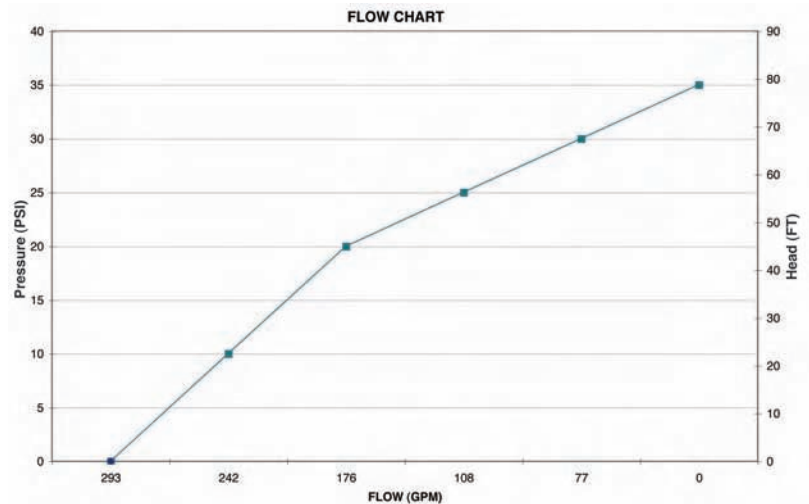
NOTE: Engine warranty service available at authorized Briggs & Stratton and Honda dealers.

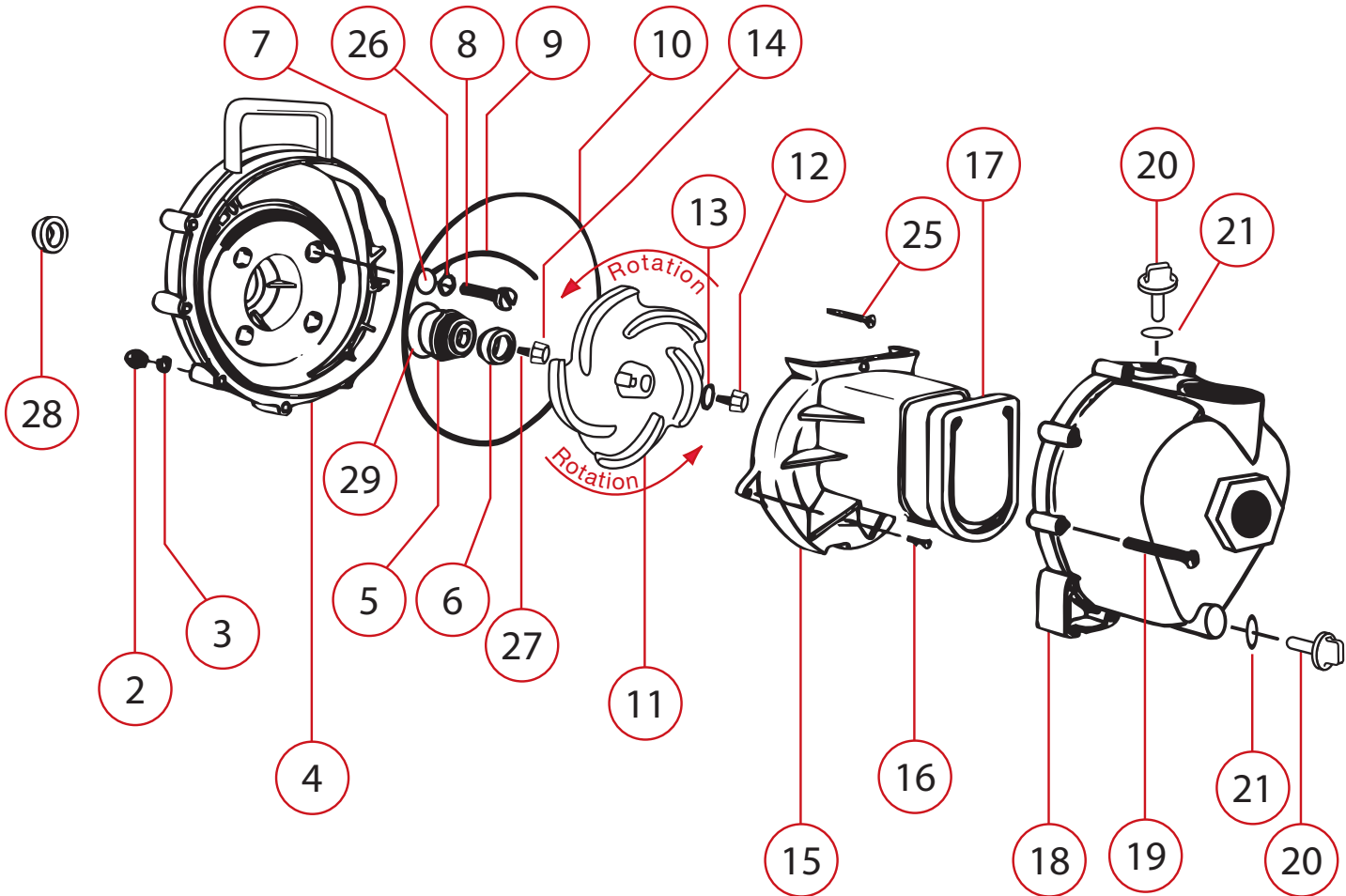


300P8
8HP BRIGGS & STRATTON INTEK PRO PUMP

3" POLYPROPYLENE PUMPS

PART NO.	DESCRIPTION	HP	
300P8PRO	3" Poly Pump complete w/ 8hp Briggs & Stratton Intek Pro	8	
300P6VAN	3" Poly Pump complete w/6hp Briggs & Stratton Vanguard	6	
300PH-6	3" Poly Pump complete w/ 6.5hp Honda	6.5	
300PB	3" Poly Pump with Bearing Pedestal - ³ / ₄ " Shaft	N/A	
300PO	3" Poly Pump Only (For Gas Engines) - ³ / ₄ " Shaft	N/A	





**REPLACEMENT PARTS 3" POLY PUMP
FOR PUMPS MANUFACTURED BEGINNING SEPT. 1996**

NO.	DESCRIPTION	PER	PART NO.
2	Body Nuts SS	10	V07019
3	Lock Washer SS	10	V07018
4	Poly Pump Rear Bracket	1	12703A
5 & 6	Seal Assembly*+	1	12713
7	Screw Heads "O" Ring*+	4	12717
8	Bracket Screws SS	4	12715A
9	O-Ring Segment*+	1	12754
10	Body O-Ring*+	1	12719A
11	4 Vane Poly Pump Impeller+	1	13771
12	Impeller Bolt ⁵ / ₁₆ x 24 x 1.12 all except 8 HP Briggs)	1	12765A
12	Impeller Bolt ³ / ₈ x 24 x 1.00 (for 8 HP Briggs)	1	13765
13	Impeller Bolt Gasket*+	1	12774VA
14	Impeller Hex Nut	1	12775A
15	Poly Pump Volute	1	13702
16	Volute Screws SS	2	12725
17	Poly Pump Check Valve+	1	12705

NO.	DESCRIPTION	PER	PART NO.
18	Poly Pump Body Assembly	1	13712
19	Body Screws SS	10	12720
20	Prime / Drain Plug	2	13777
21	Prime / Drain Plug O-Ring*	2	13778
25	Upper Volute Screw SS	1	12900
26	Rear Bracket Washer SS	1	12901
27	Impeller Key	1	12902A
28	Poly Pump Slinger*+	1	12716
29	O-Ring for Seal Assembly*+	1	12710
N/S	Complete Bearing Pedestal	1	12882A
N/S	Pump Repair Kit — 4 Vane Impeller (Consists Of Items Marked With +)	1	13000
N/S	Pump Seal/O-Ring Kit (Consists Of Items Marked with *)	1	13999

3" Polypropylene Hydraulic Centrifugal Pump Hydraulic Driven Poly Pump

GRESEN MGG2 HYDRAULIC MOTOR

FEATURES

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



3" HYDRAULIC DRIVEN POLYPROPYLENE PUMP

PART NO.	DESCRIPTION	HP
300PHY	3" Hydraulic Driven Polypropylene Pump	12

POLYETHYLENE SUCTION BASKET STRAINER



PART NO.	DESCRIPTION	QTY.
150SBS	1 1/2" Female Thread Poly Basket	1 pc.
200SBS	2" Female Thread Poly Basket	1 pc.
300SBS	3" Female Thread Poly Basket	1 pc.

HYDRAULIC MOTOR TECH DATA:

U.S. Gallons/Rev. 0.0025
Cubic Inches/Rev. 0.580
Liters/Rev. 0.0097

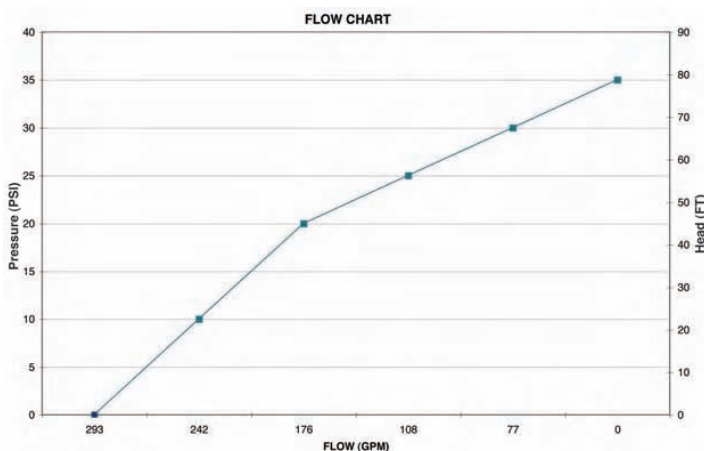
Max Hydraulic Pressure 2000 P.S.I.
Min Hydraulic Pressure 200 P.S.I.

Inlet Port SAE 10 (7/8-14 UNF-2B)
Outlet Port SAE 10 (7/8-14 UNF-2B)

- Minimum Hydraulic GPM required to motor for Banjo Pump 6 GPM (2400 rpm)
- Maximum Hydraulic GPM required to motor for Banjo Pump 10 GPM (4000 rpm)
- Ideal GPM required to motor for Banjo Pump 13.7 GPM (3600 rpm)

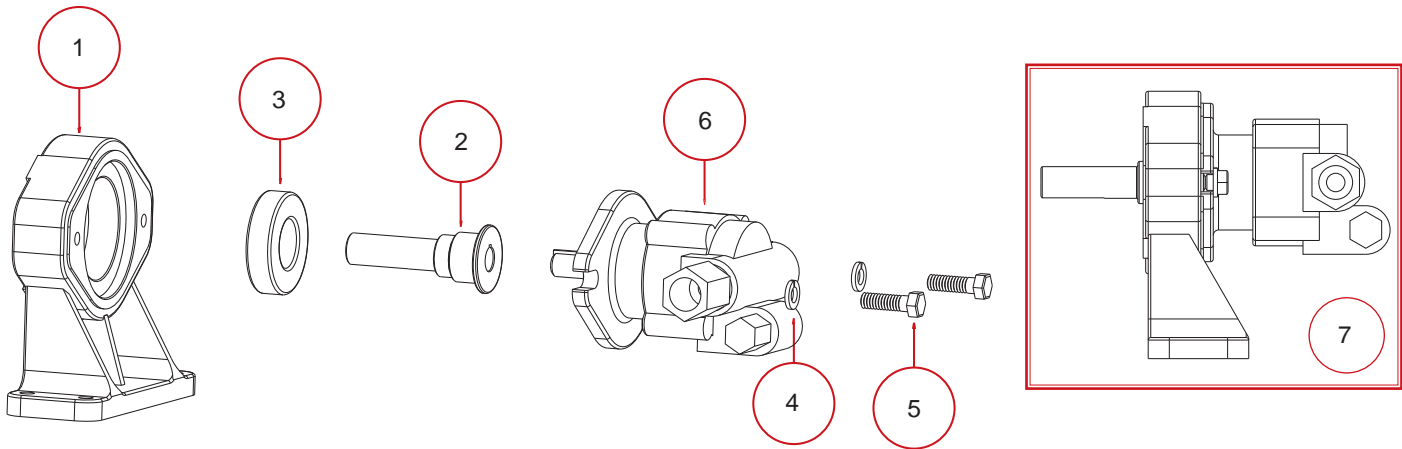
CONNECTION INFORMATION:

- Inlet ("A" port)
- Outlet ("B" port)
- Supplied check valve is to ensure proper rotation of the Banjo pump. Place check Valve in outlet port (marked "B") for proper right hand rotation.



PUMPS





FOR HYDRAULIC ASSEMBLIES MANUFACTURED AFTER JANUARY 25, 2002

REPLACEMENT PARTS 3" HYDRAULIC ADAPTER				
REF. NO.	PART NO.	DESCRIPTION	QTY. PER PUMP	
1	12049B	Hydraulic Pedestal Housing	1	
2	12055B	Adapter Shaft	1	
3	17056	Bearing	1	
4	V20018	³ / ₈ " Lockwasher	2	
5	18010SS	³ / ₈ " - 16 x1.25" HHCS	2	
6	HY1013	Gresen Hydraulic Motor	2	
7	12600B	Complete Hydraulic Assembly	1	

REPLACEMENT PARTS 3" POLY PUMP FOR PUMPS MANUFACTURED BEGINNING SEPT. 1996				
NO.	DESCRIPTION	PER	PART NO.	
2	Body Nuts SS	10	V07019	
3	Lock Washer SS	10	V07018	
4	Poly Pump Rear Bracket	1	12703A	
5 & 6	Seal Assembly*+	1	12713	
7	Screw Heads "O" Ring*+	4	12717	
8	Bracket Screws SS	4	12715A	
9	O-Ring Segment*+	1	12754	
10	Body O-Ring*+	1	12719A	
11	4 Vane Poly Pump Impeller+	1	13771	
12	Impeller Bolt ⁵ / ₁₆ x 24 x 1.12 (all except 8 HP Briggs)	1	12765A	
12	Impeller Bolt ³ / ₈ x 24 x 1.00 (for 8 HP Briggs)	1	13765	
13	Impeller Bolt Gasket*+	1	12774VA	
14	Impeller Hex Nut	1	12775A	
15	Poly Pump Volute	1	13702	
16	Volute Screws SS	2	12725	
17	Poly Pump Check Valve+	1	12705	
18	Poly Pump Body Assembly	1	13712	
19	Body Screws SS	10	12720	
20	Prime / Drain Plug	2	13777	
21	Prime / Drain Plug O-Ring*	2	13778	
25	Upper Volute Screw SS	1	12900	
26	Rear Bracket Washer SS	1	12901	
27	Impeller Key	1	12902A	
28	Poly Pump Slinger*+	1	12716	
29	O-Ring for Seal Assembly*+	1	12710	
N/S	Complete Bearing Pedestal	1	12882A	
N/S	Pump Repair Kit — 4 Vane Impeller (Consists Of Items Marked With +)	1	13000	
N/S	Pump Seal/O-Ring Kit (Consists Of Items Marked with *)	1	13999	

2" Cast Iron 222 Series Pump

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.



6.5 BRIGGS & STRATTON INTEK MOTOR FEATURES (RIGHT)

- Cast Iron Cylinder Sleeve.
- Heavy Duty Flywheel.
- Overhead Valve.
- High Oil Fill
- Oil Guard® Low Oil Sensor.
- Breather Through Air Cleaner.

HONDA ENGINE FEATURES (BELOW)

- 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.



222 SERIES C/I PUMP WITH BRIGGS & STRATTON

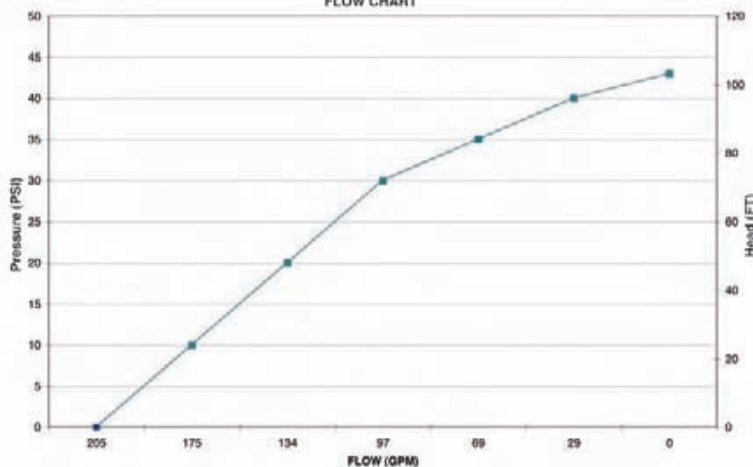
PART NO.	DESCRIPTION	QTY.	SIZE
222PI6PRO	2" CI Pump, 6.5 HP Intek OHV Pro Series Briggs & Stratton	1	2" X 2"

NOTE: Engine warranty service available at authorized Briggs & Stratton and Honda dealers.

SHIPPING: Truck shipments only.



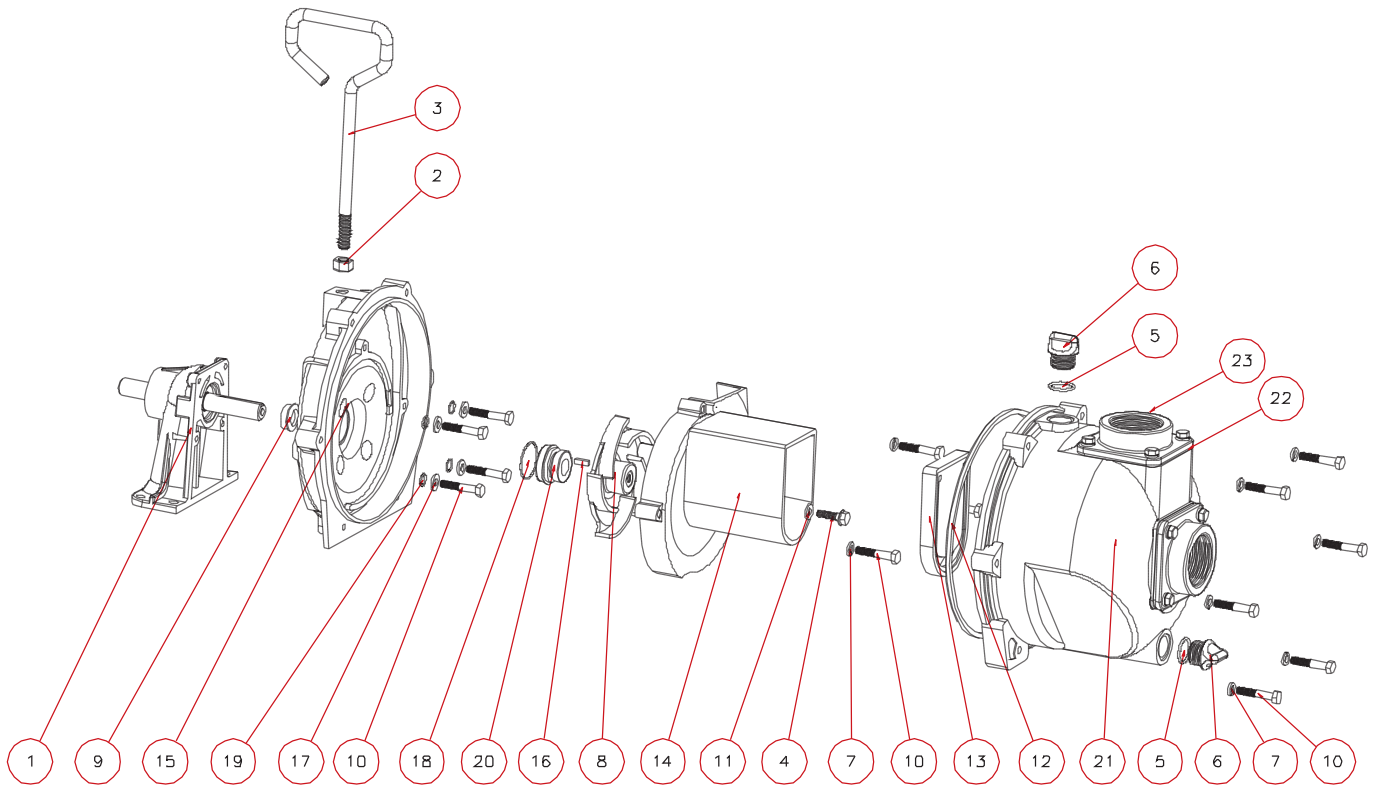
FLOW CHART



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"





REPLACEMENT PARTS 222 SERIES CAST IRON PUMPS

REF. NO.	PART NO.	DESCRIPTION	QTY. PER PUMP	REF. NO.	PART NO.	DESCRIPTION	QTY. PER PUMP
1	12882A	Bearing Pedestal Assembly	1	17	12901	⁵ / ₁₆ " Flat Washer	4
1	12600B	Hydraulic Pedestal Assembly	1	18	12710	2-029 O-Ring	1
2	17010*	¹ / ₂ " Jam Nut	1	19	12717*	2-011 O-Ring	4
3	15022	2" Pump Handle	1	20	12713V*	Seal Assembly	1
4	12765A	⁵ / ₁₆ -24 x 1.12 Impeller Bolt	1	20	12713SD	Severe Duty Seal	1
5	13778*	2-119 O-Ring	2	21	15712	Pump Body Assembly	1
6	13777	Prime/Drain Plug	2	22	17013	Flange Gasket	2
7	V10118	⁵ / ₁₆ " Lockwasher	9	23	17000	Threaded Flange	2
8	15772	5 Vane Impeller*	1	N/S	15751*	Bracket Shim	AS REQ'D
9	12716	Pump Slinger	1	N/S	17033	Z-Rails (PR)	1 PAIR
10	12715A	HHCS ⁵ / ₁₆ -24x1.75	13	N/S	17034	HHCS ⁵ / ₁₆ -18 X 1 ³ / ₄ " Zinc Plated	4
11	12774VA*	Impeller Bolt Gasket	1	N/S	V10119	⁵ / ₁₆ "-18 Hex Nut	4
12	12719A*	2-375 Body O-Ring	1	N/S	V10118	⁵ / ₁₆ " Lockwasher	4
13	12705*	Check Valve	1	N/S	15000*	REPAIR KIT	1
14	15702	Volute	1	N/S	15999	SEAL KIT (repair kit w/o impeller)	1
15	15703	Rear Bracket	1	N/S	15000V	REPAIR KIT FKM (viton type)	1
16	12902A	³ / ₁₆ sq x ⁵ / ₈ " Key*	1	N/S	15999V	SEAL KIT FKM (viton type)	1

Pump Repair Kits Contain Items Marked With Asterisk

NOTE: EPDM Gaskets, Seals and O-rings used in the following assemblies unless otherwise noted: 222PBI, 222PIHY, 222PI5, 222PIH5, 222POI. Pumps equipped with FKM (viton type) also available.

2" Cast Iron 222 Series Pump



2" CAST IRON PUMP ONLY

- Comes complete and ready for attachment to gasoline engine ($\frac{3}{4}$ " straight keyed shaft required).

2" CAST IRON PEDESTAL PUMP

- Easily adaptable to electric motor (flexible coupling not included).
- $\frac{3}{4}$ " straight keyed shaft.

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.



222 SERIES C/I PEDESTAL PUMP

PART NO.	DESCRIPTION	QTY.	SIZE
222PBI	2" Cast Iron Pump/Bearing Pedestal with $\frac{3}{4}$ " Straight Keyed Shaft	1	2" X 2"

* Recommended for use with 5 h.p. electric motor @ 3600 RPM.

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.

2" CAST IRON HYDRAULIC DRIVEN PUMP

GRESEN MGG2 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.



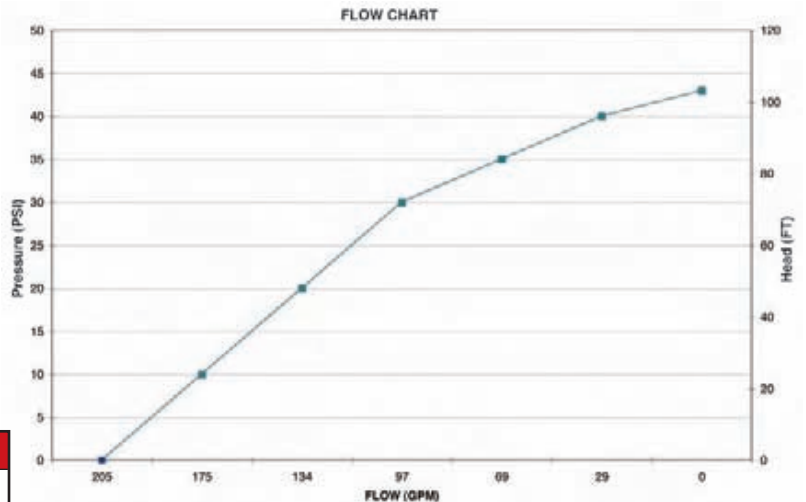
222 SERIES C/I PUMP HYDRAULIC DRIVEN

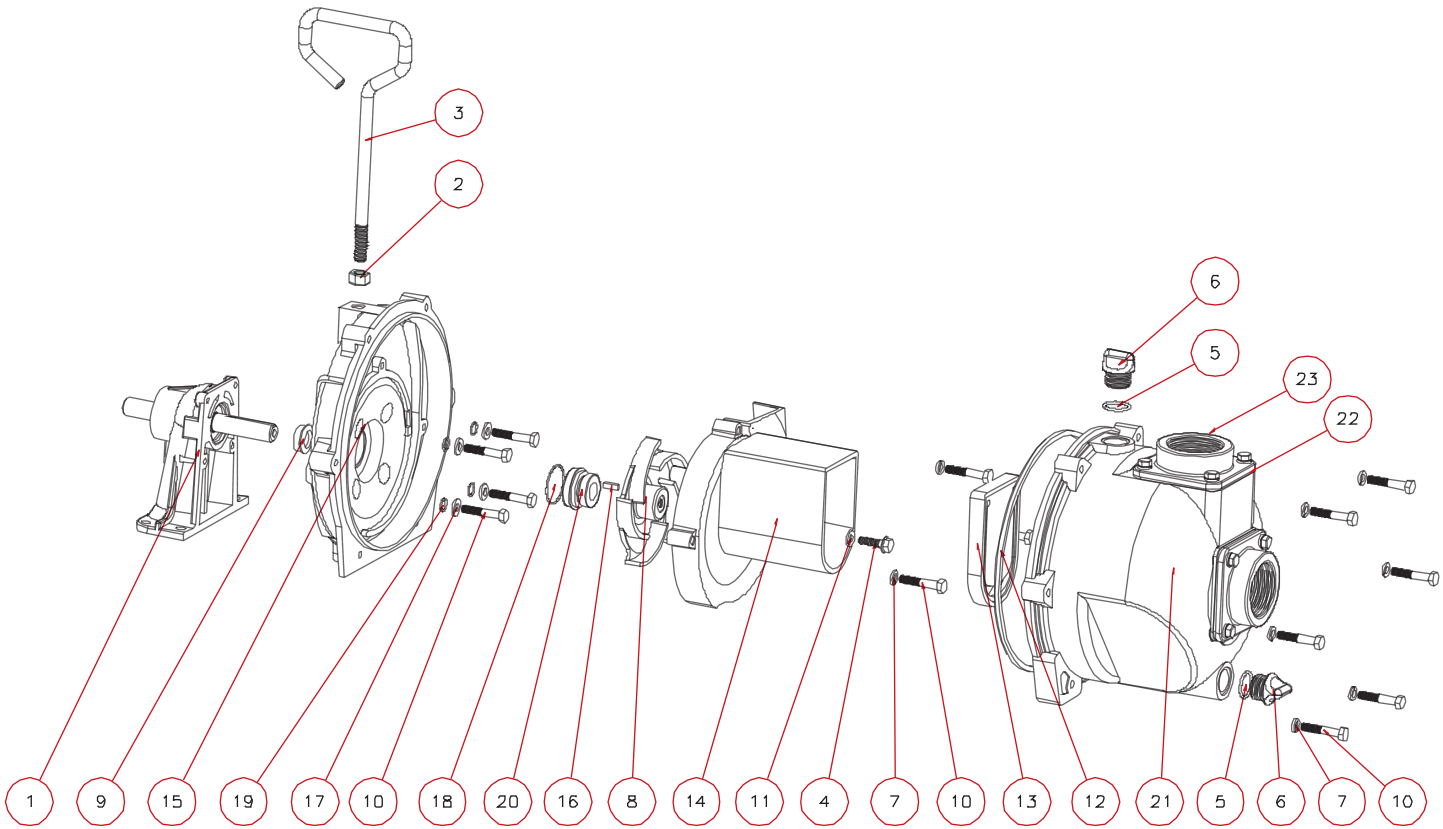
PART NO.	DESCRIPTION	QTY.	SIZE
222PIHY	2" Hydraulic Driven Cast Iron Pump	1	2" X 2"

POLYETHYLENE SUCTION BASKET STRAINER



PART NO.	DESCRIPTION	QTY.
150SBS	1 $\frac{1}{2}$ " Female Thread Poly Basket	1 pc.
200SBS	2" Female Thread Poly Basket	1 pc.
300SBS	3" Female Thread Poly Basket	1 pc.





REPLACEMENT PARTS 222 SERIES CAST IRON PUMPS									
REF. NO.	PART NO.	DESCRIPTION	QTY. PER PUMP		REF. NO.	PART NO.	DESCRIPTION	QTY. PER PUMP	
1	12882A	Bearing Pedestal Assembly	1		17	12901	⁵ / ₁₆ " Flat Washer	4	
1	12600B	Hydraulic Pedestal Assembly	1		18	12710	2-029 O-Ring	1	
2	17010*	¹ / ₂ " Jam Nut	1		19	12717*	2-011 O-Ring	4	
3	15022	2" Pump Handle	1		20	12713V*	Seal Assembly	1	
4	12765A	⁵ / ₁₆ "-24 x 1.12 Impeller Bolt	1		20	12713SD	Severe Duty Seal	1	
5	13778*	2-119 O-Ring	2		21	15712	Pump Body Assembly	1	
6	13777	Prime/Drain Plug	2		22	17013	Flange Gasket	2	
7	V10118	⁵ / ₁₆ " Lockwasher	9		23	17000	Threaded Flange	2	
8	15772	5 Vane Impeller*	1		N/S	15751*	Bracket Shim	AS REQ 'D	
9	12716	Pump Slinger	1		N/S	17033	Z-Rails (PR)	1 PAIR	
10	12715A	HHCS ⁵ / ₁₆ "-24x1.75	13		N/S	17034	HHCS ⁵ / ₁₆ "-18 X 1 ³ / ₄ " Zinc Plated	4	
11	12774VA*	Impeller Bolt Gasket	1		N/S	V10119	⁵ / ₁₆ "-18 Hex Nut	4	
12	12719A*	2-375 Body O-Ring	1		N/S	V10118	⁵ / ₁₆ " Lockwasher	4	
13	12705*	Check Valve	1		N/S	15000*	REPAIR KIT	1	
14	15702	Volute	1		N/S	15999	SEAL KIT (repair kit w/o impeller)	1	
15	15703	Rear Bracket	1		N/S	15000V	REPAIR KIT FKM (viton type)	1	
16	12902A	³ / ₁₆ sq x ⁵ / ₈ " Key*	1		N/S	15999V	SEAL KIT FKM (viton type)	1	

Pump Repair Kits Contain Items Marked With Asterisk

NOTE: EPDM Gaskets, Seals and O-rings used in the following assemblies unless otherwise noted: 222PBI, 222PIHY, 222PI5, 222PIH5, 222POI. Pumps equipped with FKM (viton type) also available.

222 Series Close Coupled C/I Electric Driven Pumps

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.
- 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.

CAUTION-WARNING: Please do not run pumps dry, restrict or reduce port sizes or dead head pumps. This could cause component failure to pump. No Flammables.

DO NOT USE WITH FLAMMABLE LIQUIDS.

NOTE: Truck shipments only. Motor warranty service available at authorized dealers.



222 SERIES CLOSE COUPLED ELECTRIC DRIVEN PUMP - CAST IRON

PART NO.	DESCRIPTION	SIZE	HP
222PIE5	2" CI Pump, 5 HP, 3450 RPM Motor, 3 Phase	2" x 2"	5
222PIE51	2" CI Pump, 5 HP, 3450 RPM Motor, Single Phase	2" x 2"	5

COMPLETE PUMP WITH STANDARD-E (EFFICIENT) INDUSTRIAL ELECTRIC MOTORS!

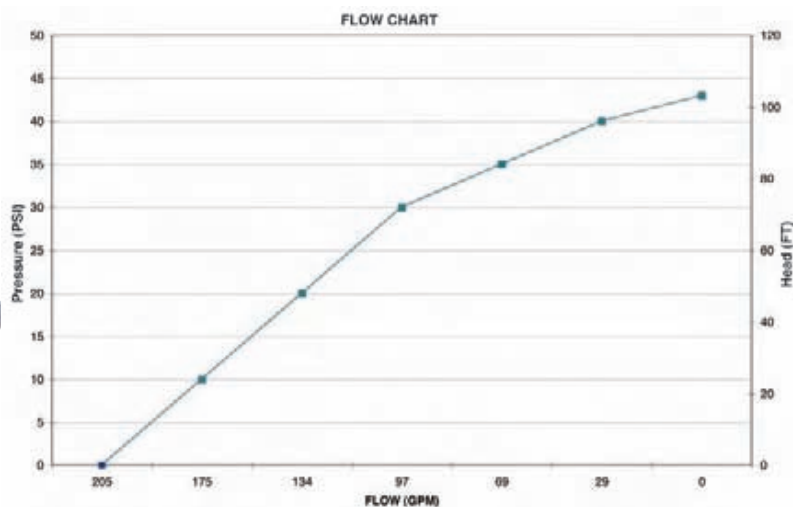
MOTOR FEATURES:

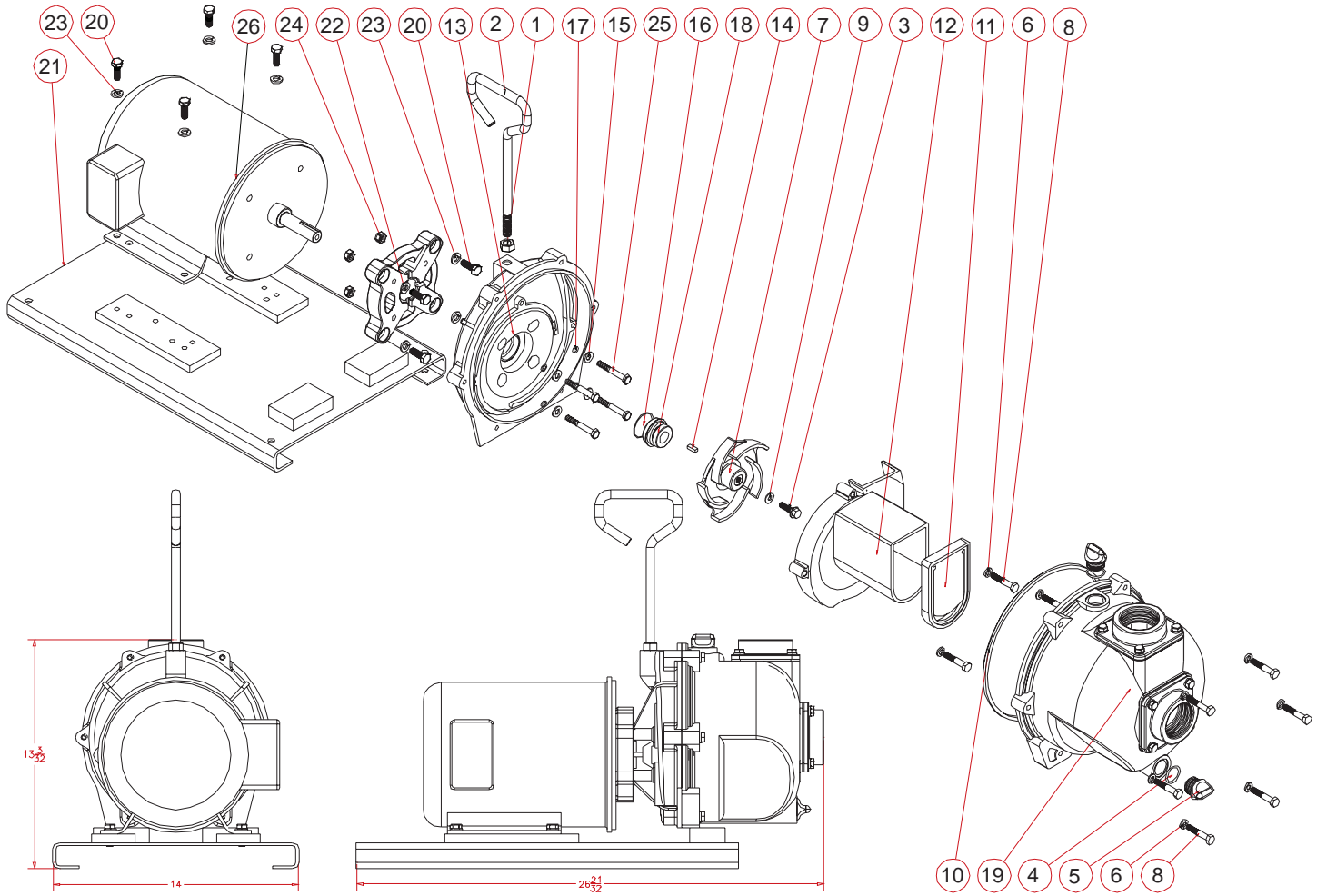
- Pressure cast aluminum end plates with ribbed design for rigidity.
- Ball bearings, locked drive end bearing.
- Heavy gauge steel frame.
- Motors wound with inverter spike resistance magnet wire.
- Mounted complete on Heavy Duty Cast Iron Base Plate.
- 230 V Motors.



POLYETHYLENE SUCTION BASKET STRAINER

PART NO.	DESCRIPTION	QTY.
150SBS	1 1/2" Female Thread Poly Basket	1 pc.
200SBS	2" Female Thread Poly Basket	1 pc.
300SBS	3" Female Thread Poly Basket	1 pc.





REPLACEMENT PARTS 222 SERIES CLOSE COUPLED ELECTRIC DRIVEN PUMPS

REF. NO.	PART NO.	DESCRIPTION	QTY. PER PUMP
1	17010*	1/2" Jam Nut	1
2	15022	2" Pump Handle	1
3	12765A	5/16"-24x1.125 Impeller Bolt	1
4	13778*	2-119 O-Ring	2
5	13777	Prime/Drain Plug	2
6	V10118	5/16" Lockwasher	9
7	15772	5 Vane Impeller*	1
8	12715A	HHCS 5/16-24x1.75	13
9	12774VA*	Impeller Bolt Gasket	1
10	12719A*	2-375 Body O-Ring	1
11	12705*	Check Valve	1
12	15702	Volute	1
13	15703	Rear Bracket	1
14	12902A	3/16" Square X 5/8" Key	1
15	12901	5/16" Flat Washer	4
16	12710	2-029 O-Ring	1

REF. NO.	PART NO.	DESCRIPTION	QTY. PER PUMP
17	12717*	2-011 O-Ring	4
18	12713V*	Seal Assembly	1
18	12713SD	Severe Duty Seal	1
19	15712	Pump Body Assembly	1
20	17704	3/16" - 16 X 1.25 HHCS Bolt	8
21	17701	C-Faced Base Plate	1
22	12046	56C Adapter	1
23	V20018	3/8" Lockwasher	8
24	V20019	3/8" 18 Hex Nut	4
25	BF107	5/16" - 18 X 2 1/4" HHCS Bolt	4
26	BEM5-182CZ	5 HP 3450 RPM Three Phase MTR	1
26	BEM51-182CZ	5 HP 3450 RPM Single Phase MTR	1
N/S	15000*	REPAIR KIT	1
N/S	15999	SEAL KIT(repair kit without impeller)	1
N/S	15000V	REPAIR KIT FKm (viton type)	1
N/S	15999V	SEAL KIT FKm (viton type)	1

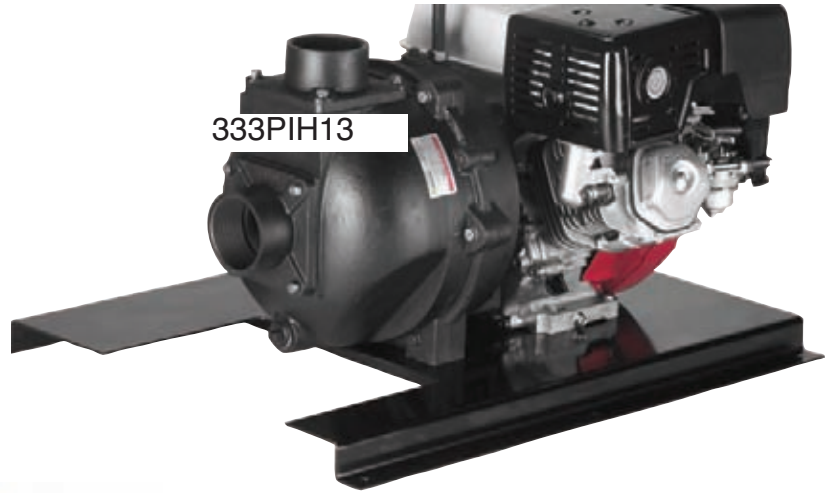
Valve Repair Kits Contain Items Marked With Asterisk

NOTE: EPDM Gaskets, Seals and O-rings used in the following assemblies unless otherwise noted: 222PBI, 222PIHY, 222PI5, 222PIH5, 222POI. Pumps equipped with FKM (viton type) also available.

333 Series 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 NO.	DESCRIPTION	QTY.	SIZE	
333PI16	3" Cast Iron Pump with 16 HP Briggs Vanguard Engine Electric Start with pull rope	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 Electric Start with pull rope	1	3" X 3"	

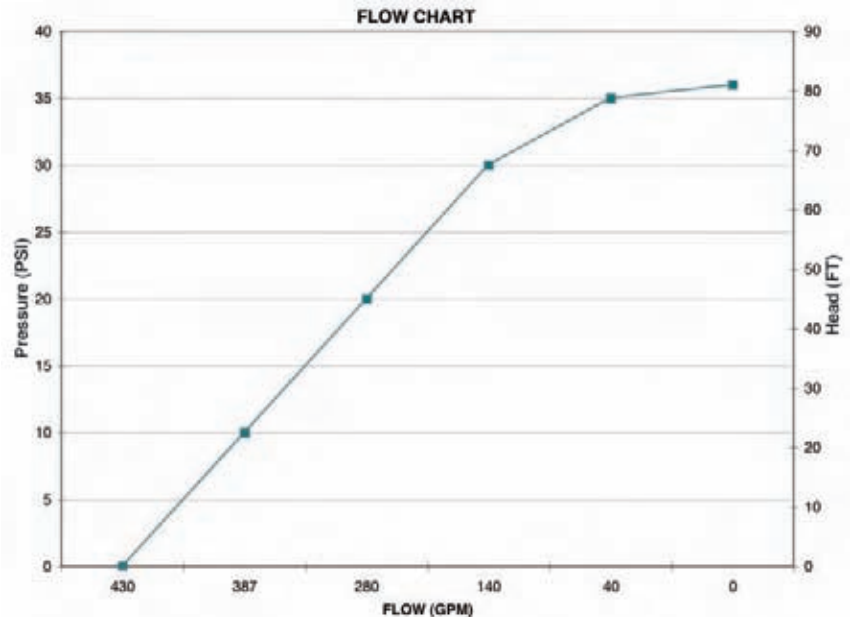
Graphite Loaded Silicon Carbide Seal for Longer Seal Life.



Better Run Dry Capabilities!

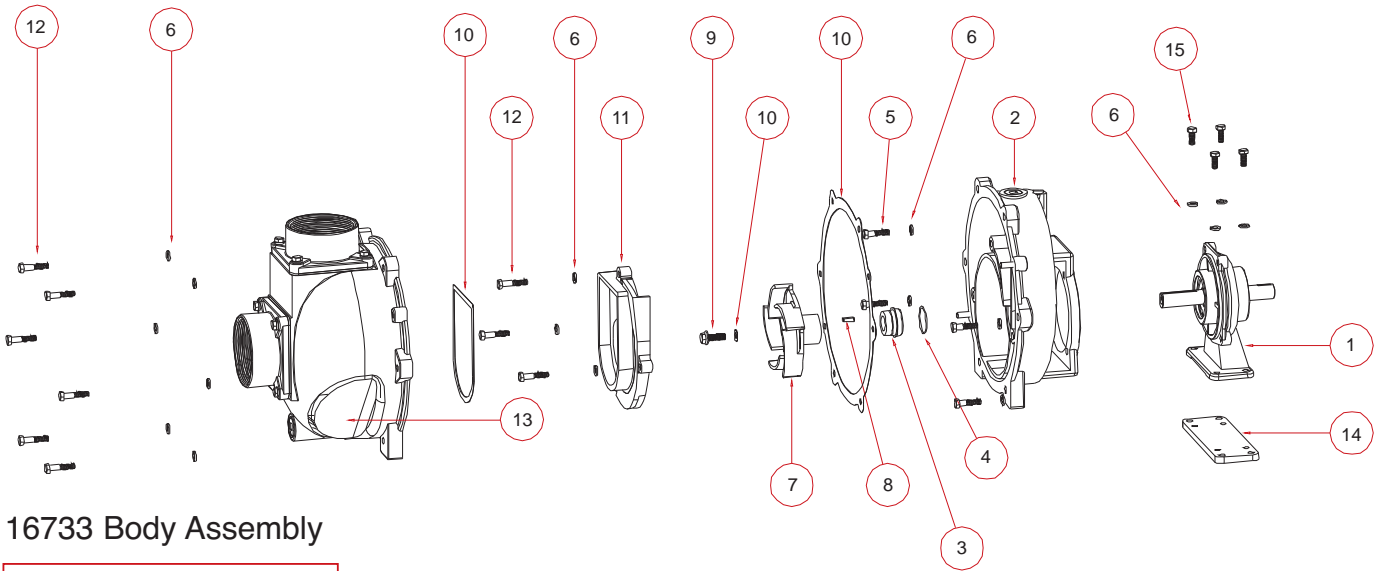
NOTE: Engine warranty service available at authorized Honda and Briggs & Stratton dealers.

SHIPPING: Truck shipments only.

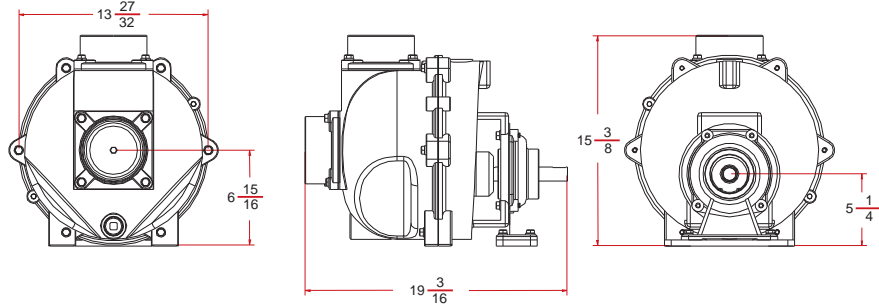
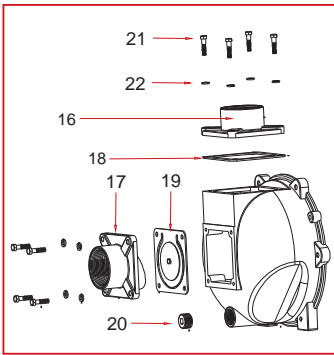


PUMPS





16733 Body Assembly



REPLACEMENT PARTS – 333PIH13 - 333PI16 - 333PBI

ITEM	PART NO.	DESCRIPTION	333PIH13	333PI16	333PBI	QTY.
N/S	16099*	Impeller Removal Bolt	~	~	~	1
1	18500	Bearing Pedestal	~	~	~	1
2	16704	3" Hi. Vol. Rear Bracket, 500 gpm	~	~	~	1
3	16713*	4" Pump Mechanical Seal	~	~	~	1
4	16710*	O-Ring F/16713 Mechanical Seal	~	~	~	1
5	17704	Cap Scr. 3/8" - 16 x 1.25" Pedestal. Mt. SS	~	~	~	4
6	V20018	3/8" SS Lock Washer	~	~	~	17
7	16773*	3" Impeller for 333PBI & 333PI16	~	~	~	1
7	16774*	3" Impeller for 333PIH13 & 333POI	~	~	~	1
8	16901*	1/4" Sq. 3/4" Key Stock	~	~	~	1
9	16765*	Impeller Bolt, 7/16"-20x1.25 HFS	~	~	~	1
10	16019*	Gasket Set	~	~	~	1
11	16702	4" Pump Volute	~	~	~	1
12	V20011SS	3/8" - 16 x 1.75" SS Bolt	~	~	~	9
13	16733	333 Pump Body, Assembled	~	~	~	1
14	18511	Adapter Plate f/18501 444 Pump	~	~	~	1
15	18512	3/8" - 16 x 0.875" HHCS, SS	~	~	~	4
N/S	16751*	4" Pump Bracket Shim Set (as required)	~	~	~	1
N/S	16752*	444 Pump Impeller Shim (as required)	~	~	~	1
N/S	18033	Handle 5/8"-11 Thread.	~	~	~	4
N/S	18034	Nut, Jam 5/8"-11 Thread. SS	~	~	~	1
16	16001	3" Pump Outlet Flange	~	~	~	1
17	16003	3" Pump Inlet Flange	~	~	~	1
18	16706	Outlet Gasket	~	~	~	1
19	16011	Inlet Gasket with Check	~	~	~	1
20	18002	1" NPT Plug	~	~	~	1
21	18027	3/8" - 16 x 1.50" HHCS	~	~	~	8
22	V20018	3/8" SS Lock Washer	~	~	~	8
N/S	16101	333 Pump Repair Kit (Note: Kit part numbers marked with a "a")	~	~	~	1

444 Series 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.



444 SERIES CAST IRON PUMPS

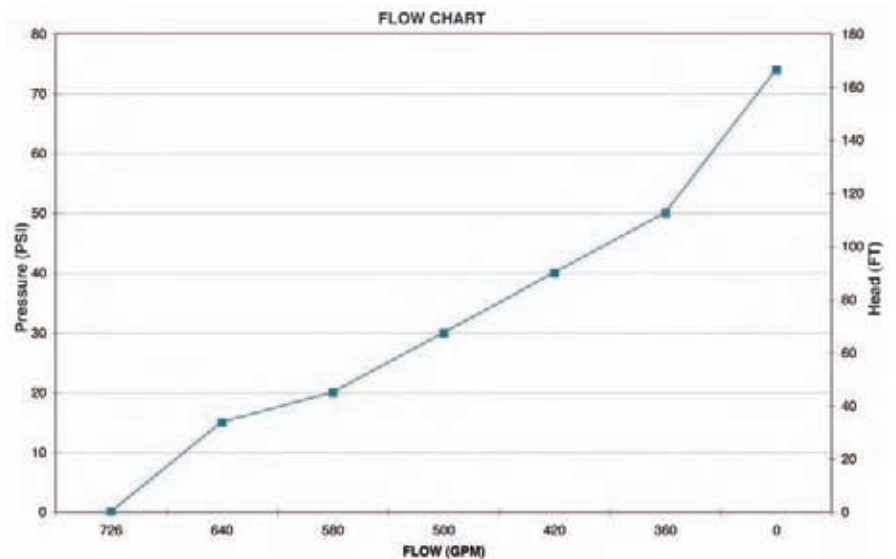
PART NO.	DESCRIPTION	SIZE	QTY.
444PIH24	4" Cast Iron Pump with 24 HP Honda Engine	4" X 4"	1
444PBI	4" Cast Iron Pump/Bearing Pedestal with a 1" Shaft	4" X 4"	1
433PBI	4" Cast Iron Pump with 4" Inlet 3" Outlet/Bearing Pedestal with a 1" Shaft	4" X 3"	1

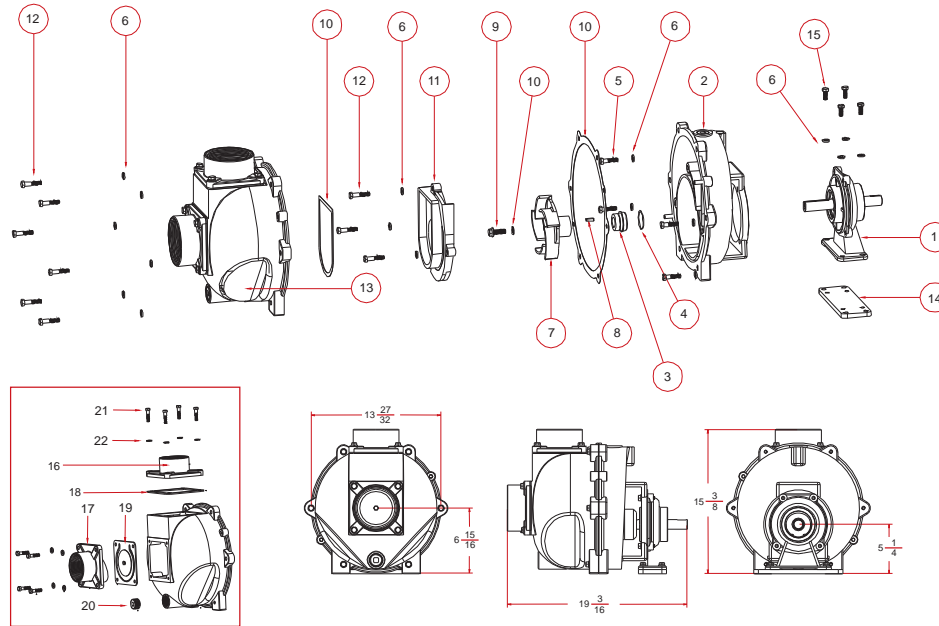
Graphite Loaded Silicon Carbide Seal for Longer Seal Life.



Better Run Dry Capabilities!

NOTE: Engine warranty service available at authorized Honda dealers.
SHIPPING: Truck shipments only.





REPLACEMENT PARTS – 444PI18 - 444PBI - 433PBI - 444PIH24

ITEM	PART NO.	DESCRIPTION	444PI18	444PBI	433PBI	444PIH24	QTY.
N/S	16099*+	Impeller Removal Bolt	~	~	~	~	1
1	18500	Bearing Pedestal	~	~	~	~	1
2	16703	4 Rear Pump Bracket	~	~	~	~	1
2	16704	3" Hi. Vol. Rear Bracket, 500 gpm	~	~	~	~	1
2	16707	4" 24 HP Rear Bracket, Assembled	~	~	~	~	1
3	16713*+	4" Pump Mechanical Seal for 444PBI & 433PBI	~	~	~	~	1
3	18435	4" Pump Mechanical Seal for 444PIH24	~	~	~	~	1
4	16710*+	O-Ring F/16713 Mechanical Seal	~	~	~	~	1
5	17704	Cap Scr. 3/8" - 16 x 1.25" Pedestal. Mt. SS	~	~	~	~	4
6	V20018	3/8" SS Lock Washer	~	~	~	~	17
7	16772+	4" 5 Vane Impeller	~	~	~	~	1
7	16773*	3" Impeller for 433 Pump	~	~	~	~	1
7	16775	4" 24 HP Pump Impeller, 6 vane	~	~	~	~	1
8	16901*+	1/4" Sq. 3/4" Key Stock	~	~	~	~	1
9	16765*+	Impeller Bolt, 7/16"-20x1.25 HFS	~	~	~	~	1
10	16019*+	Gasket Set	~	~	~	~	1
11	16702	4" Pump Volute	~	~	~	~	1
12	V20011SS	3/8" - 16 x 1.75" SS Bolt	~	~	~	~	9
13	16712	4" Hi Vol. Pump Body, Assembled	~	~	~	~	1
13	16743	3" Hi Vol. Pump Body, Assembled	~	~	~	~	1
14	18511	Adapter Plate f/18501 444 Pump	~	~	~	~	1
15	18512	3/8" - 16 x 0.875" HHCS, SS	~	~	~	~	4
N/S	16751*+	4" Pump Bracket Shim Set (as required)	~	~	~	~	1
N/S	16752*+	444 Pump Impeller Shim (as required)	~	~	~	~	1
N/S	18033	Handle 5/8"-11 Thread.	~	~	~	~	4
N/S	18034	Nut, Jam 5/8"-11 Thread. SS	~	~	~	~	1
16	16000	4" Pump Outlet Flange	~	~	~	~	1
16	16001	3" Pump Outlet Flange	~	~	~	~	1
17	16002	4" Pump Inlet Flange	~	~	~	~	1
18	16706	Inlet Gasket with Check	~	~	~	~	1
19	16011	Outlet Gasket	~	~	~	~	1
20	18002	1" NPT Plug	~	~	~	~	1
21	18027	3/8" - 16 x 1.50" HHCS	~	~	~	~	8
22	V20018	3/8" SS Lock Washer	~	~	~	~	8
N/S	16101	433 Pump Repair Kit (Note: Kit part numbers marked with a "**")	~	~	~	~	1
N/S	16100	444 Pump Repair Kit (Note: Kit part numbers marked with a "+")	~	~	~	~	1

2" 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 FKM (viton type) rubber.
- Replaceable inlet and outlet flanges.
- Dynamically balanced impeller.

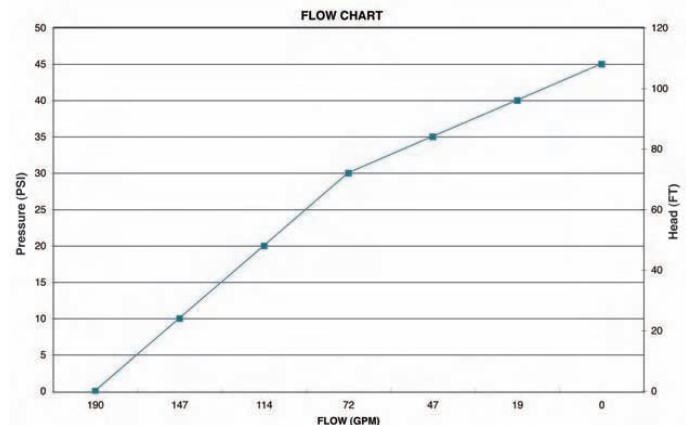


2" SELF PRIMING CENTRIFUGAL PUMPS W/BRIGGS & STRATTON

PART NO.	DESCRIPTION	SIZE	HP
150PI-3	1 1/2" x 1 1/2" Cast Iron Pump x 3.5 HP Briggs	1 1/2" x 1 1/2"	3.5
200PI-3	2" x 2" Cast Iron Pump x 3.5 HP Briggs	2" x 2"	3.5
200PI6PRO*	2" x 2" Cast Iron Pump x 6.5 HP Briggs Pro Series	2" x 2"	6

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.

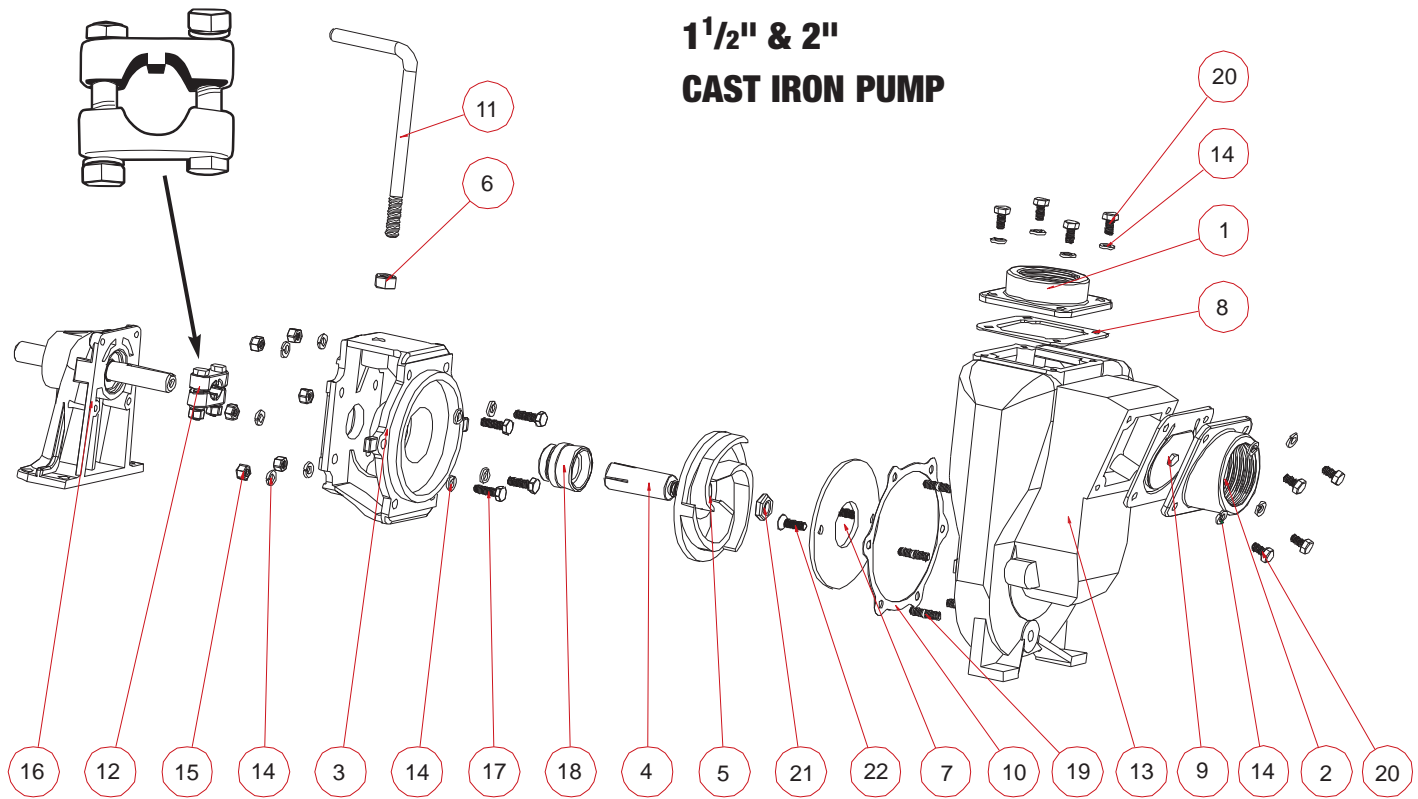


2" SELF PRIMING CENTRIFUGAL PUMPS W/HONDA ENGINE

PART NO.	DESCRIPTION	SIZE	HP
200PIH-5*	2" x 2" Cast Iron Pump x 5.5 HP Honda Engine	2" x 2"	5.5
200PIH5E*	2" x 2" Cast Iron Pump x 5.5 HP Honda Engine with Electric Start	2" x 2"	5.5

NOTE: Engine warranty service available at authorized Briggs & Stratton and Honda dealers.

SHIPPING: Pumps with an "*" behind the part number are truck shipments only.



1 1/2" & 2" CAST IRON PUMP

REPLACEMENT PARTS 1 1/2" & 2" CAST IRON PUMPS							
REF. NO.	PART NO.	DESCRIPTION	QTY. PER PUMP	REF. NO.	PART NO.	DESCRIPTION	QTY. PER PUMP
1	17000	Flange-Outlet 2"	1 (2" Only)	N/S	12882R	Housing For Bearing Pedestal	1
1	17001	Flange-Outlet 1 1/2"	1 (1 1/2" Only)	N/S	12883R	Bearing Pedestal 3/4" Shaft Only	1
2	17002	Flange-Inlet 20° 2"	1 (2" Only)	N/S	12884	Internal Retaining Clip for Pedestal	1
2	17003	Flange-Inlet 20° 1 1/2"	1 (1 1/2" Only)	N/S	12883B	Pedestal Bearing	2
3	17004	Adapter-Gas Engine	1	16	12882A	Complete Pedestal Assy.(3/4" Shaft)	1
3	17046	C-Flange Adapter	1	17	17040	Cap Screw 5/16" - 24 x 1.00" NF	4
4	17005	Sleeve Drive 5/8" for electric motor	1 (1 Per Pump)	18	17028	Seal Assy. (EPDM)	1 (1 Per Pump)
4	*17006	Sleeve Drive 3/4" for gas engine	1 (1 Per Pump)	18	*17035	Seal Assy. FKM (viton type)	1 (1 Per Pump)
4	17007	Sleeve Drive 7/8" for electric motor	1 (1 Per Pump)	18	17035SD	Severe Duty Seal	1 (1 Per Pump)
5	*17008	Impeller - 5" (Standard)	1	19	17042	Stud	6
5	17008-4.6	Impeller - 4.6" (Trimmed)	1	20	17019	Capscrew 5/16" - 18 x 3/4"	8
5	17008-4.1	Impeller - 4.1" (Trimmed)	1	21	17009B	Nut, Hex 1/2" - 13 UNC	1
6	17010	Hex Nut 1/2" - 13UNF-RH	1	22	17130	C' Sink Flat Head Screw	2
7	*17011	Wear Plate	1	N/S	17032	1/4" Drain Plug	1 (Not Shown)
8	17013	EPDM Gasket	1	N/S	17033	Z Rails	Pair.
9	17016	Gasket-Check valve Assy.	1	N/S	17100	Pump Repair Kit (1 1/2" & 2") (Consists of items marked *)	1
10	*17018	Gasket Adapter	1				
11	15022	Handle	1				
12	17023	Clamp 5/8", 3/4" Shaft Assy.(Old Style)	(1 Per Pump)				
1 2	17123	Clamp 5/8", 3/4" Shaft Assy.(Keyed)	(1 Per Pump)				
12	17024	Clamp 7/8" Shaft Assy.	(1 Per Pump)				
13	17026	Pump Housing	1				
14	V10118	5/16" Lockwasher	18				
15	V10119	5/16" - 18 Hex Nut S.S.	6				

1 1/2" & 2" Cast Iron Pumps



IMPORTANT

- 2 horsepower motors can only be used at 1750 RPM.
- 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.

PUMP FEATURES

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



CAST IRON PUMP ONLY				
PART NO.	DESCRIPTION	SIZE	HP	
150POI	1 1/2" x 1 1/2" Cast Iron Pump Only	1 1/2" x 1 1/2"	N/A	
200POI	2" x 2" Cast Iron Pump Only	2" x 2"	N/A	

CAST IRON PEDESTAL PUMP				
PART NO.	DESCRIPTION	SIZE	HP	
150PBI	1 1/2" x 1 1/2" C.I. Pump With Pedestal	1 1/2" x 1 1/2"	N/A	
200PBI	2" x 2" C.I. Pump With Pedestal	2" x 2"	N/A	

Note: 3/4" Straight Shaft for Long Coupling to Electric Motors

1 1/2" & 2" Cast Iron Pumps

FEATURES

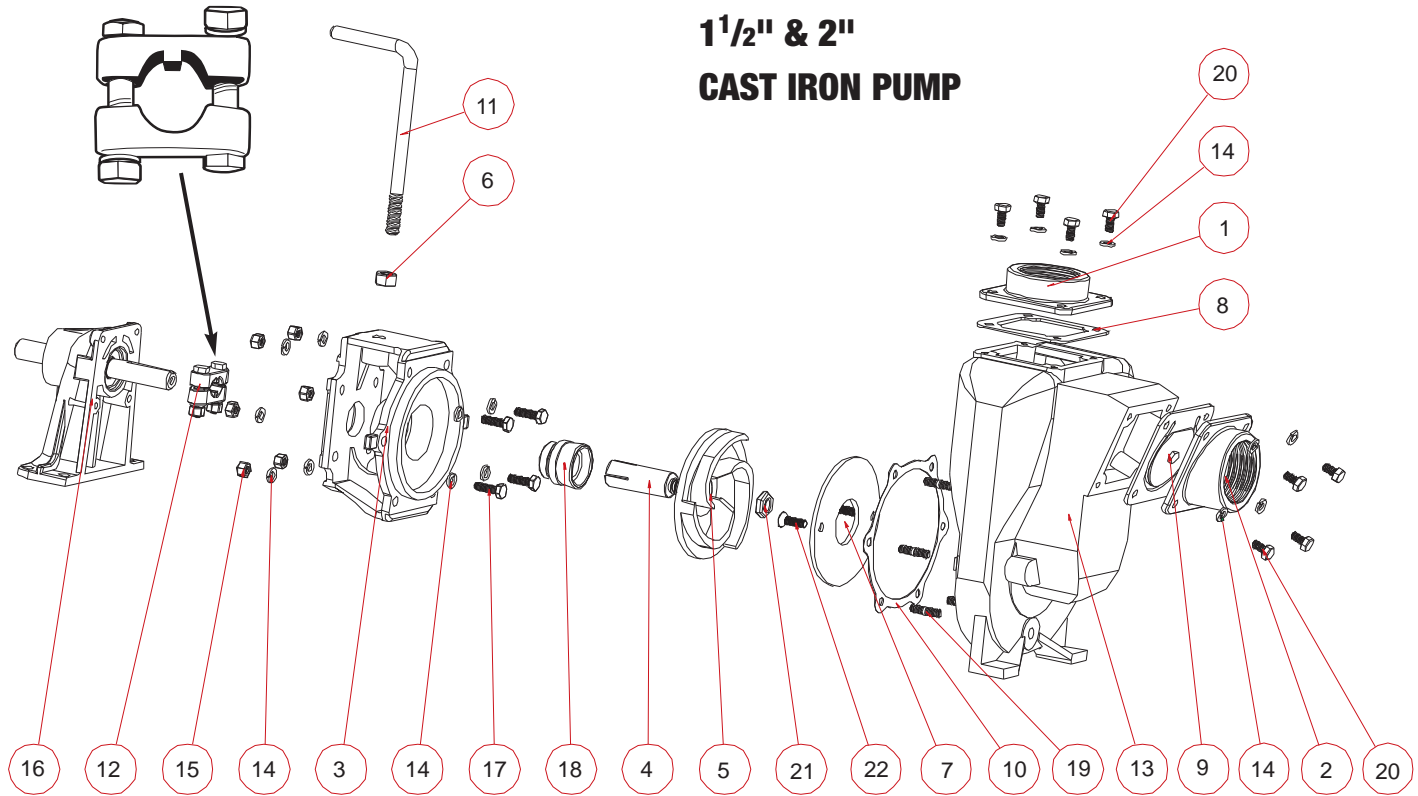
- For close coupling electric motors.

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	HP	
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"	N/A	
150POICF7/8	1 1/2" Cast Iron Pump with 7/8" Shaft Sleeve (3HP, 3450 RPM, 145TC Frame Size Recom.)	1 1/2" x 1 1/2"	N/A	
200POICF5/8	2" Cast Iron Pump with 5/8" Shaft Sleeve (3HP, 3450 RPM, 56C Frame Size Recommended)	2" x 2"	N/A	
200POICF7/8	2" Cast Iron Pump with 7/8" Shaft Sleeve (3HP, 3450 RPM, 145TC Frame Size Recom.)	2" x 2"	N/A	
234POI	2" Cast Iron Pump with 184TC Frame Adapter	2" X 2"	N/A	





REPLACEMENT PARTS 1 1/2" & 2" CAST IRON PUMPS

REF. NO.	PART NO.	DESCRIPTION	QTY. PER PUMP
1	17000	Flange-Outlet 2"	1 (2" Only)
1	17001	Flange-Outlet 1 1/2"	1 (1 1/2" Only)
2	17002	Flange-Inlet 20° 2"	1 (2" Only)
2	17003	Flange-Inlet 20° 1 1/2"	1 (1 1/2" Only)
3	17004	Adapter-Gas Engine	1
3	17046	C-Flange Adapter	1
4	17005	Sleeve Drive 5/8" for electric motor	1 (1 Per Pump)
4	*17006	Sleeve Drive 3/4" for gas engine	1 (1 Per Pump)
4	17007	Sleeve Drive 7/8" for electric motor	1 (1 Per Pump)
5	*17008	Impeller - 5" (Standard)	1
5	17008-4.6	Impeller - 4.6"(Trimmed) Elect. mtr.	1
5	17008-4.1	Impeller - 4.1"(Trimmed) Elect. mtr.	1
6	17010	Hex Nut 1/2" - 13UNF-RH	1
7	*17011	Wear Plate	1
8	17013	EPDM Gasket	1
9	17016	Gasket-Check valve Assy.	1
10	*17018	Gasket Adapter	1
11	15022	Handle	1
12	17023	Clamp 5/8", 3/4" Shaft Assy.(Old Style)	(1 Per Pump)
12	17123	Clamp 5/8", 3/4" Shaft Assy. (Keyed)	(1 Per Pump)
12	17024	Clamp 7/8" Shaft Assy.	(1 Per Pump)
13	17026	Pump Housing	1
14	V10118	5/16" Lockwasher	18
15	V10119	5/16" - 18 Hex Nut S.S.	6

REF. NO.	PART NO.	DESCRIPTION	QTY. PER PUMP
N/S	12882R	Housing For Bearing Pedestal	1
N/S	12883R	Bearing Pedestal 3/4" Shaft Only	1
N/S	12884	Internal Retaining Clip for Pedestal	1
N/S	12883B	Pedestal Bearing	2
16	12882A	Complete Pedestal Assy.(3/4" Shaft)	1
17	17040	Cap Screw 5/16" - 24 x 1.00" NF	4
18	17028	Seal Assy. (EPDM)	1(1 Per Pump)
18	*17035	Seal Assy. FKM (viton type)	1(1 Per Pump)
18	17035SD	Severe Duty Seal	1(1 Per Pump)
19	17042	Stud	6
20	17019	Capscrew 5/16" - 18 x 3/4"	8
21	17009B	Nut, Hex 1/2" - 13 UNC	1
22	17130	C Sink Flat Head Screw	2
N/S	17032	1/4" Drain Plug	1 (Not Shown)
N/S	17033	Z Rails	Pair
N/S	17100	Pump Repair Kit (1 1/2" & 2") (Consists of items marked *)	1

2" Close Coupled C/I Electric Driven Pumps

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.

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.



2" CLOSE COUPLED ELECTRIC DRIVEN PUMP - CAST IRON

PART NO.	DESCRIPTION	SIZE	HP
234PIE5	2" CI Pump, 5 HP, 3450 RPM Motor, 3 Phase	2" x 2"	5
234PIE51	2" CI Pump, 5 HP, 3450 RPM Motor, Single Phase	2" x 2"	5
234PIE3	2" CI Pump, 3 HP, 3450 RPM Motor, 3 Phase	2" x 2"	3

NOTE: Truck shipments only. Motor warranty service available at authorized dealers.

COMPLETE PUMP WITH STANDARD-E (EFFICIENT) INDUSTRIAL ELECTRIC MOTORS!

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.

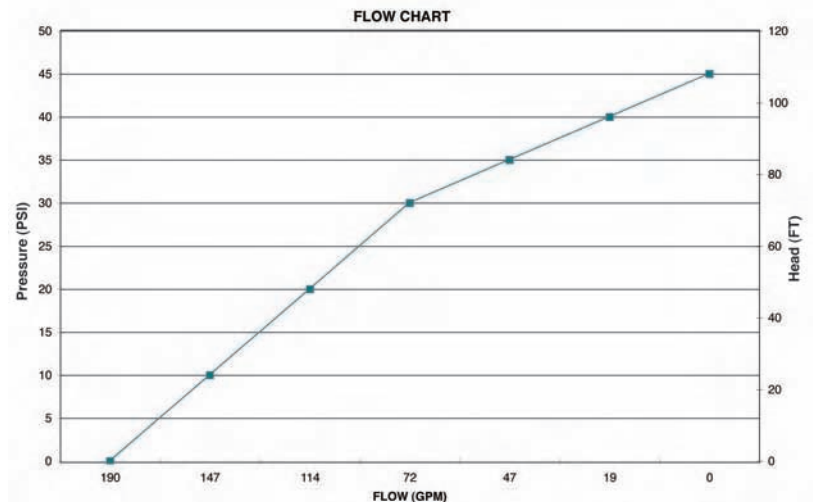


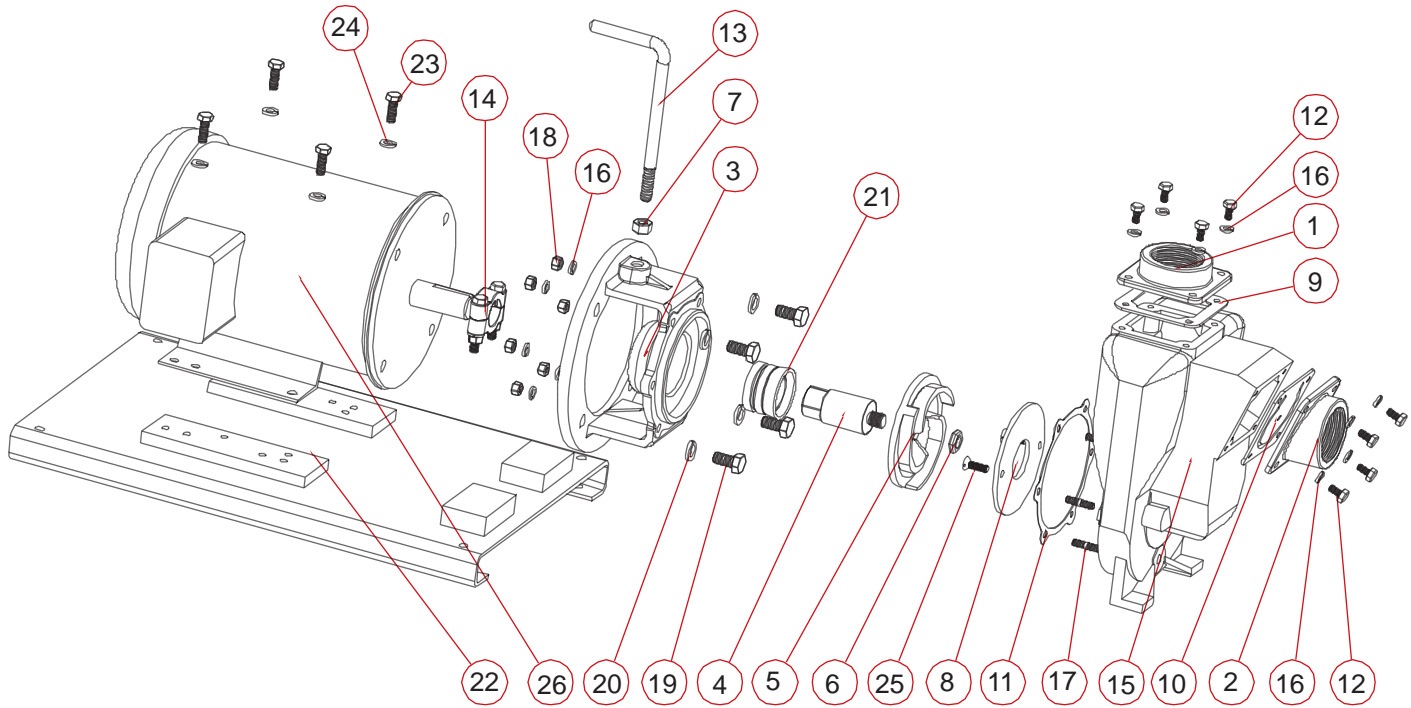
POLYETHYLENE SUCTION BASKET STRAINER



PART NO.	DESCRIPTION	QTY.
150SBS	1 1/2" Female Thread Poly Basket	1 pc.
200SBS	2" Female Thread Poly Basket	1 pc.
300SBS	3" Female Thread Poly Basket	1 pc.

PUMPS





REPLACEMENT PARTS - 234PIE3 - 234PIE5 - 234PIE51						
REF. NO.	QTY	DESCRIPTION	234PIE3	234PIE5	234PIE51	
1	1	Outlet Flange	17000	17000	17000	
2	1	Inlet Flange	17002	17002	17002	
3	1	C-Flange	17046	17446	17446	
4	1	Impeller Shaft	17007	17406	17406	
5	1	Impeller	17008	17408	17408	
6	1	Impeller Nut	17009B	17009B	17009B	
7	1	Hex Nut	17010	17010	17010	
8	1	Wear Plate	17011	17011	17011	
9	1	Outlet Gasket	17013	17013	17013	
10	1	Gasket and Check Valve	17016	17016	17016	
11	1	Adapter Gasket	17018	17018	17018	
12	8	Bolt	17019	17019	17019	
13	1	Handle	17022	17022	17022	
14	1	Clamp Assembly w/Key	17024	18129	18129	
15	1	Pump Housing	17026	17026	17026	
16	20	Lockwasher	V10118	V10118	V10118	
17	6	Housing Stud	17042	17042	17042	
18	8	Hex Nut	V10119	V10119	V10119	
19	4	Bolt	17449	17449	17449	
20	4	Washer	18058	18058	18058	
21	1	Seal	17035	18025	18025	
22	1	Base Plate Assembly*	17700	17700	17700	
23	4	Bolt	17704	17704	17704	
24	4	3/8" Lockwasher	V20018	V20018	V20018	
25	2	FLT HD Screw	17130	17130	17130	
26	1	Electric Motor	BEM3	BEM5	BEM51	

* Includes: Shims, Hardware, and Coupling Guard

1 1/2" and 2" Hydraulic Motor Driven Pump Self-Priming

PUMP FEATURES

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

HYDRAULIC MOTOR FEATURES

- Hydraulic fluid capacity
Minimum 6 Gallons / Maximum 10 Gallons.
- 12 H.P. Motor.
- Open or closed system.
- Minimum 500 P.S.I. / Maximum 2000 P.S.I.

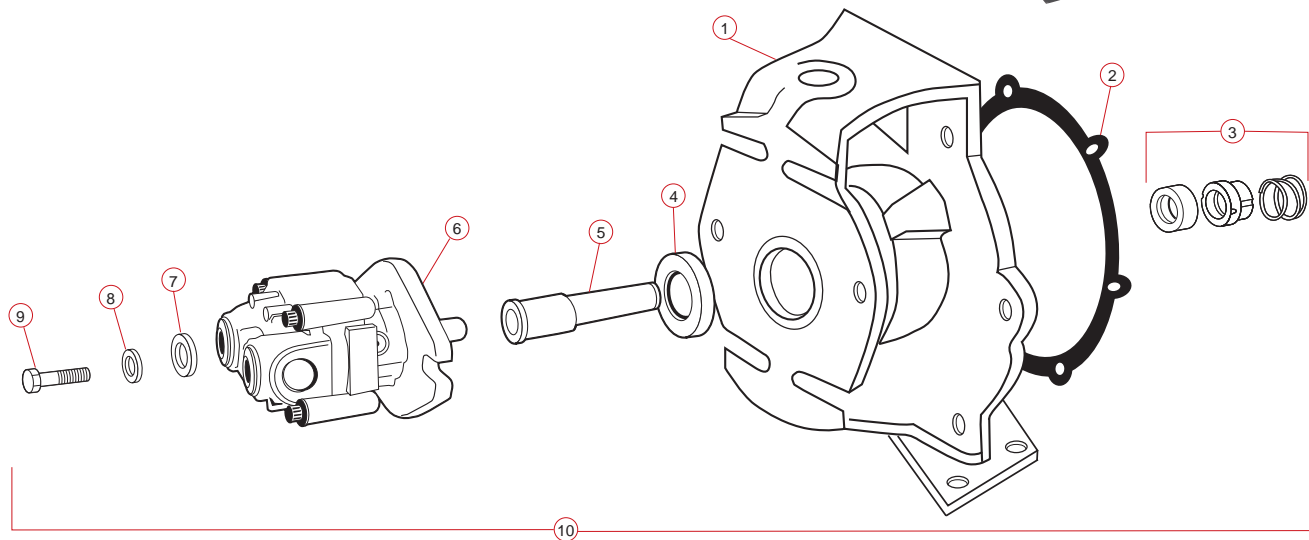
HYDRAULIC MOTOR CONNECTION INFORMATION:

inlet pump: SAE 10 (7/8-14 unf, 2b)
port: SAE 10 (7/8-14 unf, 2b)

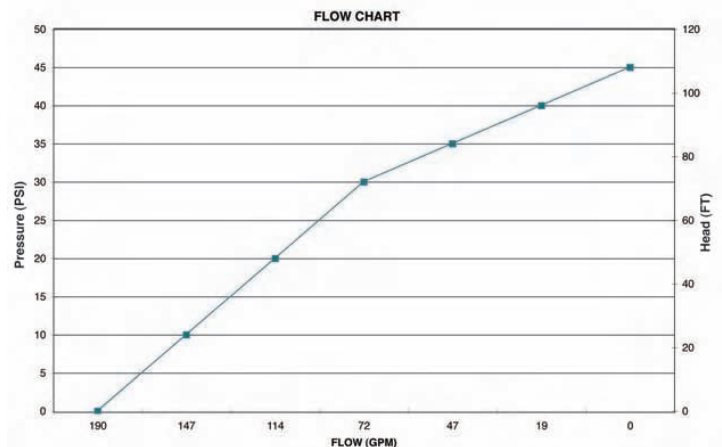
"A" Port - inlet
"B" Port - outlet



CAST IRON HYDRAULIC PUMP ASSEMBLY			
PART NO.	DESCRIPTION	SIZE	HP
150PIHY	1 1/2" Pump with Gresen Hyd. Motor	1 1/2" x 1 1/2"	12
200PIHY	2" Pump with Gresen Hyd. Motor	2" x 2"	12

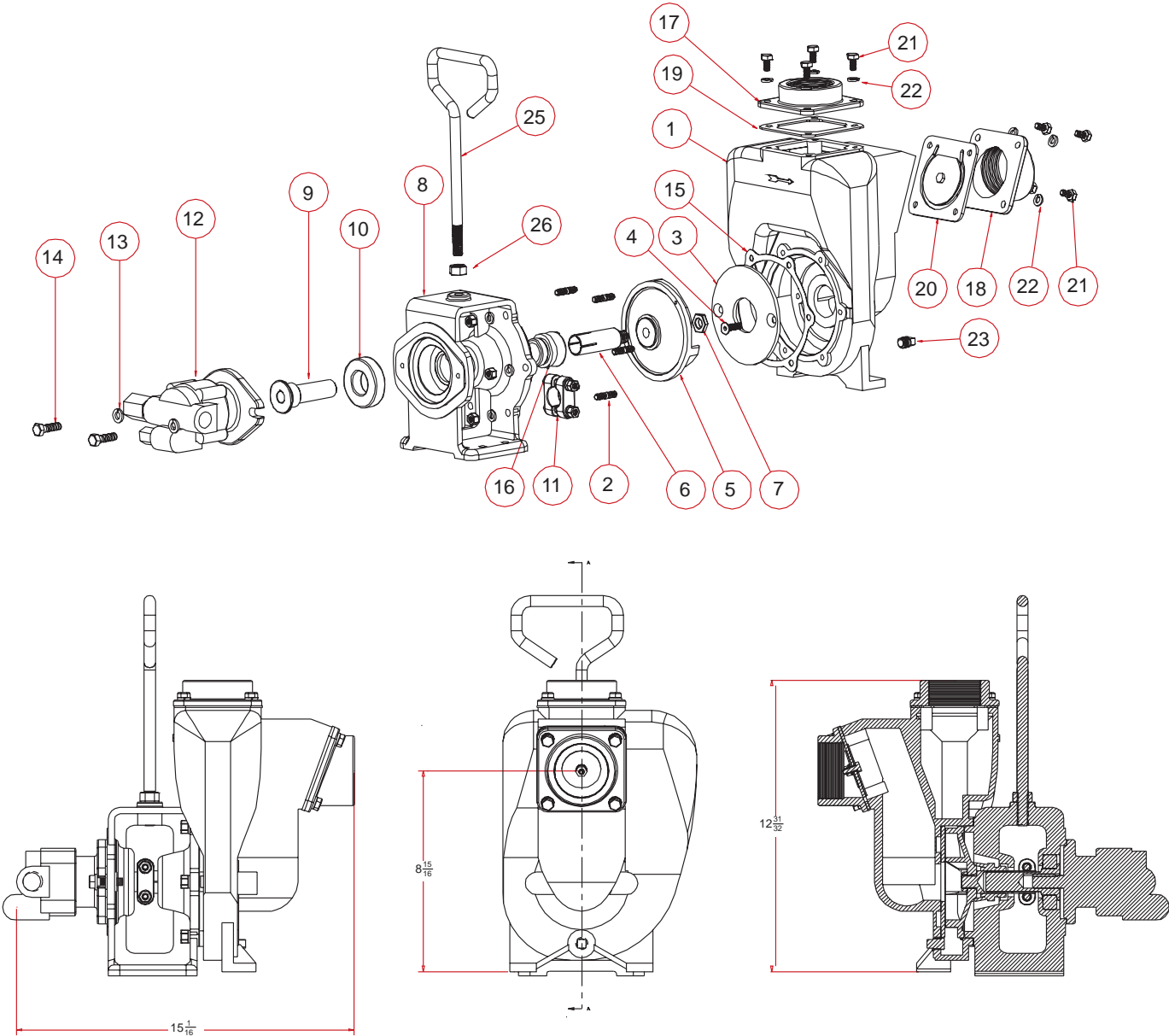


REPLACEMENT PARTS - 1 1/2" & 2" HYDRAULIC ADAPTER			
REF. NO.	PART NO.	DESCRIPTION	QTY. PER PUMP
1	17049A	Hydraulic Motor Adapter (Cast Iron)	1
2	17018	Gasket Adapter	1
3	17035	Seal Assembly	1
N/S	17007	Shaft Sleeve 7/8" SS	1
N/S	12214A	Hydraulic Pedestal Bearing Shim	1
4	12213A	Hydraulic Adapter Bearing	1
5	17055	Hydraulic Motor Adapter Shaft 5/8" x 7/8"	1
6	HY1013	Gresen Hydraulic Motor	1
7	17059	Flat Washer	2
8	V20018	Lock Washer	2
9	18010SS	Bolt	2
10	17600A	Hydraulic Motor Conversion Assy.	1



PUMPS





REPLACEMENT PARTS 1 1/2" & 2" CAST IRON HYDRAULIC PUMPS

REF. NO.	PART NO.	DESCRIPTION	QTY. PER PUMP	REF. NO.	PART NO.	DESCRIPTION	QTY. PER PUMP
1	17026	Pump Housing	1	16	17028	Seal Assy. (EPDM)	1(1 Per Pump)
2	17042	Pump Housing Stud	6	16	17035*	Seal Assy. FKM (viton type)	1(1 Per Pump)
3	*17011	Wear Plate	1	16	17035SD	Severe Duty Seal	1(1 Per Pump)
4	17130	Capscrew 5/16" - 18 x 1"	2	17	17000	Flange-Outlet 2"	1 (2" Only)
5	*17008	Impeller - 5" (Standard)	1	17	17001	Flange-Outlet 1 1/2"	1 (1 1/2" Only)
6	17007	Sleeve Drive 7/8" for hydraulic motor	1(1 Per Pump)	18	17002	Flange-Inlet 20° 2"	1 (2" Only)
7	17009B	Nut, Hex 1/2" - 13 UNC	1	18	17003	Flange-Inlet 20° 1 1/2"	1 (1 1/2" Only)
8	17049A	2" Cast Iron Hydraulic Adapter	1	19	17013	EPDM Gasket	1
9	17055A	2"Cast Iron Hydraulic Adapter Shaft	1	20	17016	Gasket-Check Valve Assy.	1
10	17056	SKF 6206-2RS1 Bearing	1	21	17019	Capscrew 5/16" - 18 x 3/4"	8
11	17024	7/8" Clamp, no key	1	22	V10118	5/16" Split Lockwasher	14
12	HY1013	MGG@0025BC1D3Hyd.MotorAssy.	1	23	17032	1/4" Drain Plug	1 (Not Shown)
13	V20018	3/8" Lockwasher	2	24	V10119	5/16" - 18 Hex Nut	6
14	18010SS	3/8" - 16 x 1.25" HHCS	2	25	15022	Handle	1
15	*17018	Gasket Adapter	1	26	17010	Hex Nut 1/2" - 13UNF-RH	1
				N/S	17100	Pump Repair Kit (1 1/2" & 2") (Consists of items marked *)	1

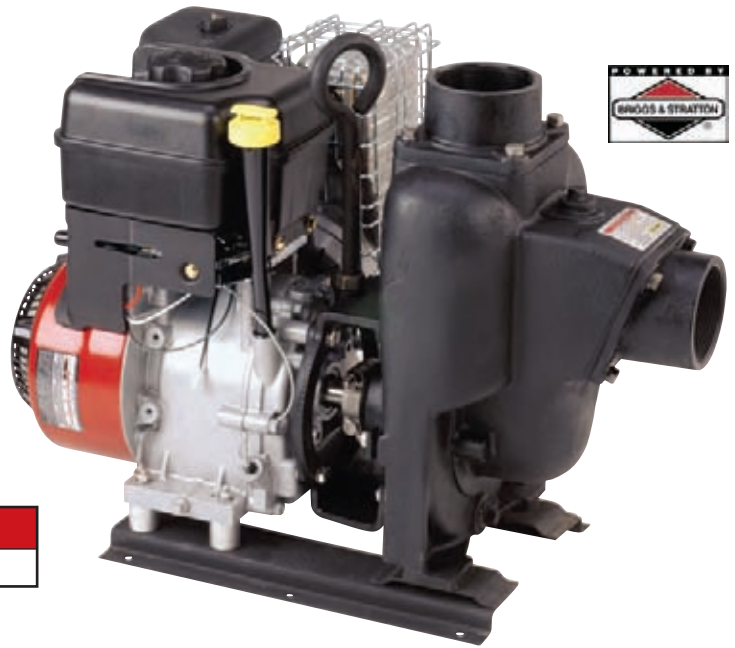
3" Gas Driven Cast Iron Self-Priming Centrifugal Pump

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 FKM (viton type) rubber.
- Replaceable inlet and outlet flanges.
- Dynamically balanced impeller.

NOTE: Engine warranty service available at authorized Briggs & Stratton and Honda dealers.

SHIPPING: Truck shipments only.



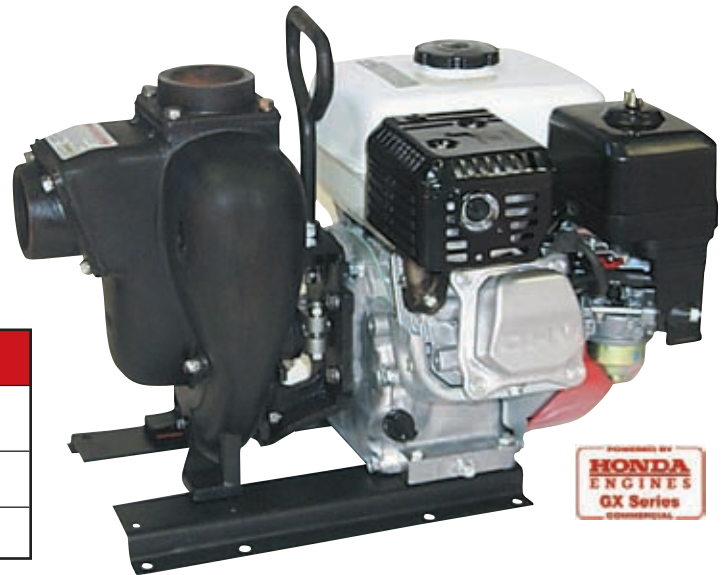
3" SELF PRIMING CENTRIFUGAL PUMP W/BRIGGS & STRATTON

PART NO.	DESCRIPTION	SIZE	HP
300PI8PRO*	3"x3" Cast Iron Pump x 8 HP Briggs Intek Pro	3" x 3"	8

NOTE: Pull rope only, no electric start available.

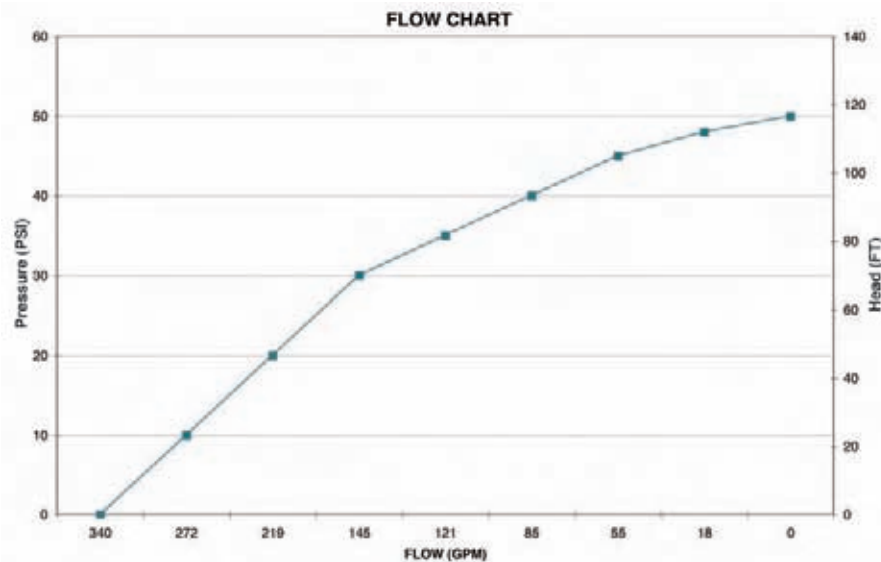
CAUTION-WARNING: Please do not run pumps dry, restrict or reduce port sizes or dead head pumps. This could cause component failure to pump.

DO NOT USE WITH FLAMMABLE LIQUIDS.

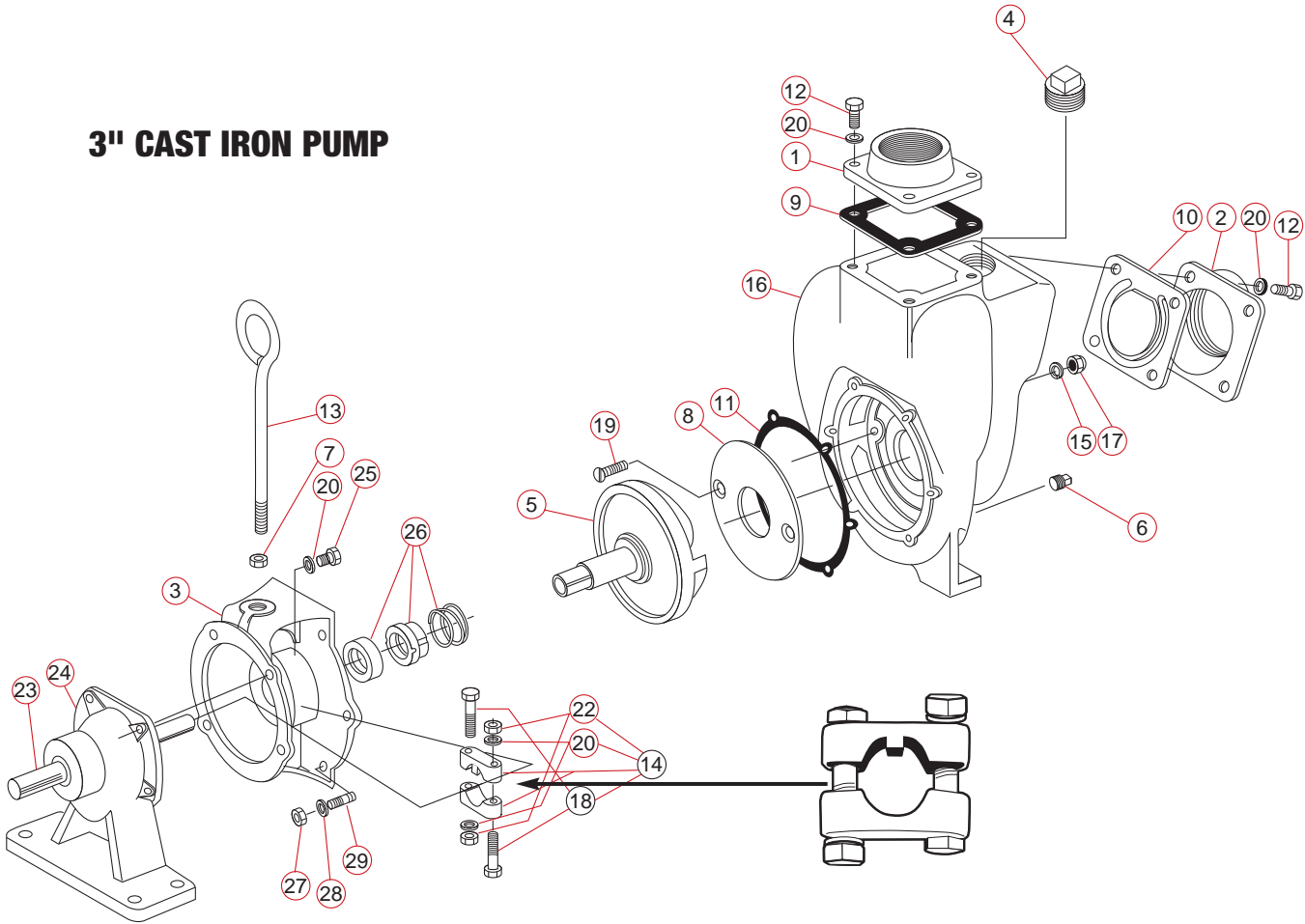


3" SELF PRIMING CENTRIFUGAL PUMPS W/HONDA ENGINE

PART NO.	DESCRIPTION	SIZE	HP
300PIH-8*	3" x 3" Cast Iron Pump x 8 H.P. Honda Engine - Electric Start w/ pull rope	3" x 3"	8
300PIH-11*	3" x 3" Cast Iron Pump x 11 H.P. Honda Engine - Electric Start w/ pull rope	3" x 3"	11
300PIH13*	3" x 3" Cast Iron Pump x 13 H.P. Honda Engine - Electric Start w/ pull rope	3" x 3"	13



3" CAST IRON PUMP



REPLACEMENT PARTS 3" CAST IRON PUMPS

REF. NO.	PART NO.	DESCRIPTION	QTY. PER PUMP	REF. NO.	PART NO.	DESCRIPTION	QTY. PER PUMP
1	18008	Flange, Outlet 3" NPT	1	15	18005*	Gasket, Wear Plate	2
2	18012	Flange Inlet 3" NPT	1	16	18001	3" Pump Housing	1
3	18026	Gas Engine Adapter	1	17	18007	³ / ₈ " - 16 SS Acorn Nut	2
3	18048	3" C-Flange Adapter	1	18	18030	Bolt ³ / ₈ " - 24 x 2 ¹ / ₄ " Large	2
3	18049	C.I. Hydraulic Motor Adapter 3"	1	19	18106*	Flat Head Wear Plate Screw	2
N/S	18055	Hydraulic Adapter Shaft 3"	1	20	V20018	Lock Washer ³ / ₈ "	8
4	18002	Plug 1" NPT Flush	1	22	18032	Nut ³ / ₈ " x 24 Hex SS	2
5	18023*	Impeller&Drive Shaft 1" (Gas Engine)	1	23	18504	1" Shaft For 3" Pedestal.	1
5	18023-1125	Impeller&Drive Shaft 1 ¹ / ₈ " (Elec.Motor)	1	24	18500	3" Bearing Pedestal - Complete	1
6	18003	Plug 1 ¹ / ₂ " NPT	1	N/S	18502	Bearing	2
7	18034	Nut, Jam ⁵ / ₈ " - 11 Thread. SS	1	25	17704	Bolt	4
8	18004*	Wear Plate	1	26	18025*	Seal Assy. FKM (viton type)	1
9	18009	Gasket, Outlet EPDM	1	26	18025SD	Severe Duty Seal	1
10	18013	Gasket Check Valve Assy.	1	27	V20019	Nut ³ / ₈ " - 24, Hex SS	6
11	18021*	Gasket, Adapter	1	28	V20018	Washer ³ / ₈ " Lock SS	6
12	18010SS	Capscrew HXHD ³ / ₈ "-16 x 1 ¹ / ₈ " LG SS	8	29	18218	Stud ³ / ₈ "-16 x ³ / ₈ "-24 x 1 ¹ / ₂ " LG SS	6
13	18033	Handle ⁵ / ₈ " - 11 Thread.	1	N/S	18035	Z-Rail Mtg. Bracket.	1 Pr.
14	18029	Clamp Assy. SS (Old Style)	1 Assy.	N/S	18100	3" Pump Repair Kit (Consists of items marked *)	1
14	18129	Clamp Assy. SS (Keyed)	1 Assy.				

3" Cast Iron Pumps

PUMP ONLY FEATURES

- Pump only packs complete and ready for attachment to gasoline engine.



IMPORTANT

- Recommended horsepower, listed below, is for water only. 10 HP motor is recommended for fluids heavier than water.

3" CAST IRON PUMP ONLY				
PART NO.	DESCRIPTION	SIZE	HP	
300POI*	3" x 3" Cast Iron Pump Only 1" shaft	3" x 3"	N/A	

*Truck Shipments Only

3" CAST IRON C-FLANGE PUMPS				
PART NO.	DESCRIPTION	SIZE	HP	
300POICF*	3" Cast Iron Pump ONLY with 1 1/8" Shaft Sleeve (7 1/2 HP, 3450 RPM, 184TC Frame Size Recommended)	3" x 3"	N/A	

*Truck Shipments Only

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.

3" Pedestal Pumps

FEATURES

- With the addition of the Banjo bearing pedestal the pump is easily adaptable to an electric motor.
- Flexible coupling not included.
- 1" Straight keyed shaft.



3" CAST IRON PEDESTAL PUMP				
PART NO.	DESCRIPTION	SIZE	HP	
300PBI*	3" x 3" C.I. Pump With Pedestal	3" x 3"	N/A	

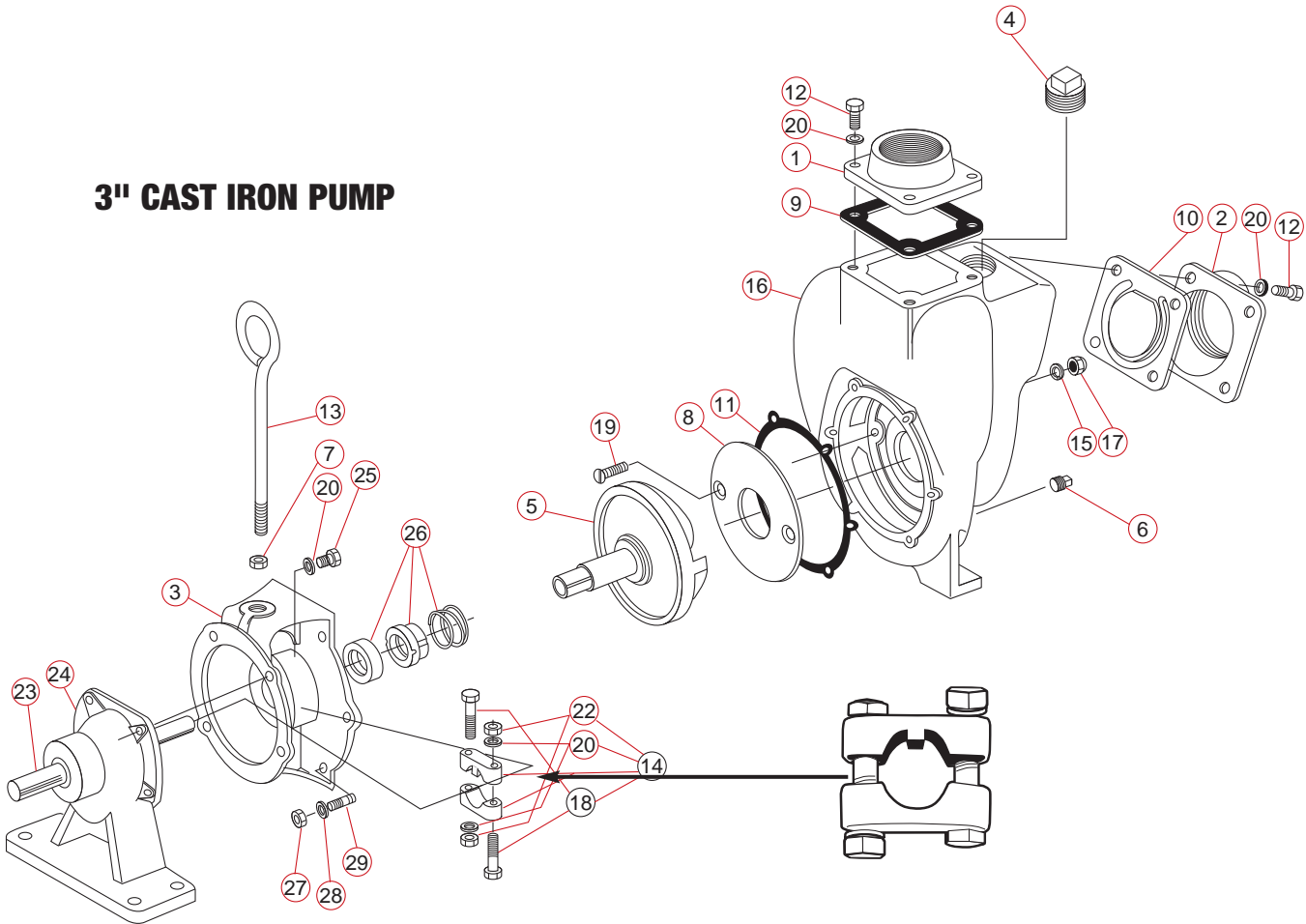
*Truck Shipments Only

POLYETHYLENE SUCTION BASKET STRAINER



PART NO.	DESCRIPTION	QTY.	
150SBS	1 1/2" Female Thread Poly Basket	1 pc.	
200SBS	2" Female Thread Poly Basket	1 pc.	
300SBS	3" Female Thread Poly Basket	1 pc.	

3" CAST IRON PUMP



REPLACEMENT PARTS 3" CAST IRON PUMPS

REF. NO.	PART NO.	DESCRIPTION	QTY. PER PUMP	REF. NO.	PART NO.	DESCRIPTION	QTY. PER PUMP
1	18008	Flange, Outlet 3" NPT	1	15	*18005	Gasket, Wear Plate	2
2	18012	Flange Inlet 3" NPT	1	16	18001	3" Pump Housing	1
3	18026	Gas Engine Adapter	1	17	18007	$\frac{3}{8}$ " - 16 SS Acorn Nut	2
3	18048	3" C-Flange Adapter	1	18	18030	Bolt $\frac{3}{8}$ " - 24 x 2 $\frac{1}{4}$ " Large	2
3	18049	C.I. Hydraulic Motor Adapter 3"	1	19	18106*	Flat Head Wear Plate Screw	2
N/S	18055	Hydraulic Adapter Shaft 3"	1	20	V20018	Lock Washer $\frac{3}{8}$ "	8
4	18002	Plug 1" NPT Flush	1	22	18032	Nut $\frac{3}{8}$ " x 24 Hex SS	2
5	18023*	Impeller&Drive Shaft 1" (Gas Engine)	1	23	18504	1" Shaft For 3" Pedestal	1
5	18023-1125	Impeller&Drive Shaft 1 $\frac{1}{8}$ " (Elec.Motor)	1	24	18500	3" Bearing Pedestal - Complete	1
6	18003	Plug $\frac{1}{2}$ " NPT	1	N/S	18502	Bearing	2
7	18034	Nut, Jam $\frac{5}{8}$ " - 11 Thread. SS	1	25	17704	Bolt	4
8	18004*	Wear Plate	1	26	18025*	Seal Assy. FKM (viton type)	1
9	18009	Gasket, Outlet EPDM	1	26	18025SD	Severe Duty Seal	1
10	18013	Gasket Check Valve Assy.	1	27	V20019	Nut $\frac{3}{8}$ " - 24, Hex SS	6
11	18021*	Gasket, Adapter	1	28	V20018	Washer $\frac{3}{8}$ " Lock SS	6
12	18010SS	Capscrew HXHD $\frac{3}{8}$ "-16x1 $\frac{1}{8}$ "LG SS	8	29	18218	Stud $\frac{3}{8}$ "-16 x $\frac{3}{8}$ "-24 x 1 $\frac{1}{2}$ "LG SS	6
13	18033	Handle $\frac{5}{8}$ " - 11 Thread.	1	N/S	18035	Z-Rail Mtg. Bracket.	1 Pr.
14	18029	Clamp Assy. SS (Old Style)	1 Assy.	N/S	18100	3" Pump Repair Kit (Consists of items marked *)	1
14	18129	Clamp Assy. SS (Keyed)	1 Assy.				

3" Hydraulic Motor Driven Pump Self-Priming

PUMP FEATURES

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

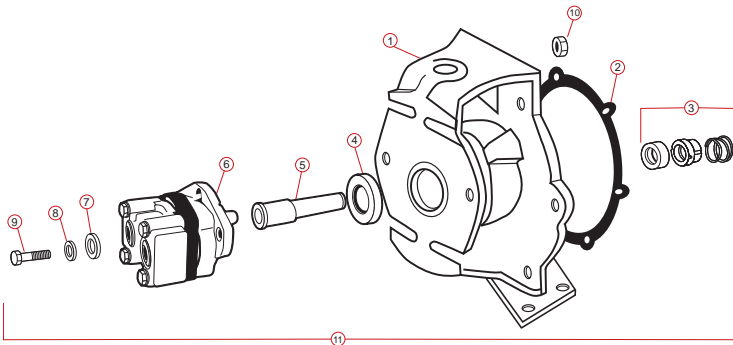
HYDRAULIC MOTOR

- Hydraulic fluid capacity
Minimum 8 Gallons / Maximum 15 Gallons.
- 21 H.P. Motor.
- Open system.
- Minimum 600 P.S.I. / Maximum 3000 P.S.I.



CAST IRON HYDRAULIC PUMP ASSEMBLY

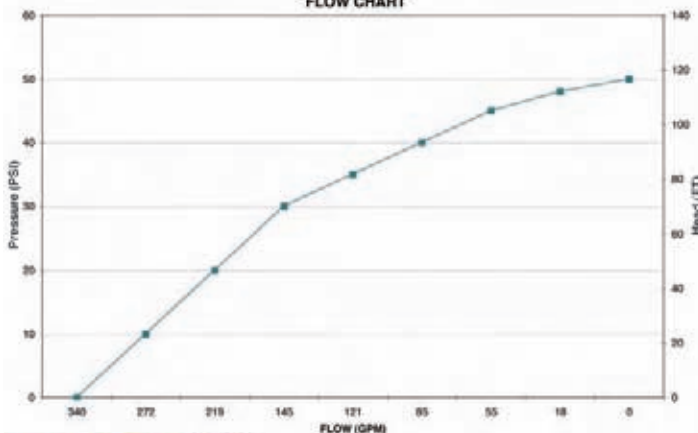
PART NO.	DESCRIPTION	SIZE	HP
300PIHY	3" Pump with Tyrone Hyd. Motor	3" x 3"	21



REPLACEMENT PARTS - 3" HYDRAULIC ADAPTER

REF. NO.	PART NO.	DESCRIPTION	QTY. PER PUMP
1	18049	3" C-Flange Hydraulic Motor Adapter	1
2	18021	Gasket Adapter	1
3	18025	Seal Assembly	1
4	18502	Bearing, SKF63062RSC3VE	1
5	18055	Hydraulic Shaft Sleeve Adapter	1
6	HY1012	Tyrone UM16 Hydraulic Motor	1
7	18059	1/2" Flat Washer	2
8	18058	1/2" Split Lock Washer	2
9	18056	1/2" - 13" x 2" HHCS Bolt	2
10	17010	1/2" - 13" Full Hex Nut	2
11	18600	Hydraulic Motor Adapter Assy.	1

FLOW CHART



HYDRAULIC MOTOR TECH DATA:

U.S. Gallons/Rev.	0.0038
Cubic Inches/Rev.	0.878
Liters/Rev.	0.0144

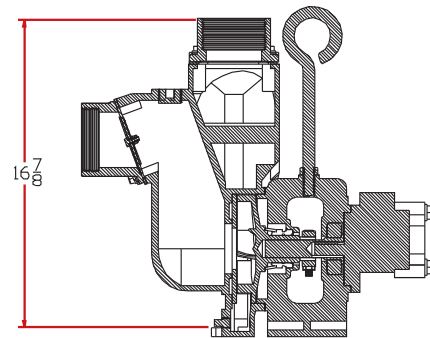
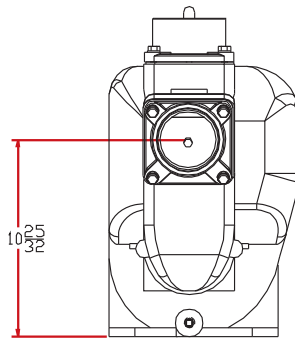
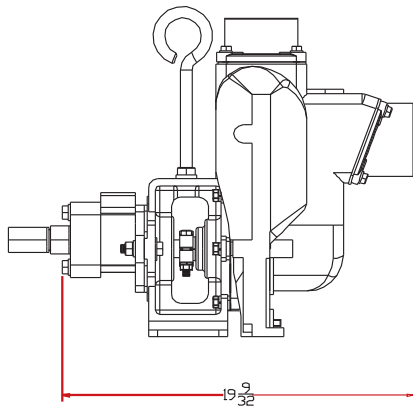
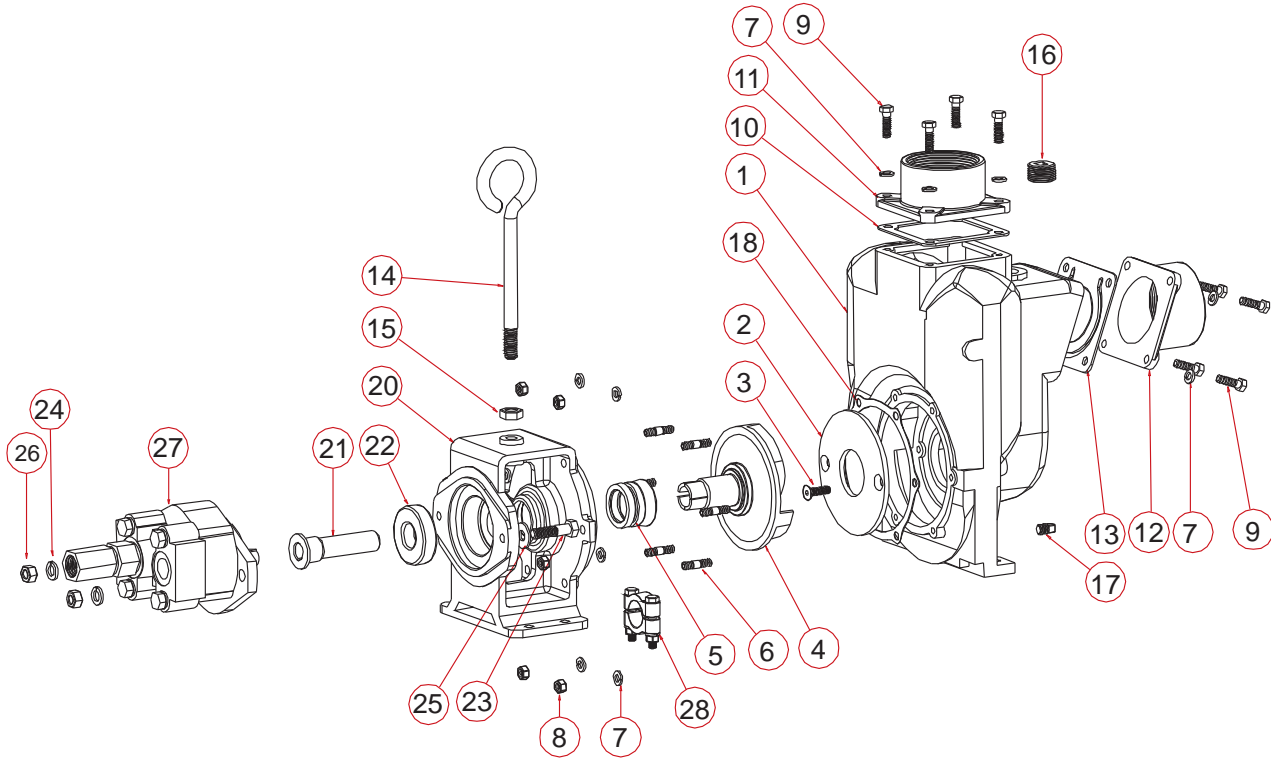
Max Hydraulic Pressure	3000 P.S.I.
Min Hydraulic Pressure	600 P.S.I.

Inlet Port 1-1/16-12UN-2B
Outlet Port 1-5/16-12UN-2B

- Minimum Hydraulic GPM required to motor for Banjo Pump 9 GPM (2370 rpm)
- Maximum Hydraulic GPM required to motor for Banjo Pump 15 GPM (3950 rpm)
- Ideal GPM required to motor for Banjo Pump 13.7 GPM (3600 rpm)

CONNECTION INFORMATION:

- The outlet port **MUST** be connected directly back to the hydraulic fluid reservoir.
- The outlet port **MUST NOT** be connected to any valving, regulators, flow diverters, etc. Otherwise motor failure will occur. (Blown shaft seal).
- The outlet port/return line back pressure **MUST NOT** exceed 250 P.S.I., otherwise motor failure will occur.
- The supplied check valve **MUST** be installed in the outlet port before using motor.
- It is recommended that a minimum 3/4" inlet line and a minimum 1" outlet line be used with this motor.



REPLACEMENT PARTS 3" CAST IRON HYDRAULIC PUMPS

REF. NO.	PART NO.	DESCRIPTION	QTY. PER PUMP	REF. NO.	PART NO.	DESCRIPTION	QTY. PER PUMP
1	18001	Pump Housing	1	15	18034	5/8" - 11 Hex Nut	1
2	*18004	Wear Plate	1	16	18002	1" NPT Plug	1
3	*18106	3/8" - 16 x 1.25" HHCS	2	17	18003	1/2" NPT Plug	1
4	*18023	Impeller & Drive Shaft	1	18	*18021	3" Pump Adapter Gasket	1
5	*18025	Mechanical Seal FKM (viton type)	1	20	18049	Hydraulic Motor Adapter	1
5	18025SD	Severe Duty Seal	1	21	18055	Hydraulic Adapter Shaft	1
6	18218	Pump Housing stud	6 (6 Per Pump)	22	18502	SKF 6306-2RS1 Bearing	1
7	V20018	3/8" Split Lockwasher	14	23	18056	1/2" - 13 x 2" HHCS	2
8	V20019	3/8" - 24 Hex Nut	6	24	18058	1/2" Split washer	2
9	18010SS	3/8" - 16 x 1.25" HHCS	8	25	18059	1/2" Flat Washer	2
10	18009	Outlet Gasket EPDM	1	26	17010	1/2" - 13 Hex Nut	2
11	18008	Outlet Flange	1	27	HY1012	UM16-45A-HX Hydraulic Motor Assm.	1
12	18012	3" Inlet Flange	1	28	18029	3" Clamp assemble, Unkeyed	1
13	18013	3" Inlet/Check Gasket EPDM	1	N/S	18100	Pump Repair Kit (3")	1
14	18033	Pump Handle 5/8" - 11 Thread	1			(Consists of items marked *)	

2" & 3" 316 Stainless Steel Self-Priming Centrifugal Pump

FEATURES

- Gas Driven.
- Carbon ceramic seal consists of 316 stainless steel cup and spring with FKM (viton type) Elastomer.
- All 316 stainless steel wettable internal components:
 - Impeller –Sleeve –Wear plate –Fasteners
- 316 stainless steel housing.
- Dynamically balanced impeller.

2" & 3" GAS ENGINE PUMPS				
PART NO.	DESCRIPTION	SIZE	HP	
200P6PROSS*	2" x 2" 316 SS Pump x 6.5 h.p. Intek PRO	2" x 2"	6.5	
300PH11-SS*	3" x 3" 316 SS Pump x 11 h.p. Honda Engine	3" x 3"	11	
300PH13SS*	3" x 3" 316 SS Pump x 13 h.p. Honda Engine	3" x 3"	13	

*Truck Shipments Only



Stainless Steel Pump Only/Pedestal Pump/C-Flanged Pump

FEATURES

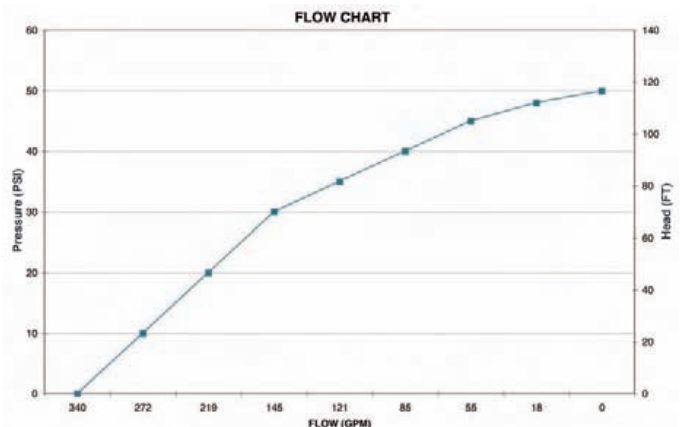
- Bearing pedestal pump is easily adaptable to electric motor.
- Pump only packs complete and ready for attachment to gasoline engine.

NOTE: Engine warranty service available at authorized Honda and Briggs & Stratton dealers.



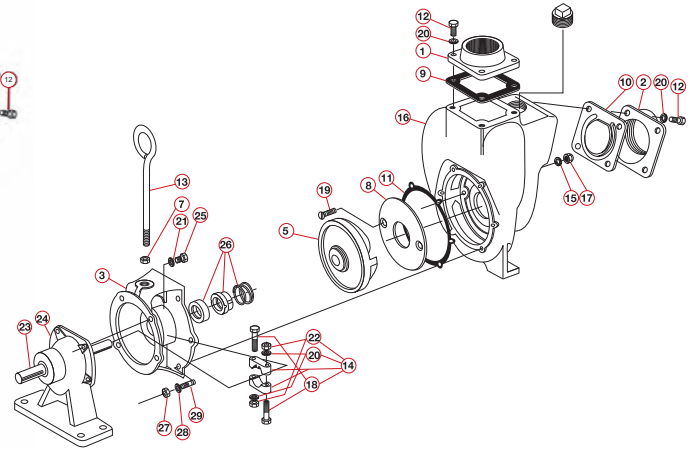
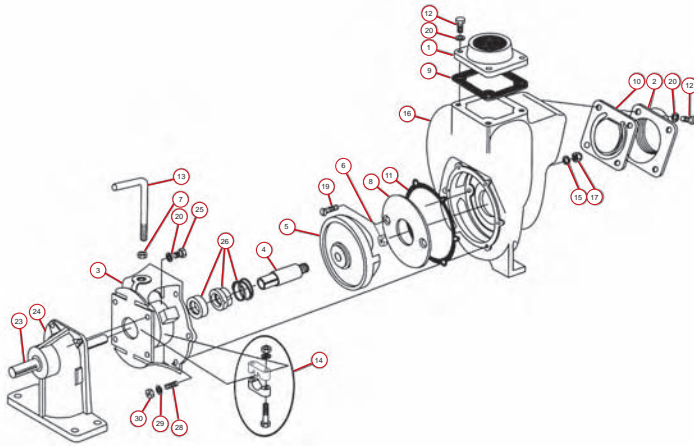
SS PUMP ONLY, PEDESTAL AND C-FLANGE				
PART NO.	DESCRIPTION	SIZE	HP	
200PB-SS	316 SS Pedestal Pump 3/4" shaft	2" x 2"	N/A	
300PB-SS*	316 SS Pedestal Pump 3/4" shaft	3" x 3"	N/A	
200PO-SS	2" x 2" 316 SS Pump Only 3/4" shaft	2" x 2"	N/A	
300PO-SS*	3" x 3" 316 SS Pump Only 1" shaft	3" x 3"	N/A	
200POSSCF 5/8	2" 316 SS Pump – C-Flanged 5/8" Shaft Sleeve	2" x 2"	N/A	
200POSSCF 7/8	2" 316 SS Pump – C-Flanged 7/8" Shaft Sleeve	2" x 2"	N/A	
300PO-SSCF*	3" 316 SS Pump – C-Flanged 1 1/8" Shaft Sleeve	3" x 3"	N/A	

*Truck Shipments Only.



PUMPS





REPLACEMENT PARTS 2" SS PUMP				
REF. NO.	PART NO.	DESCRIPTION	QTY.	
1	17000SS	Flange – Outlet 2" Stainless Steel	1	
2	17002SS	Flange – Inlet 20° 2" Stainless Steel	1	
3	17004SS	Adapter – Gas Engine Stainless Steel	1	
3	17046SS	CF Adapter – For Closed Coupled Electric Drive Pump	1	
4	17005SS	Sleeve – Drive 5/8" Stainless Steel	1	
4	17006SS*	Sleeve – Drive 3/4" Stainless Steel	1	
4	17007SS	Sleeve – Drive 7/8" Stainless Steel	1	
5	17008SS*	Impeller Stainless Steel	1	
5	17008-4.1SS	Impeller – 4.1"	1	
5	17008-4.6SS	Impeller – 4.6"	1	
6	17009B	Nut, Hex 1/2" – 13 UNC	1	
8	17011SS*	Plate – Wear Stainless Steel	1	
9	17014	Gasket, Outlet FKM (viton type)	1	
10	17017	Gasket, Check Valve Assy. FKM (viton type)	1	
11	17018*	Gasket – Adapter	1	
12	17019	Capscrew 5/16" – 18 x 3/4"	8	
13	15022	Handle	1	
14	17023	Clamp – 5/8", 3/4" Shaft, S.S. (Old Style)	1	
14	17123	Clamp – 5/8", 3/4" Shaft, S.S.(Keyed Clamp)	1	
14	17024	Clamp – 7/8" Shaft, S.S.	1	
15	17025*	Wear Plate Gasket	2	
16	17026SS	Pump Housing Stainless Steel	1	
17	17027	Nut, Acorn 5/16" – 18	2	
18	17029	Capscrew 5/16" – 18 x 1 3/4"	2	
19	17130SS*	Bolt, 3/8" – 16 x 1" Large. x 82° C'SK SS	2	
20	V10118	Lock Washer 5/16"	16	
22	V10119	5/16" – 18 Hex Nut S.S.	2	
24	12882A	Bearing Pedestal Assembly w/3/4" Shaft	1	
25	17040	Bolt	4	
26	17035SS*	Seal Assy. FKM (viton type) SS	1	
28	17042	Stud	6	
29	V10118	Lock Washer 5/16"	8	
30	V10119	5/16" – 18 Hex Nut S.S.	8	
N/S	17032SS	1/4" Drain Plug Stainless Steel	1	
N/S	17100SS	Pump Repair Kit (Items marked *)	1	

REPLACEMENT PARTS 3" SS PUMP				
REF. NO.	PART NO.	DESCRIPTION	QTY.	
1	18008SS	Flange – Outlet 3" SS	1	
2	18012SS	Flange – Inlet 3" SS	1	
3	18026SS	Adapter – Gas Engine SS	1	
3	18048SS	3" C Flange Adapter – SS	1	
4	18002SS	Plug 1" NPT Flush	1	
5	18023SS*	Impeller Drive Sleeve Assy. SS	1	
5	18023-1125SS	Impeller Drive Sleeve – 1 1/8"	1	
6	18003SS	Plug, 1/2" NPTSS	1	
7	18034	Nut, Jam 5/8" – 11 Thread. S.S.	1	
8	18004SS*	Plate – Wear SS	1	
9	18044	Gasket – Outlet FKM (viton type)	1	
10	18042	Gasket–Check Valve Assy. FKM(viton type)	1	
11	18021*	Gasket – Adapter	1	
12	18010SS	Capscrew HexHd. 3/8"-16 x1 1/8" Large.SS	8	
13	18033	Handle	1	
14	18029	Clamp Assy. (Old Style)	1	
14	18129	Clamp Assy. (Keyed)	1	
15	18005*	Gasket-Wear Plate	2	
16	18001SS	Pump Housing SS	1	
17	18007	Nut, Acorn	2	
18	18030	Bolt, 3/8" – 24 x 2 1/4" Large. S.S.	2	
19	18106SS*	Bolt, 3/8" –16x1 1/4" Large. x 82° C'SK SS	2	
20	V20018	Lock Washer 3/8"	8	
22	18032	Nut, 3/8" – 24 Hex. S.S.	2	
23	18504	1" Shaft for 3" Pedestal	1	
24	18500	Bearing Pedestal Assy.	1	
25	18027	Capscrew 3/8" – 16 x 1 1/2"	4	
26	18025SS*	FKM (viton type) Seal Assy. SS	1	
27	V20019	Nut, 3/8" – 24, Hex S.S.	6	
28	V20018	Washer, 3/8" Lock S.S.	6	
29	18218	Stud	6	
N/S	18100SS	3" Pump Repair Kit (Items marked *)	1	

2" Close Coupled Stainless Steel Electric Driven Pumps

FEATURES

- Stainless Steel 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.

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.



COMPLETE PUMP WITH STANDARD-E (EFFICIENT) INDUSTRIAL ELECTRIC MOTORS!

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.

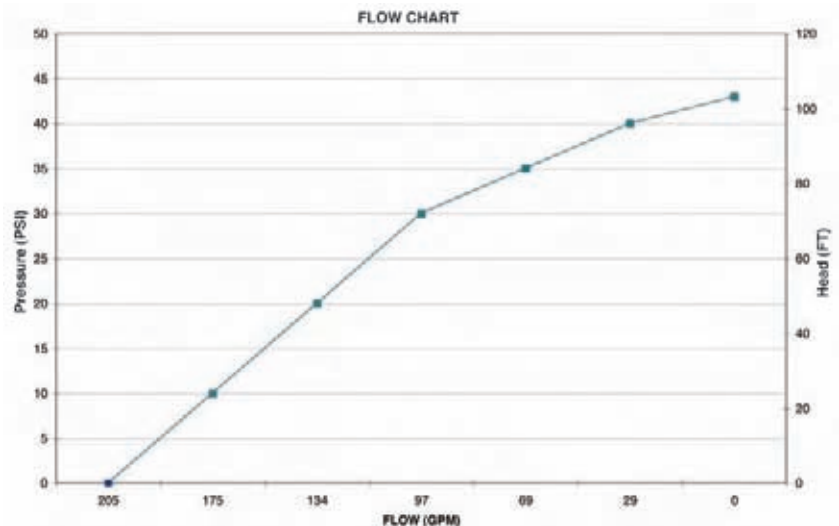
2" CLOSE COUPLED ELECTRIC DRIVEN PUMP - STAINLESS STEEL

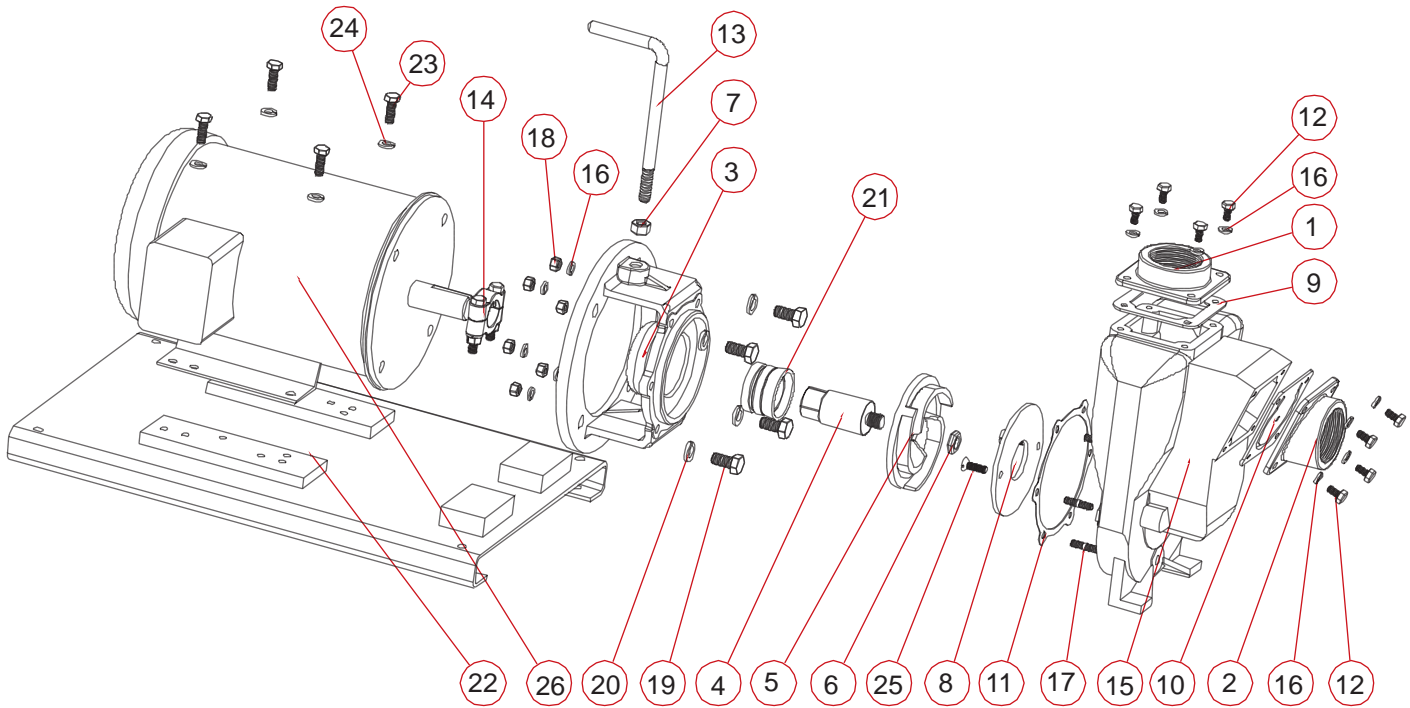
PART NO.	DESCRIPTION	SIZE	HP
234PE5SS	2" SS Pump, 5 HP, 3450 RPM Motor, 3 Phase	2" x 2"	5
234PE51SS	2" SS Pump, 5 HP, 3450 RPM Motor, Single Phase	2" x 2"	5
234PE3SS	2" SS Pump, 3 HP, 3450 RPM Motor, 3 Phase	2" x 2"	3



PUMPS

NOTE: Truck shipments only. Motor warranty service available at authorized dealers.





REPLACEMENT PARTS - 2" Close Coupled Electric Driven Stainless Steel Pump

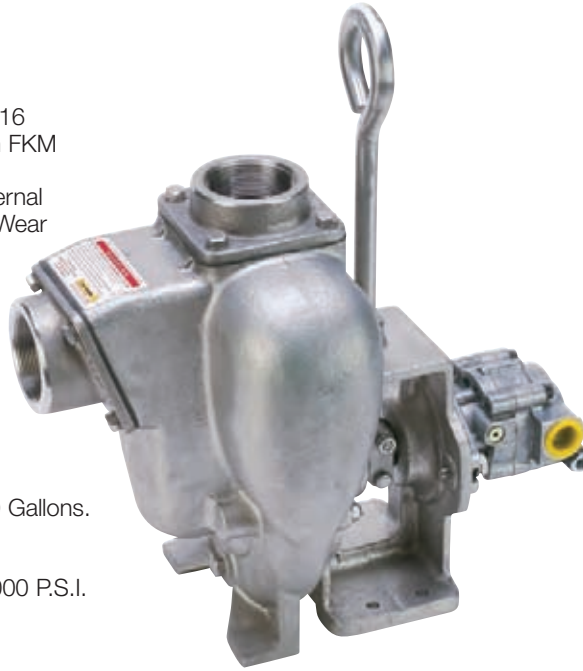
REF. NO.	QTY	DESCRIPTION	234PE3SS	234PE5SS	234PE51SS
1	1	Outlet Flange	17000SS	17000SS	17000SS
2	1	Inlet Flange	17002SS	17002SS	17002SS
3	1	C-Flange	17046SS	17446SS	17446SS
4	1	Impeller Shaft	17007SS	17406	17406
5	1	Impeller	17008SS	17408SS	17408SS
6	1	Impeller Nut	17009B	17009B	17009B
7	1	Hex Nut	17010	17010	17010
8	1	Wear Plate	17011SS	17011SS	17011SS
9	1	Outlet Gasket	17014	17014	17014
10	1	Inlet Gasket with Check Valve	17017	17017	17017
11	1	Adapter Gasket	17018	17018	17018
12	8	Bolt	17019	17019	17019
13	1	Handle	17022	17022	17022
14	1	Clamp Assembly w/Key	17024	18129	18129
15	1	Pump Housing	17026SS	17026SS	17026SS
16	20	Lockwasher	V10118	V10118	V10118
17	6	Housing Stud	17042	17042	17042
18	8	Hex Nut	V10119	V10119	V10119
19	4	Bolt	17449	17449	17449
20	4	Washer	18058	18058	18058
21	1	Seal Assembly	17035SS	18025SS	18025SS
22*	1	Base Plate	17700	17700	17700
23	4	Bolt	17704	17704	17704
24	4	3/8" Lockwasher	V20018	V20018	V20018
25	2	FLT HD Screw	17130SS	17130SS	17130SS
26	1	Electric Motor	BEM3	BEM5	BEM51

* Includes shims, hardware, and coupling guard

2" Hydraulic Motor Driven Stainless Steel Pumps

FEATURES

- Carbon ceramic seal consists of 316 stainless steel cup and spring with FKM (viton type) Elastomer.
- All 316 stainless steel wettable internal components: –Impeller –Sleeve –Wear plate –Fasteners
- 316 stainless steel housing.
- Dynamically balanced impeller.



HYDRAULIC MOTOR CONNECTION INFORMATION:

Inlet pump: SAE 10 (7/8-14 UNF, 2b)
 "A" Port - Inlet
 Outlet port: SAE 10 (7/8-14 UNF, 2b)
 "B" Port -Outlet

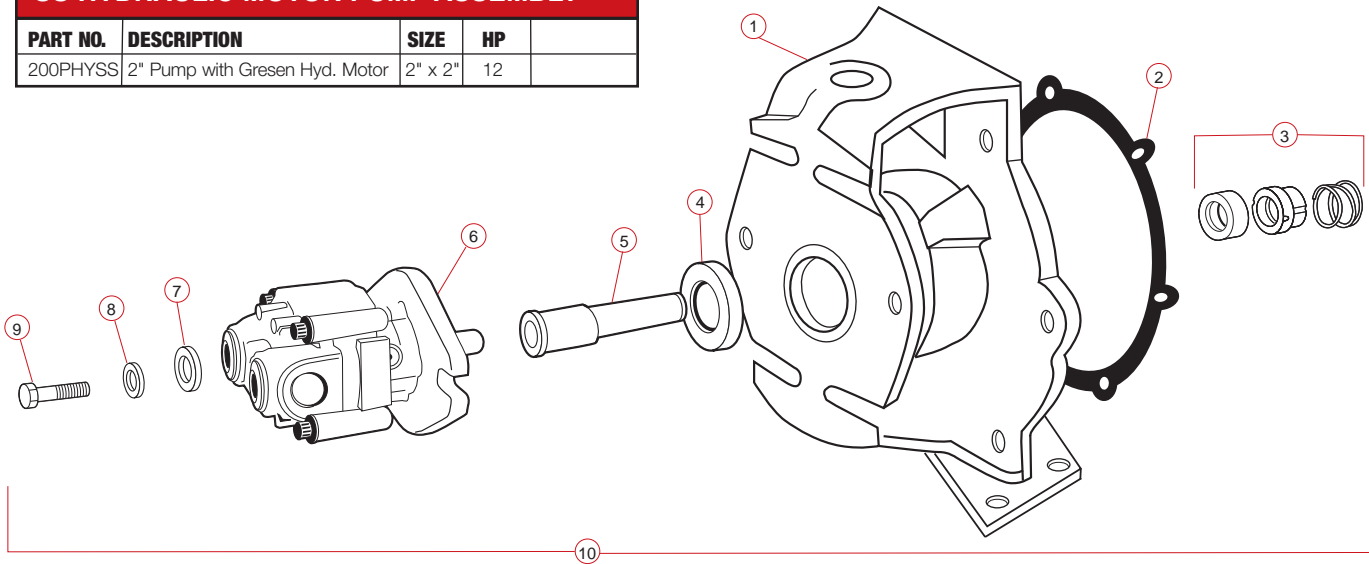
HYDRAULIC MOTOR FEATURES

- Hydraulic fluid capacity
 Minimum 6 Gallons / Maximum 10 Gallons.
- 12 H.P. Motor.
- Open or closed system.
- Minimum 500 P.S.I. / Maximum 2000 P.S.I.

NOTE: The supplied check valve must be installed in the outlet port before using motor.

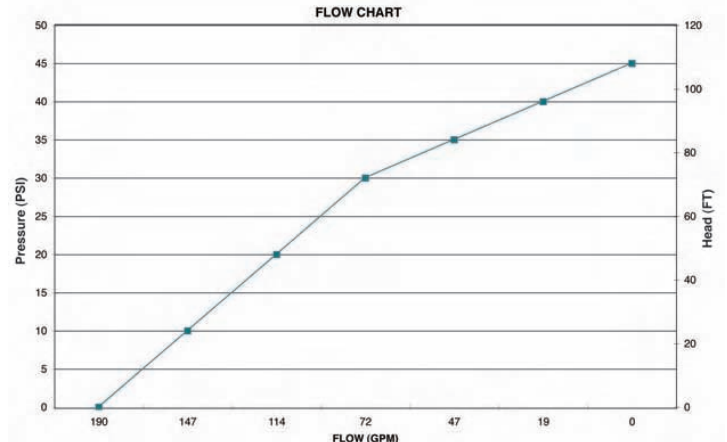
SS HYDRAULIC MOTOR PUMP ASSEMBLY

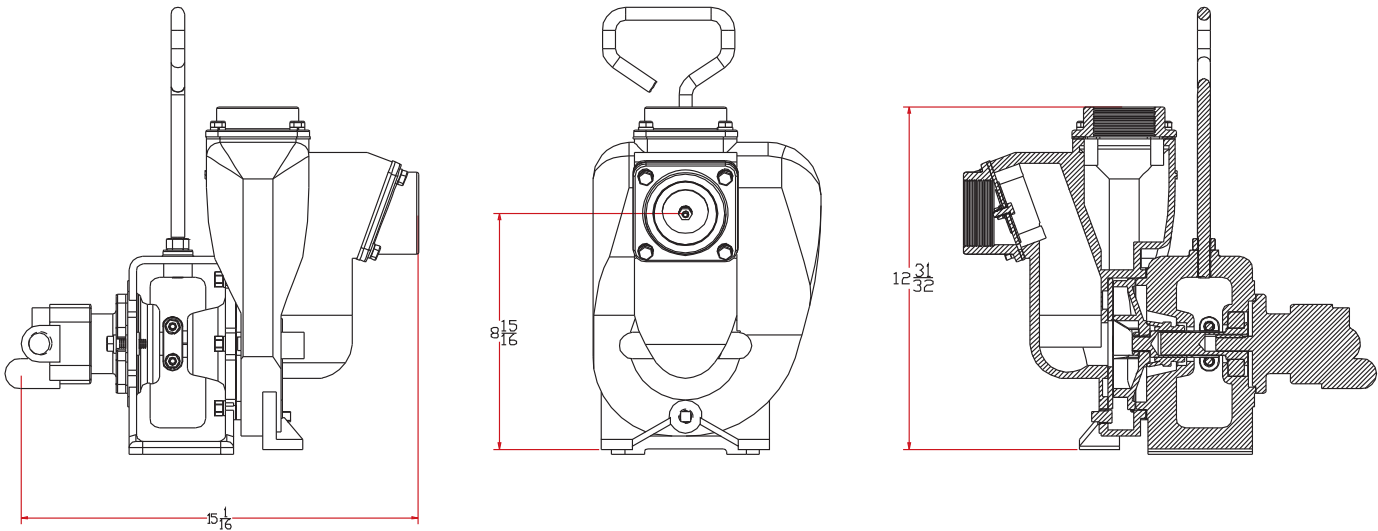
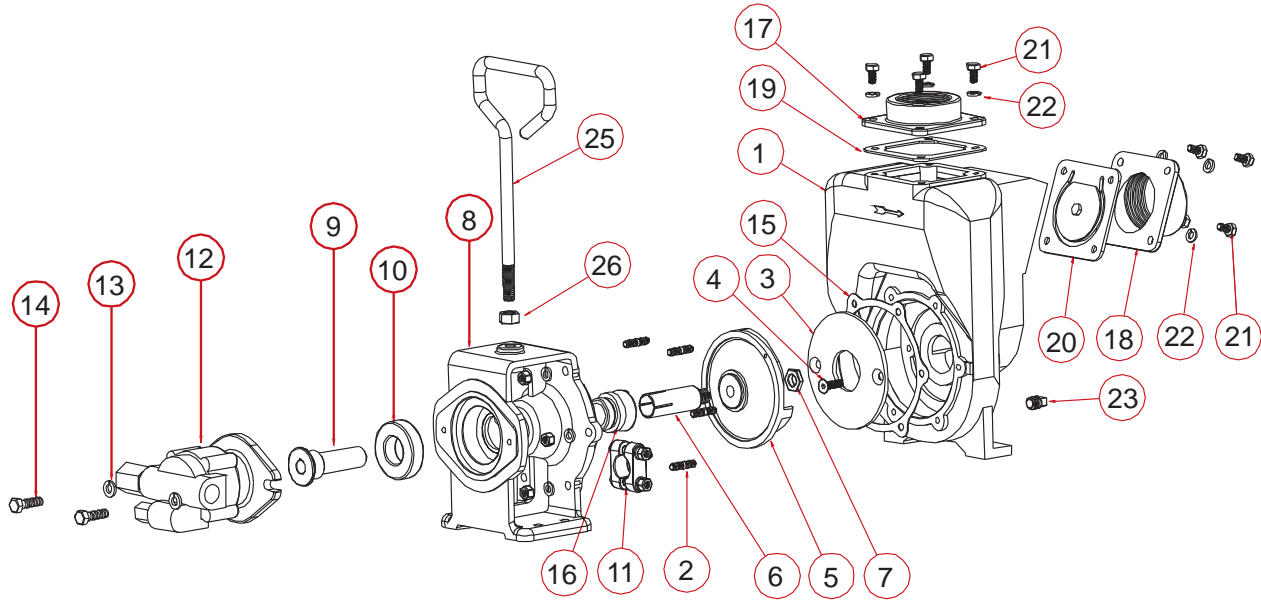
PART NO.	DESCRIPTION	SIZE	HP
200PHYSS	2" Pump with Gresen Hyd. Motor	2" x 2"	12



REPLACEMENT PARTS - 2" HYDRAULIC ADAPTER (SS)

REF. NO.	PART NO.	DESCRIPTION	QTY. PER PUMP
1	17049ASS	Hydraulic Motor Adapter (SS)	1
2	17018	Gasket Adapter	1
3	17035SS	Seal Assembly	1
N/S	17007SS	Shaft Sleeve 7/8" SS	1
N/S	12214A	Hydraulic Pedestal Bearing Shim	1
4	17056	SKF 6206-2RS1 Bearing	1
5	17055	Hydraulic Motor Adapter Shaft	1
6	HY1013	Gresen Hydraulic Motor	1
7	17059	Flat Washer	2
8	V20018	Lock Washer	2
9	18010SS	Bolt	2
10	17600ASS	Hydraulic Motor Conversion Assy.	1





REPLACEMENT PARTS 2" STAINLESS STEEL HYDRAULIC PUMP

REF. NO.	PART NO.	DESCRIPTION	QTY. PER PUMP	REF. NO.	PART NO.	DESCRIPTION	QTY. PER PUMP
1	17026SS	Pump Housing	1	16	*17035SS	Seal Assy. FKM (viton type)	1
2	17042	Pump Housing Stud	6	17	17000SS	Flange-Outlet 2"	1 (2" Only)
3	*17011SS	Wear Plate	1	18	17002SS	Flange-Inlet 20° 2"	1 (2" Only)
4	17130SS	Capscrew $\frac{5}{16}$ " - 18 x 1"	2	19	17014	FKM (viton type) Gasket	1
5	*17008SS	Impeller - 5" (Standard)	1	20	17017	FKM (viton type)-Check Valve Assy.	1
6	17007SS	Sleeve Drive $\frac{7}{8}$ "	1	21	17019	Capscrew $\frac{5}{16}$ " - 18 x $\frac{3}{4}$ "	8
7	17009B	Nut, Hex $\frac{1}{2}$ " - 13 UNC	1	22	V10118	$\frac{5}{16}$ " Split Lockwasher	14
8	17049ASS	2" Stainless Steel Hydraulic Adapter	1	23	17032SS	$\frac{1}{4}$ " Drain Plug	1 (Not Shown)
9	17055A	2" Stainless Steel Hyd.Adapter Shaft	1	24	V10119	$\frac{5}{16}$ " - 18 Hex Nut	6
10	17056	SKF 6206-2RS1 Bearing	1	25	15022	Handle	1
11	17024	$\frac{7}{8}$ " Clamp, no key	1	26	17010	Hex Nut $\frac{1}{2}$ " - 13UNF-RH	1
12	HY1013	MGG@0025BC1D3 Hyd.Motor Assy.	1	N/S	17100SS	Pump Repair Kit (Consists of items marked *)	1
13	V20018	$\frac{3}{8}$ " Lockwasher	2				
14	18010SS	$\frac{3}{8}$ " - 16 x 1.25" HHCS	2				
15	*17018	Gasket Adapter	1				

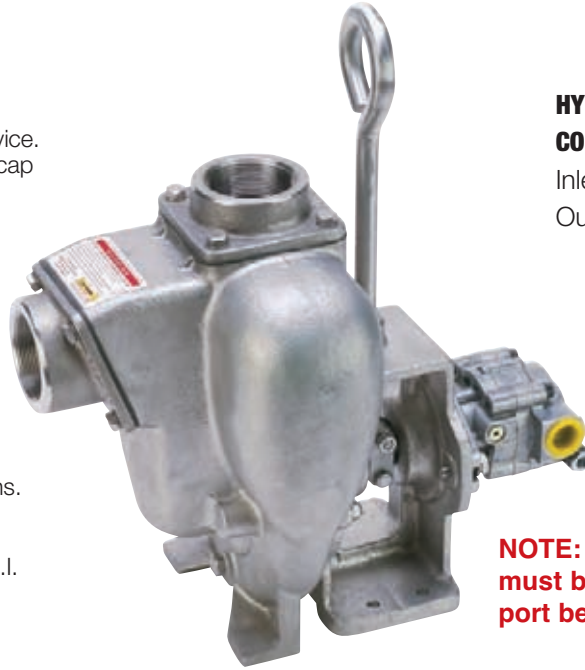
3" Hydraulic Motor Driven Stainless Steel Pumps

PUMP FEATURES

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

HYDRAULIC MOTOR

- Hydraulic fluid capacity
Minimum 8 Gallons / Maximum 15 Gallons.
- 21 H.P. Motor.
- Open system.
- Minimum 600 P.S.I. / Maximum 3000 P.S.I.



HYDRAULIC MOTOR

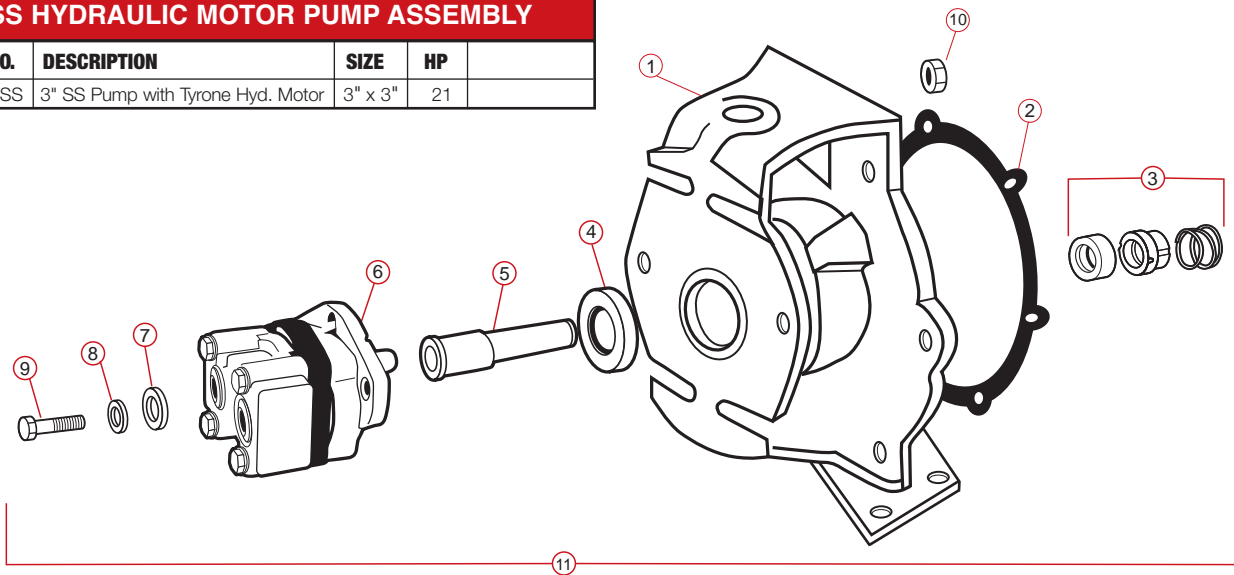
CONNECTION INFORMATION:

Inlet Port - 1 1/16" - 12UN - 2B
Outlet Port - 1 5/16" - 12UN - 2B

NOTE: The supplied check valve must be installed in the outlet port before using motor.

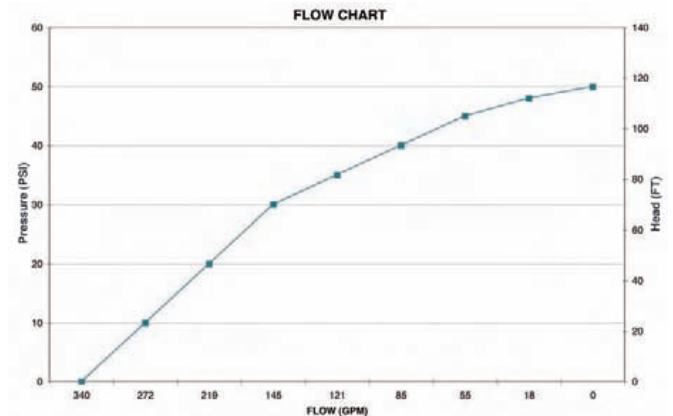
SS HYDRAULIC MOTOR PUMP ASSEMBLY

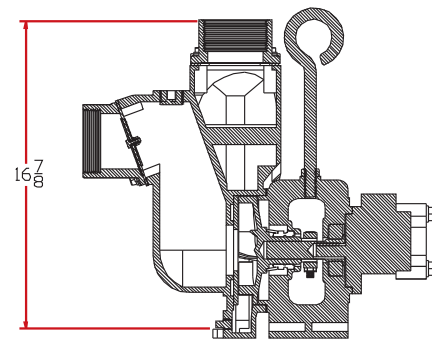
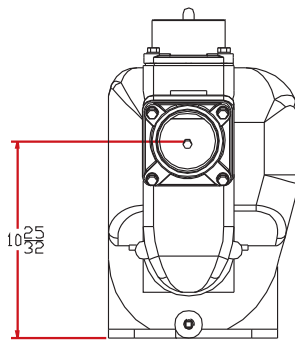
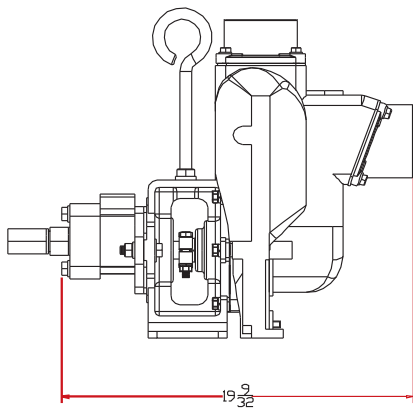
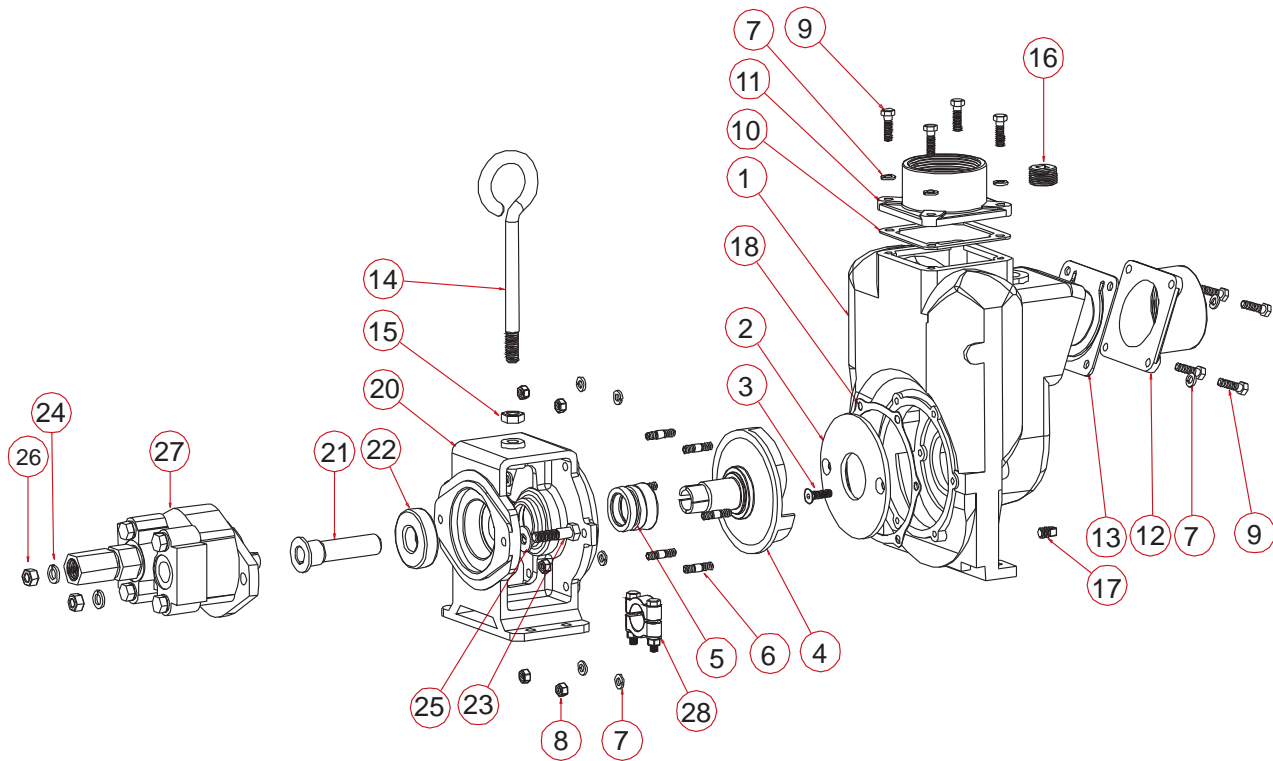
PART NO.	DESCRIPTION	SIZE	HP
300PHYSS	3" SS Pump with Tyrone Hyd. Motor	3" x 3"	21



REPLACEMENT PARTS - 3" HYDRAULIC ADAPTER

REF. NO.	PART NO.	DESCRIPTION	QTY. PER PUMP
1	18049SS	3" C-Flange Hydraulic Motor Adapter	1
2	18021	Gasket Adapter	1
3	18025SS	Seal Assembly	1
4	18502	Bearing, SKF63062RSC3VE	1
5	18055	Hydraulic Shaft Sleeve Adapter	1
6	HY1012	Tyrone UM16 Hydraulic Motor	1
7	18059	1/2" Flat Washer	2
8	18058	1/2" Split Lock Washer	2
9	18056	1/2" - 13" x 2" HHCS Bolt	2
10	17010	1/2" - 13" Full Hex Nut	2
11	18600SS	Hydraulic Motor Adapter Assy.	1





REPLACEMENT PARTS STAINLESS STEEL 3" HYDRAULIC PUMPS

REF. NO.	PART NO.	DESCRIPTION	QTY. PER PUMP	REF. NO.	PART NO.	DESCRIPTION	QTY. PER PUMP
1	18001SS	Pump Housing	1	15	18034	5/8" - 11 Hex Nut	1
2	*18004SS	Wear Plate	1	16	18002SS	1" NPT Plug	1
3	*18106SS	3/8" - 16 x 1.25" HHCS	2	17	18003SS	1/2" NPT Plug	1
4	*18023SS	Impeller & Drive Shaft	1	18	*18021	3" Pump Adapter Gasket	1
5	*18025SS	Mechanical Seal FKM (viton type)	1	20	18049SS	Hydraulic Motor Adapter	1
6	18218	Pump Housing stud	6	21	18055	Hydraulic Adapter Shaft	1
7	V20018	3/8" Split Lockwasher	14	22	18502	SKF 6306-2RS1 Bearing	1
8	V20019	3/8" - 24 Hex Nut	6	23	18056	1/2" - 13 x 2" HHCS	2
9	18010SS	3/8" - 16 x 1.25" HHCS	8	24	18058	1/2" Split washer	2
10	18044	Outlet Gasket FKM (viton type)	1	25	18059	1/2" Flat Washer	2
11	18008SS	Outlet Flange	1	26	17010	1/2" - 13 Hex Nut	2
12	18012SS	3" Inlet Flange	1	27	HY1012	UM16-45A-HX Hyd. Motor Assm.	1
13	18042	3" Inlet/Check Gasket FKM(viton type)	1	28	18029	3" Clamp Assemble, Unkeyed	1
14	18033	Pump Handle 5/8" - 11 Thread	1	N/S	18100SS	Pump Repair Kit (3") (Consists of items marked *)	1

2" WET SEAL Self-Priming Centrifugal Pump

FEATURES

- FKM (viton type) double seal contained in ethylene glycol reservoir.
- Sight tube indicator.
- Dynamically balanced impeller.
- All stainless steel hardware.
- Available in cast iron or 316 stainless steel, with bearing pedestal, gas engine or pump only.



CAUTION-WARNING:
Please do not restrict or reduce port sizes or dead head pumps. This could cause component failure to pump. NO FLAMMABLES.

Pumps available in 316 stainless steel or cast iron.



Seal reservoir
Double Seals!
Sight tube

2" WET SEAL SELF-PRIMING CENTRIFUGAL GAS DRIVEN PUMPS

PART NO.	DESCRIPTION	HP
200PIH-5W	2" x 2" Cast Iron Pump x 5.5 h.p. Honda	5.5
200PH5-SSW	2" x 2" 316 S.S. Pump x 5.5 h.p. Honda	5.5
200PI6W	2" Cast Iron Pump, 6.5 HP Intek OHV ProSeries Briggs & Stratton	6.5
200PI6SSW	2" 316 S.S. Pump, 6.5 HP Intek OHV ProSeries Briggs & Stratton	6.5

Truck Shipments Only.



POLYETHYLENE SUCTION BASKET STRAINER

PART NO.	DESCRIPTION	QTY.
150SBS	1 1/2" Female Thread Poly Basket	1 pc.
200SBS	2" Female Thread Poly Basket	1 pc.
300SBS	3" Female Thread Poly Basket	1 pc.

2" WET SEAL SELF-PRIMING CENTRIFUGAL PUMPS

PART NO.	DESCRIPTION	HP
200PBI-W	2" x 2" Cast Iron Pump with Pedestal	N/A
200PB-SSW	2" x 2" 316 S.S. Pump with Pedestal	N/A
200POI-W	2" x 2" Cast Iron Pump Only	N/A
200PO-SSW	2" x 2" 316 S.S. Pump Only	N/A

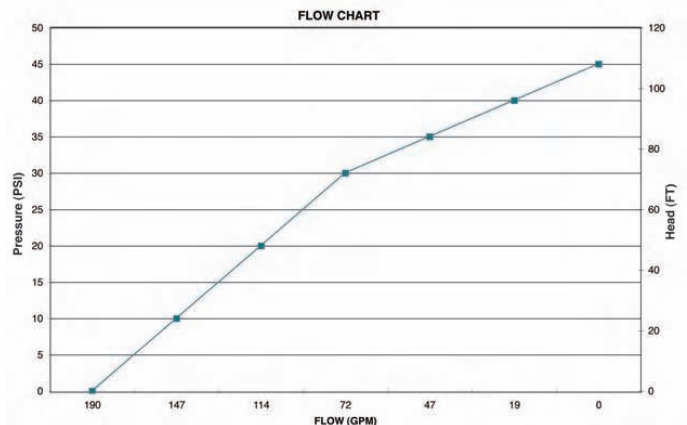
PUMPS

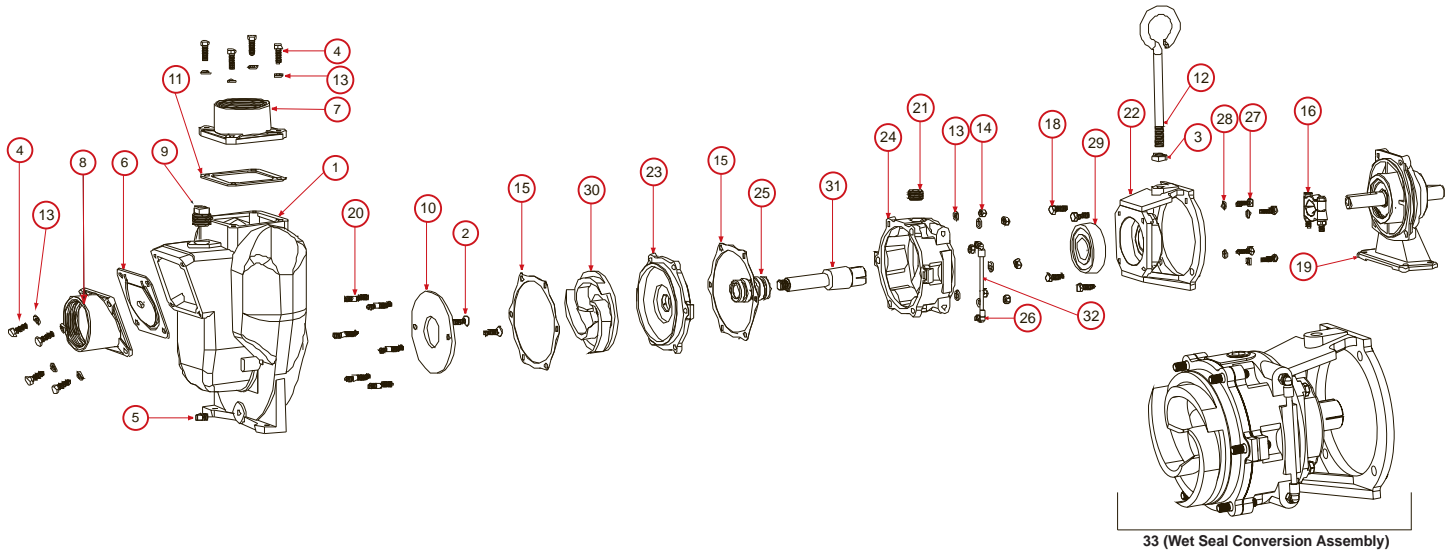


Bearing Pedestal
3/4" shaft for electric motors



Pump Only
for gas engine





REPLACEMENT PARTS – WET SEAL 2" C.I. PUMPS				
REF. NO.	PART NO.	DESCRIPTION	QTY.	
1	17026	Pump Housing	1	
2	17130*	Flat Head 82° C Screw	2	
3	17010	Nut, Hex 1/2" – 13 UNC	1	
4	17019	Capscrew 5/16" – 18 x 3/4"	12	
5	17032	Drain Plug – 1/4"	1	
6	17016	Gasket-Check Valve Assy. - EPDM	1	
7	17000	Flange-Outlet 2"	1	
8	17002	Flange-Inlet 20° 2"	1	
9	18002	Plug 1" NPT Flush	1	
10	17011*	Wear Plate	1	
11	17013	EPDM Gasket	1	
12	15022	Handle	1	
13	V10118	5/16" Lockwasher	18	
14	V10119	5/16" – 18 UNC SS Hexnut	8	
15	17018*	Gasket Adapter	2	
16	17023	Clamp 5/8", 3/4" Shaft Assy.	1	
16	17123	Clamp 5/8", 3/4" Shaft Assy. (Keyed)	1	
16	17024	Clamp 7/8" Shaft Assy.	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	Adapter, Wet Seal	1	
23	17202	Cover Plate	1	
24	17201	Reservoir	1	
25	17235*	Seal Assy. FKM (viton type)	1	
26	17211	Male Elbow – Legris 3/16"	2	
27	17019	5/16" – 18 x 3/4" Bolt	4	
28	V10118	5/16" Lockwasher	4	
29	17213*	Bearing Peer 1641 - 2RS	1	
30	17208*	Impeller	1	
31	17206*	Sleeve Drive 3/4"	1	
32	17212*	Liquid Level Tube	1	
33	17200	Wet Seal Assembly Conversion	1	
N/S	17100W	Pump Repair Kit (1 1/2" & 2") (Consists of items marked *)	1	

REPLACEMENT PARTS – WET SEAL 2" STAINLESS STEEL PUMPS				
REF. NO.	PART NO.	DESCRIPTION	QTY.	
1	17026SS	Pump Housing	1	
2	17130SS*	Flat Head 82° C'SK. Screw	2	
3	17010	Nut, Hex 1/2" – 13 UNF – RH	1	
4	17019	Capscrew 5/16" – 18 x 3/4"	8	
5	17032SS	Drain Plug – 1/4"	1	
6	17017	Gasket & Flap FKM (viton type)	1	
7	17000SS	Flange – Outlet 2"	1	
8	17002SS	Flange – Inlet 20° 2"	1	
9	18002	Plug 1" NPT Flush	1	
10	17011SS*	Plate – Wear	1	
11	17014	Gasket – Outlet FKM (viton type)	1	
12	15022	Handle	1	
13	V10118	5/16" Lockwasher	18	
14	V10119	5/16" – 18 UNC SS Hexnut	8	
15	17018*	Gasket Adapter	2	
16	17023	Clamp 5/8", 3/4" Shaft Assy.	1	
16	17123	Clamp 5/8", 3/4" Shaft Assy. (Keyed)	1	
16	17024	Clamp 7/8" Shaft Assy.	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	Adapter, Wet Seal	1	
23	17202SS	Cover Plate	1	
24	17201	Reservoir	1	
25	17235*	Seal Assy. FKM (viton type)	1	
26	17211	Male Elbow – Legris 3/16"	2	
27	17019	5/16" – 18 x 3/4" Bolt	4	
28	V10118	5/16" Lockwasher	4	
29	17213*	Bearing Peer 1641 - 2RS	1	
30	17208SS*	Impeller	1	
31	17206*	Sleeve – Drive 3/4"	1	
32	17212*	Liquid Level Tube	1	
33	17200SS	Wet Seal Assembly Conversion	1	
N/S	17100WSS	Pump Repair Kit (1 1/2" & 2") (Consists of items marked *)	1	

3" WET SEAL Self-Priming Centrifugal Pump

FEATURES

- FKM (viton type) double seal contained in ethylene glycol reservoir.
- Sight tube indicator.
- Dynamically balanced impeller.
- All stainless steel hardware.
- Available in cast iron or 316 stainless steel, with bearing pedestal, gas engine or pump only.

Pumps available in 316 stainless steel or cast iron

CAUTION-WARNING:

Please do not restrict or reduce port sizes or dead head pumps. This could cause component failure to pump. **NO FLAMMABLES.**



Seal reservoir
Sight tube
Double Seals!

3" WET SEAL SELF-PRIMING CENTRIFUGAL GAS DRIVEN PUMPS

PART NO.	DESCRIPTION	HP
300PIH-11W*	3" x 3" Cast Iron Pump x 11 h.p. Honda	11
300PIH13W*	3" x 3" Cast Iron Pump x 13 h.p. Honda	13
300PH-11SSW*	3" x 3" 316 S.S. Pump x 11 h.p. Honda	11
300PH-13SSW*	3" x 3" 316 S.S. Pump x 13 h.p. Honda	13

*Truck shipments only.



Bearing Pedestal
1" shaft for electric motors

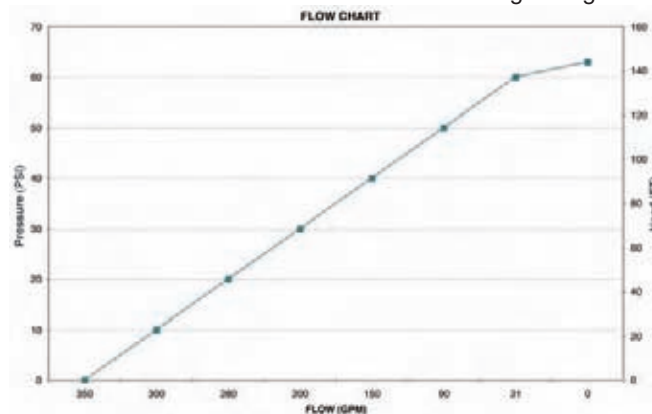


Pump Only
for gas engine

3" WET SEAL SELF-PRIMING CENTRIFUGAL PUMPS

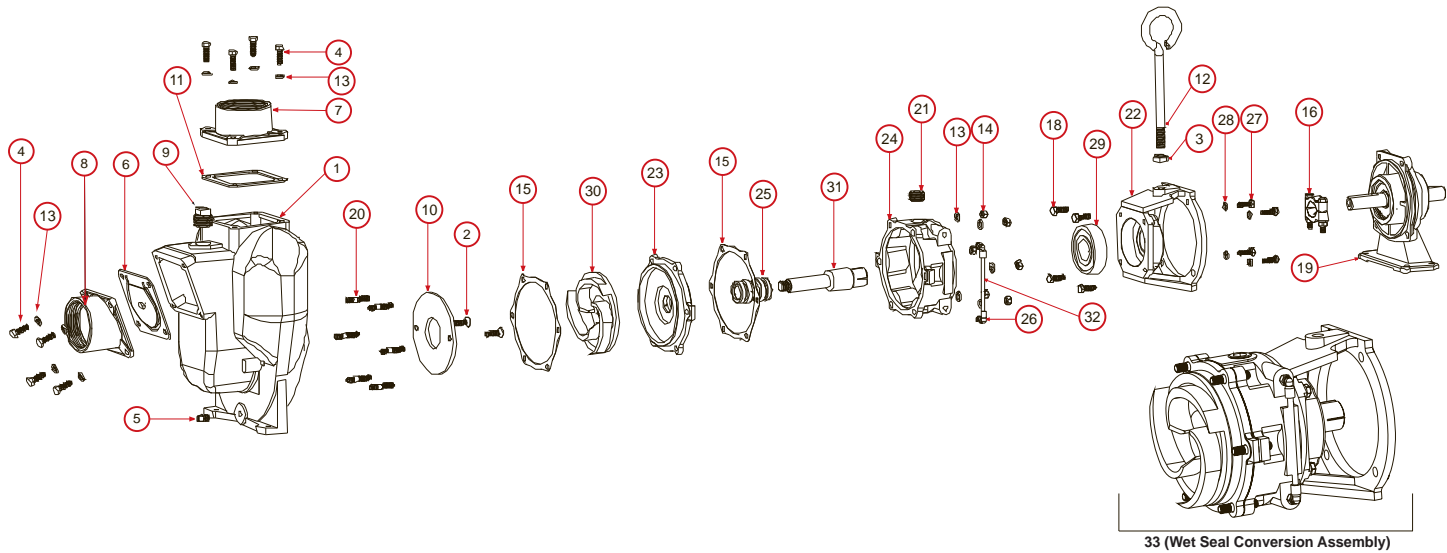
PART NO.	DESCRIPTION	HP
300PBI-W*	3" x 3" Cast Iron Pump with Pedestal	N/A
300PB-SSW*	3" x 3" 316 S.S. Pump with Pedestal	N/A
300POI-W*	3" x 3" Cast Iron Pump Only*	N/A
300PO-SSW*	3" x 3" 316 S.S. Pump Only	N/A

*Truck Shipments Only.



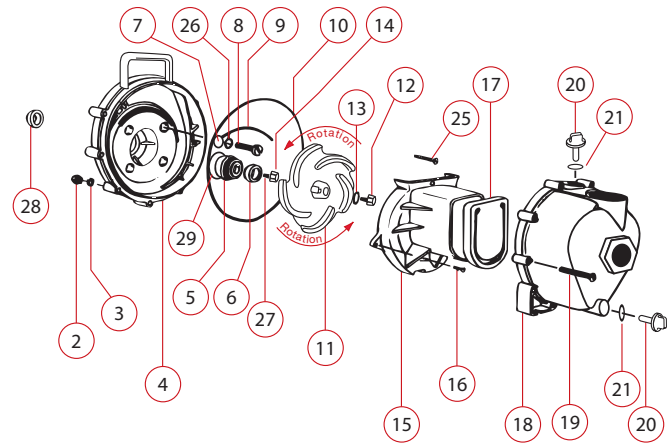
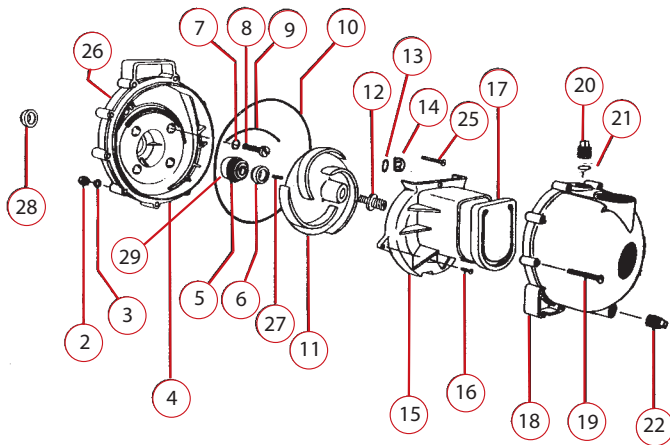
PUMPS





REPLACEMENT PARTS – WET SEAL 3" C.I. PUMPS			
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	18001	Pump Housing	1
2	18106*	Flat Head Socket Cap Screw	2
3	18034	Nut, Jam ⁵ / ₈ " – 11 Thread. S.S.	1
4	18010SS	HHCS ³ / ₈ " – 16 x 1 ¹ / ₈	8
5	18003	Drain Plug ¹ / ₂ " NPT	1
6	18013	Gasket – Check Valve Assy. EPDM	1
7	18008	Flange – Outlet 3"	1
8	18012	Flange – Inlet 3"	1
9	18002	Plug 1" NPT Flush	1
10	18004*	Plate – Wear	1
11	18009	Gasket – Outlet EPDM	1
12	18033	Handle	1
13	V20018	Lock Washer ³ / ₈ "	14
14	V20019	³ / ₈ " Hex Nut	6
15	18021*	Gasket – Adapter	2
16	18029	Clamp Assy.	1
16	18129	Clamp Assy. (Keyed Clamp)	1
18	17704	³ / ₈ " - 16 X 1 ¹ / ₄ " HHCS	4
19	18500	Bearing Pedestal	1
20	18218	Stud, 3" Wet Seal	6
21	18205	Fill Plug, 3" Wet Seal	1
22	18203	Adapter, 3" Wet Seal	1
23	18202	Cover Pplate, 3" Wet Seal	1
24	18201	Reservoir, 3" Wet Seal	1
25	17235*	Seal Assy. FKM (viton type)	1
26	17211	Male Elbow, Legris ³ / ₁₆ "	2
27	17040	HHCS ⁵ / ₁₆ " – 24 x ³ / ₄ "	4
28	V10118	⁵ / ₁₆ " Lock Washer	4
29	18204*	Bearing Peer 6308-2RS	1
30	18223*	Impeller, 3" Wet Seal	1
31	18222*	Shaft, 3" Wet Seal	1
32	17212*	Liquid Level Tube (5")	1
33	18200	3" Wet Seal Conversion Assembly	1
N/S	18100W	3" C.I. Wet Seal Pump Repair Kit (Consists of items marked *)	1

REPLACEMENT PARTS – WET SEAL 3" SS PUMPS			
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	18001SS	SS Pump Housing	1
2	18106SS*	Flat Head Socket Cap Screw S.S.	2
3	18034	Nut, Jam ⁵ / ₈ " – 11 Thread. S.S.	1
4	18010SS	HHCS ³ / ₈ " – 16 x 1 ¹ / ₈	8
5	18003SS	Drain Plug ¹ / ₂ " NPTSS	1
6	18042	Gasket–Check Valve Assy.FKM(viton type)	1
7	18008SS	Flange – Outlet 3"	1
8	18012SS	Flange – Inlet 3"	1
9	18002SS	Plug 1" NPT Flush	1
10	18004SS*	Plate – Wear	1
11	18044	Gasket – Outlet FKM (viton type)	1
12	18033	Handle	1
13	V20018	Lock Washer ³ / ₈ "	14
14	V20019	³ / ₈ " Hex Nut	6
15	18021*	Gasket – Adapter	2
16	18029	Clamp Assy.	1
16	18129	Clamp Assy. (Keyed Clamp)	1
18	17704	³ / ₈ " - 16 X 1 ¹ / ₄ " HHCS	4
19	18500	Bearing Pedestal	1
20	18218	Stud, 3" Wet Seal	6
21	18205	Fill Plug, 3" Wet Seal	1
22	18203	Adapter, 3" Wet Seal	1
23	18202SS	Cover Plate, 3" Wet Seal SS	1
24	18201	Reservoir, 3" Wet Seal	1
25	17235*	Seal Assy. FKM (viton type)	1
26	17211	Male Elbow, Legris ³ / ₁₆ "	2
27	17040	HHCS ⁵ / ₁₆ " – 24 x ³ / ₄ "	4
28	V10118	⁵ / ₁₆ " Lock Washer	4
29	18204*	Bearing Peer 6308-2RS	1
30	18223*	Impeller, 3" Wet Seal SS	1
31	18222*	Shaft, 3" Wet Seal	1
32	17212*	Liquid Level Tube (5")	1
33	18200SS	3" Wet Seal Conversion Assembly	1
N/S	18100WSS	3" C.I. Wet Seal Pump Repair Kit (Consists of items marked *)	1



**REPLACEMENT PARTS - POLY PUMP
MANUFACTURED PRIOR TO SEPT. 1996**

REF. NO.	DESCRIPTION	PER PUMP	PART	
			1 1/2"	2"
2	Body Nuts	10	V07019	V07019
3	Lock Washer	10	V07018	V07018
4	Rear Bracket	1	12703	12703
5&6	Seal Assembly*+	1	12713	12713
7	O-Ring for Screw Heads*+	4	12717	12717
8	Bracket Screws	4	12715	12715
9	O-Ring Segment*+	1	12754	12754
10	Body "O" Ring*+	1	12719A	12719A
11	Impeller+	1	12771	12771
12	Impeller Stud	1	12765	12765
13	O-Ring Acorn Nut*+	1	12774V	12774V
14	Acorn Nut	1	12775	12775
15	Volute	1	12702	12702
16	Volute Screws	2	12725	12725
17	Check Valve+	1	12705	12705
18	Body	1	12711A	12712A
19	Body Screws	10	12720	12720
20	Prime Plug	1	12777	12777
21	O-Ring Prime Plug*+	1	12722	12722
22	Drain Plug	1	12723	12723
25	Upper Volute Screw	1	12900	12900
26	1/4" S.S. Washer	4	12901	12901
27	Impeller Key	1	12902	12902
28	Slinger O-Ring*+	3	12722	12722
29	Seal O-Ring*+	1	12710	12710
N/S	Complete Pedestal Assy.	1	12882A	12882A
	Pump Repair Kit (Items Marked With +)	1	12000	12000
	Pump Seal/O-Ring Kit (Items Marked With *)	1	12999	12999

**REPLACEMENT PARTS -
FKM (viton type) NEW DESIGN**

REF. NO.	PART NO.	DESCRIPTION	QTY.
5&6	12713V	FKM (viton type) Seal Assy. with 316 SS Cup & Spring	1
7	12717V	FKM (viton type) O-Ring For Screw Head	4
9	12754V	FKM (viton type) O-Ring Segment	1
10	12719AV	FKM (viton type) Body O-Ring	1
13	12774VA	FKM (viton type) O-Ring For Acorn Nut	1
17	12705V	FKM (viton type) Check Valve	1
21	UV15163V	Prime Plug O-Ring FKM (viton type)	1
29	12710V	FKM (viton type) O-Ring For Seal Assy.	1
	12000AV	1 1/2" & 2" FKM (viton type) Repair Kit	1
	13000V	3" FKM (viton type) Repair Kit	1
	12999AV	1 1/2" & 2" FKM (viton type) Pump Seal/O-Ring Kit	1
	13999V	3" FKM (viton type) Pump Seal/O-Ring Kit	1



UNIVERSAL BASE PLATE ASSEMBLY

PART NO.	DESCRIPTION	QTY.
18700	Base Plate Assembly (Plate, Coupling Guard, Bolt Bag And Shims (Fits 1 1/2", 2" And 3" Cast Iron or Poly Pump))	1 pc.
18702	Replacement Coupling Guard	1 pc.

POLYETHYLENE SUCTION BASKET STRAINER



PART NO.	DESCRIPTION	QTY.
150SBS	1 1/2" Female Thread Poly Basket	1 pc.
200SBS	2" Female Thread Poly Basket	1 pc.
300SBS	3" Female Thread Poly Basket	1 pc.

Engine Reference

Banjo Part Number	E3	E8PRO
Manufacturer	Briggs & Stratton	Briggs & Stratton
Mfg. Model Number	91200	192400
Rated HP	3.5 hp @ 3600	8.0 hp @ 3600
Rated Torque	4.9 ft-lbs @ 2800	12.7 ft-lbs @2600
Shaft Size	3/4" dia. w/ 3/16" keyway	1" dia. w/ 1/4" keyway
Shaft ID Thread	5/16"- 24 UNF 2B	3/8"- 24 UNF 2B
Engine Oil Required	Synthetic 5W30	Above 40°F: 30W Below 40°F: Syn.5W30
Engine Oil Capacity	21 oz.	44 oz.
Fuel Req. (min.octane)	77	77
Fuel Tank Capacity	.50 gallon	1 gallon
Oil Alert	N	N
Electric Start	N	N
OHV	N	N

For Engine Warranty Service Contact:



**Briggs and Stratton: (414) 259-5262 or
www.briggsandstratton.com**



**Honda: (800) 426-7701 or
www.honda.com**

Banjo Part Number	E8-075	E5H	E5HE
Manufacturer	Briggs & Stratton	Honda	Honda
Mfg. Model Number	192400	GX160	GX160
Rated HP	8.0 hp @ 3600	5.4 hp @ 3600	5.4 hp @ 3600
Rated Torque	12.7 ft-lbs @ 2600	8.0 ft-lbs @2500	8.0 ft-lbs @2500
Shaft Size	3/4" dia. w/ 3/16" keyway	3/4" dia. w/ 3/16" keyway	3/4" dia. w/ 3/16" keyway
Shaft ID Thread	5/16"- 24 UNF 2B	5/16"- 24 UNF 2B	5/16"- 24 UNF 2B
Engine Oil Required	Above 40°F: 30W Below 40°F: Syn.5W30	10W30	10W30
Engine Oil Capacity	44 oz.	.63 qt.	.63 qt.
Fuel Req. (min.octane)	77	86	86
Fuel Tank Capacity	1 gallon	.95 gallon	.95 gallon
Oil Alert	N	Y	Y
Electric Start	N	N	Y
OHV	N	Y	Y

Banjo Part Number	E6H	E8H	E11H	E13H
Manufacturer	Honda	Honda	Honda	Honda
Mfg. Model Number	GX200	GX240	GX340	GX390
Rated HP	6.4 hp @ 3600	8.0 hp @ 3600	11.0 hp @ 3600	13.0 hp @ 3600
Rated Torque	7.76 ft-lbs @ 2600	12.3 ft-lbs @2500	17.4 ft-lbs @2500	19.5 ft-lbs @2500
Shaft Size	3/4" dia. w/ 3/16" keyway	1" dia. w/ 1/4" keyway	1" dia. w/ 1/4" keyway	1" dia. w/ 1/4" keyway
Shaft ID Thread	5/16"- 24 UNF 2B	3/8"- 24 UNF 2B	3/8"- 24 UNF 2B	3/8"- 24 UNF 2B
Engine Oil Required	10W30	10W30	10W30	10W30
Engine Oil Capacity	.63 qt.	1.16 qt.	1.16 qt.	1.16 qt.
Fuel Req. (min.octane)	86	86	86	86
Fuel Tank Capacity	.95 gallon	1.59 gallon	1.72 gallon	1.72 gallon
Oil Alert	Y	Y	Y	Y
Electric Start	N	Y	Y	Y
OHV	Y	Y	Y	Y

Banjo Part Number	BEM3	BEM5	BEM51	BEM7	BEM10
Manufacturer	Baldor	Baldor	Baldor	Baldor	Baldor
Mfg. Model Number	CM3559T	CM3613T	CL3608TM	CM3616T	CM3711T
Rated HP	3 hp	5 hp	5 hp	7.5 hp	10 hp
Shaft Size	7/8"	1 1/8"	1 1/8"	1 1/8"	1 1/8"
Description	TEFC	TEFC	TEFC	TEFC	TEFC
Phase	3	3	1	3	3
RPM @ 60 HZ	3450	3450	3450	3450	3450
Nema Frame Size	145TC	184TC	184TC	184TC	215TC
Voltage	208-230/460	208-230/460	230	208-230/460	208-230/460
Eff @ Full Load	85.5	87.5	83	88.5	88.5

Banjo Part Number	BEM3	BEM5	BEM7	BEM10
Manufacturer	Marathon	Marathon	Marathon	Marathon
Mfg. Model Number	C236	C385	C238	C392
Rated HP	3 hp	5 hp	7.5 hp	10 hp
Shaft Size	7/8"	1 1/8"	1 1/8"	1 1/8"
Description	TEFC	TEFC	TEFC	TEFC
Phase	3	3	3	3
RPM @ 60 HZ	3450	3450	3450	3450
Nema Frame Size	145TC	184TC	184TC	215TC
Voltage	208-230/460	208-230/460	208-230/460	208-230/460
Eff @ Full Load	85.5	87.5	88.5	88.5

Tank Wall Guide for Banjo Tank Fittings

PART NO.	DESCRIPTION	MAX TANK WALL THICKNESS	AVAILABILITY
BF075	3/4" Blind Hole Tank Flange	.250	Stock
BF075BD	3/4" x 1" Btm Drn Thread Flanged-EPDM	.250	Stock
BF075BDV	3/4" x 1" Btm Drn Thread Flanged -FKM	.250	Stock
BF075V	3/4" Bolted Tank Flange-FKM	.250	Stock
BF100	1" Blind Hole Bolted Tank Flng	.250	Stock
BF100BD	1" x 1" Btm Drn Thread Flanged-EPDM	.250	Stock
BF100BDV	1" x 1" Btm Drn Thread Flanged-FKM	.250	Stock
BF100V	1" Bolted Tank Flange-FKM	.250	Stock
BF125	1-1/4" Bolted Tank Flange	.250	Stock
BF125BD	1-1/4" x 1" Thread Flanged Btm Dr-EPDM	.270	Stock
BF125BDV	1-1/4" x 1" Thread Flanged Btm Dr-FKM	.270	Stock
BF150	1-1/2" Bolted Tank Flange	.280	Stock
BF150BD	1-1/2" x 2" Thread Flanged Btm Dr-EPDM	.220	Stock
BF150BDV	1-1/2" x 2" Thread Flanged Btm Dr-FKM	.220	Stock
BF150V	1-1/2" Bolted Tank Flange-FKM	.280	Stock
BF200	2" Blind Hole Bolted Tank Flange	.280	Stock
BF200BD	2" x 2" Thread Flng Btm Dr-EPDM	.220	Stock
BF200BDV	2" x 2" Thread Flng Btm Dr-FKM	.220	Stock
BF205BD	2" BD Fitting w/ 3-1/4" Bolts	.750	Non-Stock (1-2 week delivery)
BF220	2" Full Port Bolted Tank Flange	.250	Stock
BF220BD	2" x 2" Thread Full Port Flanged-EPDM	.250	Stock
BF220BDV	2" x 2" Thread Full Port Flanged-FKM	.250	Stock
BF220V	2" FP Bolted Tank Flange-FKM	.250	Stock
BF222BD	2" FP Bolted Flng w/3-1/4" Bolt	.750	Non-Stock (1-2 week delivery)
BF223	2" FP Bolted Tank Flng 3" Bolts	1.000	Non-Stock (1-2 week delivery)
BF223BD	2" x 2" Thread Flng-3" All Thread Bolt	1.060	Non-Stock (1-2 week delivery)
BF230	2" Blt Flng-3" All Thread Bolts	1.060	Non-Stock (1-2 week delivery)
BF235	2" Blt Flng-3-1/2" All Thread Bolt	1.310	Non-Stock (1-2 week delivery)
BF235BD	2" Btm Drain Flng w/3-1/2" Bolts	1.000	Non-Stock (1-2 week delivery)
BF300	3" x 3" Threaded Bolted Tank Flanged	.500	Stock
BF300BD	3" x 3" Thread Flng Btm Dr-EPDM	.500	Stock
BF300BDV	3" x 3" Thread Flng Btm Dr-FKM	.500	Stock
BF300V	3" Bolted Tank Flange-FKM	.500	Stock
BF330	3" Bolted Tank Flng-3" All Thread Blt	.750	Non-Stock (1-2 week delivery)
BF335	3" Bolted Tank Flng-3-1/2" All Thread Blt	1.250	Non-Stock (1-2 week delivery)
BF335BD	3" Bolted Flng BD-3-1/2" Blt	.750	Non-Stock (1-2 week delivery)
MBF100	1" Bolted Manifold Tank Flanged 2-1/4" Blt	.280	Stock
MBF100BD	1" Bolted Tank Flanged-Btm Dr -EPDM	.280	Stock
MBF100BDV	1" Bolted Tank Flanged-Btm Dr -FKM	.280	Stock
MBF100V	1" Flng x 1-1/2" FPT-FKM	.280	Stock
MBF105	1" Bolted Manifold Tank Flanged 2-3/4" Blt	.750	Non-Stock (1-2 week delivery)
MBF106	1" Bolted Manifold Tank Flanged 3-1/4" Blt	.750	Non-Stock (1-2 week delivery)
MBF200	2" Manifold Tank Flange 2-1/2" Blt	.210	Stock
MBF200BD	2" Manifold Flng Btm Drn Tank Fitting	.500	Stock
MBF200V	2" Std Prt Flng x 2" Female Thread-vit	.210	Stock
MBF205BD	2" Flanged BD Tank Ftng w/3-1/4" Blt	.650	Non-Stock (1-2 week delivery)
MBF220	2" FP Manifold Tank Flanged 2-1/2" Blts	.320	Stock
MBF220BD	2" FP Manifold Flng Btm Drn-EPDM	.550	Stock
MBF220BDV	2" FP Manifold Flng Btm Drn-FKM	.550	Stock
MBF222	2" FP Manifold Tank Flanged w/3.25" Blts	1.050	Non-Stock (1-2 week delivery)
MBF222BD	2" FP BD Bolted Flng w/3-1/4" Blt	1.050	Non-Stock (1-2 week delivery)
MBF223	2" FP Manifold Blt Tank Flanged 3" Blts	.800	Non-Stock (1-2 week delivery)
MBF235	2" Manifold Tank Flanged 3-1/2" Blt	1.320	Non-Stock (1-2 week delivery)
MBF300	3" Flanged x Female Thread-EPDM	.500	Stock
MBF300BD	3" Flanged x 3" Female Thread-EPDM	.500	Stock
MBF300BDV	3" Flanged x 3" Female Thread-FKM	.500	Stock
MBF335	3" Blt MFlng 3-1/2" All Thread Blt	1.250	Non-Stock (1-2 week delivery)
MBF335BD	3" Blt MFlng 3-1/4" All Thread Blt	.500	Non-Stock (1-2 week delivery)

PART WEIGHT REFERENCE

12000	.75
12046	
12048	
12051	
12099	.03
12702	1.07
12703	
12705	.25
12710	.01
12713	.11
12715	
12716	.02
12717	.01
12720	.03
12722	.01
12723	.02
12725	.02
12754	.01
12765	.03
12771	.25
12772	.01
12775	.02
12777	.02
12884	.03
12900	.02
12901	.01
12902	
12999	.32
13000	.75
13702	1.38
13712	
13765	.03
13771	.15
13777	.03
13778	.02
13999	.25
15000	2.07
15022	
15702	
15703	
15712	
15751	.02
15772	1.48
15999	
16000	5.00
16001	
16002	
16003	5.45
16011	.02
16019	
16099	
16100	
16101	
16702	
16703	
16704	
16706	.77
16707	
16710	.01
16712	
16713	
16733	
16743	
16751	
16752	
16765	
16772	
16773	
16774	
16901	
17000	1.45
17001	1.38
17002	1.82
17003	1.70
17004	6.50
17005	.35
17006	.25
17007	.24
17008	
17010	.04
17011	.85
17013	
17014	
17016	
17017	.25
17018	.01
17019	.02
17022	.70
17023	.32

17024	.32
17025	
17026	29.30
17027	.03
17028	.16
17029	4.25
17032	.05
17033	
17034	.02
17035	.18
17040	.03
17042	.03
17046	7.40
17055	.38
17056	.43
17059	
17100	4.00
17123	.32
17130	.03
17200	
17201	
17202	
17206	.82
17208	2.00
17210	.06
17211	.25
17212	.02
17213	.23
17235	.35
17242	.25
17406	.38
17408	
17446	
17449	
17701	
17700	
17704	
18001	65.65
18002	.25
18003	.07
18004	1.53
18005	.01
18007	.01
18008	4.30
18009	.03
18012	3.15
18013	
18018	.07
18021	.01
18023	4.35
18025	.25
18026	9.60
18027	.09
18029	.63
18030	.07
18032	.03
18033	1.25
18034	.05
18035	
18042	.50
18044	.02
18048	
18049	20.60
18055	.75
18056	
18058	
18059	
18100	7.20
18106	
18129	
18200	
18201	
18202	
18203	
18204	1.32
18205	
18218	
18222	
18223	
18435	
18500	
18502	.75
18504	1.82
18511	
18512	
18600	
18700	3.00
18702	3.04
050C	.15

050D	.16
050E	.06
050F	.06
075ASS	.28
075BSS	.50
075C	.15
075CAP	.13
075CAP/SS	.49
075CAPFD	.13
075CFD	.56
075CSS	.56
075D	.16
075D3/8	.17
075DFD	.51
075DSS	.51
075E	.06
075EFD	.06
075ESS	.43
075F	.06
075FFD	.06
075FSS	.37
075GXT	.01
075MPT	.01
075MPTL	.02
075PL/SS	.18
100125CAP	.27
100125CAPFD	.26
100125PL	.07
100125PLFD	.29
100A	.09
100AFD	.10
100ASS	.41
100B	.29
100BFD	.25
100BSS	.70
100C	.27
100CAPFD	
100CAP/SS	.67
100CFD	.27
100CSS	.73
100D	.31
100DFD	.31
100DSS	.75
100E	.10
100EFD	.10
100ESS	.58
100F	.11
100FFD	.11
100FSS	.58
100G	.20
100GB	1.20
100GV	.20
100GW	
100GXT	.01
100K	.12
100P	.15
100PLFD	
100PL/SS	.30
100RING	.12
12000A	.75
12000AV	.90
12003A	.75
12003VAT	
12005VAT	
12049B	8.00
12055B	.50
12213A	.25
12214A	
125A	.11
125B	.31
125C	.30
125D	.32
125E	.12
125F	.11
12600B	
12702A	1.13
12703A	2.07
12705V	.11
12710V	.01
12713V	.11
12715A	.04
12715AT	
12717V	.01
12719A	.03
12765A	.05
12765AT	
12771A	.23
1277AV	
12774VA	.01

12775A	.03
12882A	
12882R	6.13
12883B	.20
12883R	.88
12900T	
12901T	
12902A	.05
12999A	.25
12999AV	
13000V	.90
13999V	.35
150(200)K	.19
15000V	2.23
150125A	.20
150125B	.26
150125C	.27
150125D	.31
150125E	.18
150125F	.18
150A	.18
150A90	.30
150AFD	.19
150ASS	.74
150B	.57
150BFD	1.38
150BSS	1.39
150C	.62
150C90	.57
150CAP	.51
150CAP/SS	1.28
150CAPFD	.54
150CFD	1.54
150CSS	1.55
150D	.56
150D90	.64
150DFD	.59
150DSS	1.54
150E	.22
150EFD	.20
150ESS	1.42
150F	.22
150F90	.27
150FFD	.22
150FSS	1.42
150G	.30
150GB	.04
150GFD	
150GV	.30
150GXT	.02
150GXTV	40.00
150P-3	40.00
150P-3-V	16.00
150PB	52.00
150PBI	
150PB-V	16.00
150PEO	81.00
150PI-3	81.00
150PIHY	.14
150PL	.16
150PL/SS	.76
150PLFD	9.00
150PO	47.00
150POI	47.00
150POICF5/8	47.00
150POICF7/8	47.00
150PO-V	9.00
150RING	.25
150SBS	.25
15999V	
17000SS	1.57
17002SS	2.32
17004SS	7.00
17005SS	
17006SS	.25
17007SS	.23
17008-4.1	
17008-4.1SS	
17008-4.6	1.90
17008-4.6SS	1.88
17008SS	2.00
17009B	.02
17011SS	.82
17026SS	.53
17032SS	.25
17035SD	.13
17035SS	.18
17046SS	8.80
17049A	

R E F E R E N C E

17049ASS	
17055A	
17100SS	
17100W	5.00
17100WSS	
17130SS	.02
17200SS	
17202SS	
17208SS	
17203A	
17408SS	2.00
17446SS	
17600A	
17600ASS	
18001SS	
18002SS	
18003SS	
18004SS	1.65
18008SS	
18010SS	.07
18012SS	4.35
18023-1.125	4.07
18023-1.125SS	4.25
18023SS	4.32
18025SD	.32
18025SS	.25
18026SS	
18048SS	
18049SS	
18100SS	
18100W	9.20
18100WSS	
18106SS	.02
18200SS	
18202SS	
18600SS	
200150C	.67
200A	.30
200A90	.35
200ABT	.31
200AFD	.31
200ASS	.94
200B	.64
200BFD	.60
200BSS	1.84
200C	.69
200C90	.78
200CAP	.60
200CAP/SS	1.70
200CAPFD	.60
200CAPSH	.57
200CAPSHFD	.50
200CFD	.70
200CSS	2.38
200D	.66
200D90	.88
200DFD	.66
200DSS	2.1
200E	.31
200EFD	.29
200ESS	1.95
200F	.31
200F45	.43
200F90	.43
200FF	
200FFD	.29
200FPT	.05
200FSS	1.55
200G	.30
200GB	1.30
200GFD	.02
200GV	.30
200GXT	.03
200GXTV	.07
200KL	.25
200MPT	.07
200P	.17
200P-3	40.00
200P-3-V	40.00
200P-5-V	45.00
200P6PRO	
200P6PROVA	
200P6PROSS	
200PB	18.00
200PBI	52.00
200PBI-W	65.00
200PB-SS	52.00
200PB-SSW	65.00
200PB-V	18.00

200PB-VA	18.00
200PEO	
200PH-5	50.00
200PH-5E	
200PH5-SSW	94.00
200PH-5V	50.00
200PHY	25.00
200PHYSS	
200PI-3	81.00
200PI6PRO	90.00
200PIH-5	87.00
200PIH-5W	95.00
200PIH5E	
200PIHY	
200PKL	.06
200PL	.21
200PL/SS	.99
200PLFD	
200PO	9.00
200POI	47.00
200POICF5/8	47.00
200POICF7/8	47.00
200POI-W	60.00
200PO-SS	47.00
200PO-SSW	47.00
200POSSCF5/8	47.00
200POSSCF7/8	90.00
200PO-V	9.00
200SBS	.25
201FPT	.03
202CAP	.26
205PB	16.00
205PB-V	16.00
205PB-VA	
205PO	9.00
205PO-V	9.00
222PBI	70.00
222PI6PRO	110.00
222PIE5	
222PIE51	
222PIH5	100.00
222PIH5E	110.00
222PIH6	110.00
222PIHY	
222POI	60.00
225POI	60.00
230MPT	.07
234PE3SS	145.00
234PE51SS	180.00
234PE5SS	170.00
234PIE3	145.00
234PIE5	170.00
234PIE51	180.00
234POI	
234PPE51V	123.00
234PPE5V	123.00
234PPE5VA	
250CAP	.68
250G	.35
250GV	.35
250PL	.42
260MPT	.06
300A	.48
300AFD	.49
300ASS	1.99
300B	1.17
300BFD	1.13
300BSS	3.94
300C	1.40
300CAP	1.07
300CAP/SS	3.39
300CAPFD	.54
300CFD	1.32
300CSS	5.06
300D	1.19
300DFD	1.07
300DSS	4.29
300E	.78
300EFD	.78
300ESS	4.67
300F	.57
300FFD	.57
300FSS	3.81
300G	.60
300GB	1.10
300GFD	.05
300GV	.60
300GVXT	.07
300GXT	.08

300K	.31
300K6	.23
300MP	.03
300P	.12
300P6VAN	50.00
300P8PRO	
300PB	20.00
300PBI	100.00
300PBI-W	116.00
300PB-SS	100.00
300PB-SSW	116.00
300PH11-SS	150.00
300PH-11SSW	275.00
300PH13SS	150.00
300PH-13SSW	
300PH-6	50.00
300PHY	26.00
300PHYSS	
300PI8PRO	130.00
300PIH-11	150.00
300PIH-11W	260.00
300PIH13	150.00
300PIH13W	
300PIH-8	135.00
300PIHY	75.00
300PL	.43
300PL/SS	2.00
300PLFD	
300PO	12.00
300POI	90.00
300POI-W	118.00
300POICF	90.00
300PO-SS	90.00
300PO-SSCF	90.00
300PO-SSW	118.00
300SBS	.25
303C	1.66
333PBI	185.00
333PI16	325.00
333PIH13	
400A	1.30
400ASS	3.74
400B	1.94
400BSS	5.27
400C	2.16
400CAP	1.64
400CAP/SS	5.35
400CSS	8.04
400D	1.96
400DSS	7.17
400E	1.70
400ESS	6.53
400F	1.40
400FSS	6.32
400G	.90
400GB	.07
400GV	.90
400GXT	.07
400PL	1.64
400PL/SS	3.42
433PBI	185.00
444PBI	185.00
444PIH24	345.00
60FDIN	.05
75A1/2	.07
75A1/2/SA	.07
75A1/4	.08
75A1/4/SA	.08
75A3/4	.06
75A3/4FD	.06
75A3/4/SA	.06
75A3/8	.08
75A3/8/SA	.07
75B1/2	.15
75B3/4	.15
75BFD	.14
75G	.10
75GB	.90
75GFD	
75GV	.10
75K	.06
75P	.06
75PL	.05
75PLFD	.07
AF100	.30
AF100G	.43
AF100GV	.43
AF150	.47
AF150G	.62

AF150GV	.62
AF200	.64
AF200G	1.17
AF200GV	.17
AF300	1.15
AF300G	1.54
AF300GV	.45
AF400	1.59
AF400G	.45
AF400GV	.45
AFB100	.28
AFB150	.47
AFB200	.69
AFB300	1.38
AFB400	1.95
BEM3	
BEM5	
BEM51	
BEM5-182CZ	
BEM51-182CZ	
BF075	.03
BF075BD	.04
BF075BDV	.04
BF075V	.03
BF100	.03
BF100BD	.04
BF100BDV	.04
BF100GE	.07
BF100GRE	.01
BF100GRV	
BF100GV	.06
BF100V	.03
BF107	
BF125	.03
BF125BD	.04
BF125BDV	.04
BF150	.05
BF150BD	.05
BF150BDV	.05
BF150V	.05
BF200	.05
BF200BD	.05
BF200BDV	.05
BF200GE	.05
BF200GFE	.02
BF200GFV	.05
BF200GV	.05
BF200V	.05
BF220	.06
BF220BD	.06
BF220BDV	.06
BF220GE	.02
BF220GV	.08
BF220V	.06
CAP050	.06
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RB150-100	.10
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RB200-075	.18
RB200-100	.17
RB200-125	.14
RB200-150	.12
RB300-150	.51
RB300-200	.50
RB400-300	1.00
RC100-075	.15
RC150-100	.20
RC150-125	.20
RC200-050	.25
RC200-100	.26
RC200-125	.26
RC200-150	.26
RC300-200	.62
RN050-038	.02
RN075-050	.03
RN100-050	.04
RN100-075	.06
RN125-075	.08
RN125-100	.08
RN150-100	.12
RN150-125	.14

RN200-125	.17
RN200-150	.17
RN300-200	.36
RS21	.91
RSTB	.87
RSTB-2	.10
SL038-90	.03
SL050-90	.06
SL075-45	.07
SL075-90	.08
SL100-45	.10
SL100-90	.13
SL200-45	.34
SL200-90	.41
SL300-45	.85
SL300-90	1.05
ST200	.77
ST300	1.27
SW100	.09
SW150	.20
SW200	.31
TA283	.14
TC162	.14
TC181	.14
TC193	.14
TC218	.14
TC231	.15
TC250	.16
TC287	.17
TC331	.17
TC343	.17
TC425	.18
TC438	.36
TC456	.37
TEE038	.05
TEE050	.10
TEE075	.14
TEE100	.21
TEE125	.32
TEE150	.45
TEE200	.60
TEE300	1.58
TEG100	.21
TF050	.25
TF050V	.22
TF073	.07
TF073SS	.22
TF075SS	.39
TF075	.22
TF075V	.22
TF100	.40
TF100AV	2.45
TF100SS	2.40
TF100V	.40
TF103	.09
TF103SS	.75
TF125	.66
TF125AV	.68
TF125SS	1.92
TF125V	.66
TF150	4.38
TF150AV	.68
TF150SS	.43
TF150V	.55
TF153	
TF200	3.44
TF200AV	.60
TF200SS	.55
TF200V	.56
TF203SS	
TF220	.82
TF220G	.82
TF220GV	.05
TF220SS	5.27
TF220V	.82
TF223	.20
TF223SS	.14
TF300	1.98
TF300G	.07
TF300GV	2.00
TF300SS	2.41
TF300V	1.98
TF303	
TF303SS	2.41
TL101	1.70
TL600	.45
TL600C	.50
TL650E	.50

TL650S	.50
TL651E	.57
TL651S	.70
TL652E	.50
TL652S	.63
TLA10	2.58
TLV1	.04
TLV10R	1.50
TLV2	.02
TLVA10	2.00
TM075/050	.28
TR10	.92
TR10R1	.81
UB100	.25
UB202	.26
UB220	.32
UV050FP	.28
UV075FP	.25
UV100FP	.38
UV10150	.04
UV10151	.01
UV10153	.01
UV10163	.01
UV10254	.16
UV10255	.02
UV10256	.02
UV10258	.01
UV10264	.01
UV10264V	.02
UV125FP	.70
UV150FP	.88
UV15163	.01
UV15163V	.01
UV200FP	1.50
UV204FPFD	1.50
UVA100FP	.54
V050	.75
V05256	.13
V07017	
V07018	.02
V07019	.03
V07021A	.01
V07060	.01
V07151A	.02
V07155	.07
V07159	.01
V07163	.01
V07200	.07
V07254	.13
V07256	.07
V07257	.07
V07258A	.02
V07264	.01
V07354B	
V07354S	.33
V07357	
V075	.75
V075BL	.33
V075SL	1.44
V100	.70
V10020A	.02
V10021A	
V10060	.01
V100BL	1.33
V100FP	1.25
V100SL	1.39
V10117	
V10118	.01
V10119	.01
V10153138	.06
V10153138BL	.06
V10153A	.13
V10155	.07
V10159	.01
V10161	.18
V10163	.01
V10200	.21
V10254	.16
V10256	.19
V10257	.22
V10258	.03
V10258A	.04
V10264	.02
V10270	.10
V10271	.13
V10278	.25
V10353S	
V10353TB	.09

V10353TS	.07
V10354B	.25
V10354S	.25
V10355B	.07
V10355S	.06
V125	1.25
V125BL	2.25
V125FP	2.00
V125SL	1.99
V150	1.96
V150BL	2.17
V150SL	2.73
V200	1.92
V20010	
V20010SS	.07
V20011SS	.04
V20019	.01
V20020	.02
V20021	.02
V20060	.01
V200BL	
V200FP	3.25
V200SL	
V20151M	.07
V20152	.14
V20153	.20
V20153138	
V20153138BL	.23
V20153SH	.20
V20159	.02
V20163	.01
V20166	.27
V20200	.16
V20207	.06
V20207A	.02
V20254	.23
V20255A	.45
V20256	.25
V20256B	
V20257	.25
V20257B	
V20258	.05
V20258A	.04
V20261	.70
V20262	.75
V20264	.02
V20267	
V20291	
V20294	.32
V20344B	
V20344S	
V20353C	
V20353T	.20
V20353TB	.07
V20353TS	
V20354B	
V20354S	.32
V20355B	.20
V20355S	
V20394	
V204FP	2.71
V21204	
V21204V	.02
V25017	.13
V25020	.03
V25060	.01
V25121	.03
V25151B	.07
V25152	.28
V25153	.28
V25153138	.25
V25153138BL	.25
V25153SH	.20
V25160	.02
V25163	.01
V25165	.34
V25200	.50
V25214V	.02
V25245	
V25254	.35
V25255A	.25
V25256	.45
V25258	.03
V25258A	
V25261	.95
V25264	.02
V25270	5.33
V25271	.62

V25353B	.25
V25353TS	.20
V25354B	
V25354S	.50
V25355B	.32
V25355S	.38
V25356	.35
V25378	
V25456	.45
V25478	
V300	4.00
V30017	.23
V300FP	5.67
V30200	.70
V30254	.63
V30255	.60
V30258A	.01
V30264	.85
V30265	.01
V35017	.63
V35200	1.25
V35254	
V35255A	.80
V35258A	.07
V35264	2.58
V35264BL	
V35265	.02
V35278	1.00
V400	8.50
V40017	
V40200	4.20
V40254	2.00
V40255	1.80
V40264	1.200
V40265	.03
VA100	.80
VA150	2.75
VA200	
VA200/150	
VA200FP	4.17
VC200	.17
VC230	.17
VC300	.68
VC330	.68
VE07357	
VE10155SSH	.20
VE10256A	
VE10257A	
VE10258A	
VE10264	.02
VE10278	
VE10278A	
VE10355	
VE10355B	
VE107A	.02
VE109E	
VE15220	
VE20255SSH	
VE20256	
VE20257	
VE20258	.05
VE20258A	
VE20264	.02
VE20294	
VE20294A	
VE20355	
VE25255SSH	
VE25258	.06
VE25258A	
VE25355	
VE25356A	
VE25378A	
VE4983	
VE4984	
VE4985	
VE4987	
VE4988	
VE49892	
VF22254	
VF25254	
VF25256	.57
VF25356	.50
VFB201	
VFMT200FP	3.24
VFMT200FPPH	3.17
VFMT204FP	3.33
VFT25254	
VL20153	.35

VL25153	.41
VMT22254	
VMT25256	.50
VMT25356	
VN100	.72
VN10200	.06
VN10253	
VN10254	
VN10263	
VN10264	
VN10265	
VN10269	
VN10270	
VN10271	
VN10273	
VN10274	
VS20151	.04
VS20152SH	
VS20200	1.29
VS20255	.20
VS20256	.25
VS20258A	.02
VS20294	
VS204FP	1.73
VS25151B	
VS25153	.09
VS25214	
VS25255	
VS25258AR1	
VS25356	
VS25378	
VS30254	
VS30255	
VS30258	
VSF200	1.40
VSF200CF	.58
VSF200FPAF	3.33
VSF204FP	1.80
VSF211	1.60
VSF300	3.28
VSF30264	
VSFB201	4.00
VSFHB200	.64
VSFMT200	1.57
VSFMT204FP	2.06
VSFMT300	1.25
VSFTF202A	
VSHB20256	
VSMT200	.06
VSMT200CF	1.60
VSMT200FPAF	3.33
VSMT202MR	1.60
VSMT204FP	1.85
VSMT211	1.60
VSMT25356	
VSMT300	3.27
VSMT30254	
VSMT30264	
VSS025	.50
VSS038	.57
VSS050	.70
VSS05153	.07
VSS07153	.13
VSS075	1.32
VSS100	2.16
VSS10020	.01
VSS10021	
VSS10060	
VSS10153	.23
VSS10159	.01
VSS10160F	
VSS10160M	
VSS10204	
VSS10255	
VSS10258	
VSS125	3.19
VSS150	4.09
VSS15020	
VSS15021	
VSS15060	
VSS15153	.32
VSS15159	
VSS15160	
VSS200	7.11
VSS20153	.32
VSS300	22.60
VSS35153	1.09
VT200BL	

VTF200GT	.04
WSF203MR	1.00
WSF210	1.20
WSF211	1.20
WSFMT200FP	1.40
WSMT203MR	1.00
WSMT210	1.20
WSMT211	1.20
WV050FP	.25
WV050FPB	.23
WV075FP	.23
WV075FPB	.25
WV100FP	.32
WV100FPB	.32
WV125FP	
WV125FPB	
WV150FP	.63
WV150FPB	.70
WV200FP	1.25
WV200FPB	

Part Weight Charts are estimates only, and are calculated without skids or boxes. Actual shipping charges can only be calculated once order has been picked up. NOTE: If weight is not listed, please contact us.

REFERENCE

