

# **HYPRO® • SHURflo®**

## MINI-BULK CHEMICAL TRANSFER

Systems & Accessories



# AG Runner™



The SHURflo AG Runner Transfer Pump System is designed to safely and accurately transfer bulk chemicals to the point of use.

Features include:

- Industry leading pump
- Portable
- Can be used with a variety of bulk containers
- Built for rugged service with a heavy-duty welded frame
- Simple and accurate flow indicator

## Order Information

Part #	Flow Meter Type	Description
SF-1100-PTS	Pump-mounted (FM-1100)	Chemical Transfer Pump with 12 vdc motor, 20 ft. cable, alligator clips and in-line fuse (Part # SF-1100), electronic flow meter, 1-in. npt x 12 ft. Epdm discharge hose with ball valve/spout, and 1-in. npt x 12 ft. Epdm inlet hose with 1-in. elbow/ball valve/fitting assembly with locking cam arms
SF-1100-PTSi	Inline (FM-1100i)	
SF-1100-PTSi-00	No Flow Meter	
SF-1105-PTS	Pump-mounted (FM-1100)	
SF-1105-PTSi	Inline (FM-1100i)	

See Mini-Bulk Pump (pg. 3) for performance information.



# Mini-Bulk Chemical Transfer System



SHURflo Mini-Bulk Chemical Transfer Pumps and Systems are designed specifically for chemical company tanks where the pump is integral to the tank. The SF-1100-REC system is mounted to any tank with a 9-inch, threaded opening. This system allows the pump to recirculate the suspended chemical components prior to transferring to the point of use.

## Order Information

Part #	Description
SF-1100-REC-DT*	Chemical Transfer Pump with 12 VDC motor, 20 ft. cable, alligator clips & in-line fuse (Part # SF-1100-EPDM valves or SF-1105-Viton Valves), in-line electronic flow meter (Part # FM-1100i), 1-in. NPT x 12 ft. EPDM discharge hose with ball valve/spout, 3-way valve, tubing and fittings to allow tank recirculation, and 28" dip tube.
SF-1105-REC-DT*	

See Mini-Bulk Pump (pg. 3) for performance information.

\* DT model includes 28" dip tube.



# Mini-Bulk Pumps



The SF-1100 Series Bulk Chemical Pumps are the industry leader. They are designed for efficiency and power to handle highly viscous fluids. Servicing the SF-1100 series pump is a rare event, but if needed, it can be serviced quickly and easily with only a few hand tools.

- Specialized EPDM elastics or Viton option
- 12 volt DC or 110 volt AC motor option
- 20 foot cord with alligator clips and in-line fuse (DC only)
- Weather protected on/off switch
- Internal bypass to protect the pump at shut-off
- 2" MNPT inlet, 1" FNPT outlet
- Capable of priming up to 12 feet

## Order Information

Part #	Valves	Motor
SF-1100	Epdm	12 VDC
SF-1100-110V	Epdm	110 VAC
SF-1105	Viton	12 VDC

Model	PSI	BAR	GPM	L/min	Amps
SF-1100 and SF-1105	0	0.0	10.7	40	9.3
	5	0.3	10.1	38	10.3
	10	0.7	8.7	33	12.3
	15	1.0	7.6	29	13.9

# Mini-Bulk Flow Meters



The FM-1100 Series Electronic Flow Meter is designed for accurate and easy measuring of transferred chemicals. The FM-1100 Series Flow Meter is an integral component for a complete bulk chemical transfer system.

- Max. flow of 20 gpm (.5% after calibration)
- Accurate nutating disk design
- Large LCD display makes meter reading easy from a distance
- Simple calibration steps and control button layout
- Long-life lithium battery
- Easy-to-service electronics and batteries
- Available in pump-mounted and hose-end configurations

## Order Information

Part #	Description
FM-1100	Pump-mounted meter kit- 1" MNPT inlet & outlet
FM-1100i	Inline meter kit -1" FNPT inlet & outlet



Part# 94-718-00



Part# 94-719-00



Part# 94-720-00  
& 94-720-05



Part# 94-721-00

### Mini-Bulk Pump Kits for SF-1100 Series

Part Number	Description
94-718-00	Motor assembly kit used in any SF-1100 series pumps. Kit includes a 12 VDC motor with integrated pump lower housing, built-in on-off switch, 20 foot cable, alligator clips and in-line fuse ( Support bracket part # 84-1038-08)
94-719-00	Santoprene diaphragm/lower housing/drive assembly - ready for installation
94-720-00	EPDM valve housing kits include a complete fully-assembled valve housing with o-ring seal* - ready for installation
94-720-05	Viton valve housing kits include a complete fully-assembled valve housing with o-ring seal* - ready for installation
94-721-00	Polypropylene upper housing - includes o-ring seal* and pump head screws

\* Manufacturer recommends replacing the O-ring seal whenever the pump has been dismantled.



Part# 94-732-00



Part# 94-733-00



Part# 94-734-00



Part# 94-735-00



Part# 94-736-00

### Mini-Bulk Flow Meter Kits for FM-1100 Series

Part Number	Description
94-732-00	Flow meter electronics kit includes the front cover assembly and the electronic display with o-ring and batteries. Kit fits both pump-mounted and in-line meters (O-ring part # 5-040-154)
94-733-00	Flow meter housing seal cover kit includes the seal cover, o-ring and screws. Kit fits both pump-mounted and in-line meters. (O-ring part # 5-040-154)
94-734-00	Nutating chamber assembly, including o-ring seal. Kit fits both pump-mounted and in-line meters
94-735-00	90° meter housing with o-ring seal for pump-mounted flow meter. (O-ring part # 5-043-240)
94-736-00	Meter housing with o-ring seal for in-line flow meter. (O-ring part # 5-043-240)



Part# 3320-0064



Part# 8-727-00



Part# 94-712-00



Part# 94-716-00



Part# 94-717-00



Part# 94-723-00



Part# 94-724-00



Part# 94-725-00



Part# 94-737-00



Part# 94-738-00

### Other Mini-Bulk Parts & Accessories

Part Number	Description
3320-0064	Anti-flow back valve for EPA compliance
8-727-00	2 inch FNPT by 1 Inch FNPT polypropylene reducer coupling
94-712-00	2 inch male NPT by 2 inch female NPT street elbow fitting
94-716-00	1 inch NPT ball valve with spout
94-717-00	1 inch NPT x 12 foot EPDM discharge hose kit
94-723-00	Set of red and black alligator clips, including fuse holder
94-724-00	Replacement recirculation lid (Gasket part # 7-155-00)
94-725-00	Replacement recirculation cap
94-737-00	Recirculation system return hose kit - includes return hose and two hose clamps
94-738-00	Elbow, valve and coupling assembly - includes a 1 inch street elbow, 1 inch ball valve, and 1 inch bayonet tank coupling



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