

SOTERA 400B Series Diaphragm Pumps have proven to be a winner on all types of hard to handle agricultural chemicals. The double acting diaphragm design will work well with viscous, corrosive, encapsulated, suspension and shear sensitive products. These self priming pumps operate well on cold mornings and can even run dry without damage. **These pumps have a 5-year Warranty.** Working parts run in oil. Wetted parts are polypropylene, santoprene and stainless steel. The 1/4 HP motor will flow 13 GPM on 12-volt and 16 GPM on 110-volt models. Easily adapted to all mini-bulks with various adapters (see below).

SOTERA 445 Mini-Bulk Pump/Meter System with Recirculation



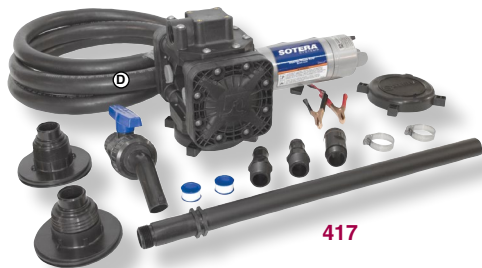
Use for chemicals requiring recirculation. 12 volt pump includes Sotera's 825 meter, 12' EPDM hose with nozzle valve & adjustable suction pipe. GEM cap adapter (8-1/4" coarse thread) built into the pump base.

445 is fitted with Viton® seals for most chemicals.
445X700 is fitted with EPDM seals for Lumax and Lexar.™

Part No.		Wt.
FR 445	12V Recirc. Pump/Meter Unit	31 lbs.
FR 445X700	Same-fitted with EPDM.....	31 lbs.

SOTERA 415/417/460 Models

Polypropylene Diaphragm Pumps for 2" tank ports. **417 & 460** include 1" x 12' EPDM hose, ball valve nozzle and spout, telescoping polypropylene 24-40" suction pipe, 20' battery cable and 2" bung adapter.



417

FR417 includes swivel base adapts to both 2" NPT & 2" buttress threads.
FR415 & 460 include 2" MPT inlet.

Part No.		Wt.
FR 415	12-Volt Pump Unit Less Hose/Meter	32 lbs.
FR 417	12-Volt Pump Unit Less Meter	35 lbs.
FR 460	115-Volt Pump Unit Less Meter	32 lbs.
FR 825	1" Digital Meter	-
FR 400KTF6863	Repair Kit for 2008 & Earlier Models (400/400A)	
FR 400KTH1457	Repair Kit for 2009 & Later Models (400B)	

435/465 Models

ChemTraveller™ - Portable Pumping Systems

These models are portable self-contained units packaged in a rugged steel frame that is easily moved. Both models include a 1" x 14' EPDM discharge hose with camlock, 1" x 9' EPDM suction hose, ball valve nozzle and 825 digital meter. **Note: Compatible with N-Serve.**



435

FILL-RITE

435 is 12-volt and includes 20 ft. battery cables.
465X713 is 115-volt, LESS meter (FR825) and includes (2) wheels.

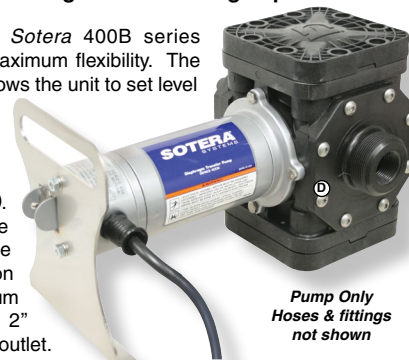
Part No.	ChemTraveller™	Wt.
FR 435	12-Volt Unit	50 lbs.
FR 435X700	12-Volt Unit, EPDM Internals.....	50 lbs.
FR 435X713	12-Volt Less Meter.....	48 lbs.
FR 465X713	115-Volt Unit Less Meter	48 lbs.
FR 400KTF6863	Repair Kit for 2008 & Earlier Models (400/400A)	
FR 400KTH1457	Repair Kit for 2009 & Later Models (400B)	

SOTERA Tote & Go Pump Kits

Use For:

- Agchemicals • Fertilizers • Seed Treatment Liquids
- Propionic Acid (Hay Treatment) • Anti-Freeze • Motor Oil
- Waste Oil (with Inlet Screen) • Hydraulic Fluid • Transmission Fluid
- Soaps & Cleaning Fluids • Deicing Liquids

These versions of the Sotera 400B series diaphragm pump offer maximum flexibility. The motor support bracket allows the unit to set level on the ground or atop a mini-bulk tank. Pumps thin liquids at 15GPM (to 1.5 CPS) or thick liquids to 12 GPM (to 350 CPS). Glass-filled polypropylene body, internals include polypropylene, fluorocarbon & stainless steel for maximum chemical resistance. 2" Camlock inlet and 1" FPT outlet.



Pump Only
Hoses & fittings
not shown

Available in 12V or 115V pumps & pump kits (kits include 1 x 36" suction hose with clamps & poly fittings, 2" poly camlock coupler & 2" x 1" reducer and 1" x 12' EPDM discharge hose with nozzle valve. Suction tube also included).

Part No.	Description	Amp Draw	Wt.
FR 415X731	12 Volt Pump Only	12.0	35 lbs.
FR 415X731PG	12 Volt Pump Kit	12.0	38 lbs.
FR 460X731	115 Volt Pump Only	2.0	35 lbs.
FR 460X731PG	115 Volt Pump Kit	2.0	38 lbs.
FR F1855	1" Telescoping Suction Tube		
FR 400G9734	Motor ONLY with Gear Pak, 20' Cable With Clamps & Inline Fuse		

SHURFLO SF1100 AgChemical Pumps

Engineered to pump thin or thick agchemicals. Can be used for DEF. 10 GPM with water; 7 GPM on agchemicals at 70° F. or 4.5 GPM on cold or viscous liquids (860 CPS). Glass-filled polypropylene body with unique design bonds the polypropylene pistons to the santoprene diaphragm (co-molded). Oversized 3" magnet motor. Can be serviced with hand tools only.

SF1100 & SF1105 have 2" MPT inlet (pump only, less adapter, suction tube, hose & nozzle valve).

SF1100PTS is a complete unit. Includes SF1100 12 volt pump and FM1100 pump mounted meter that is mounted in a portable frame, 20' of cable with clips and fuse, 1" x 12' EPDM discharge hose with ball valve and spout plus a 1" x 12' inlet hose with ball valve, elbow and cam coupling.

SF1100PI the same as the SF1100PTS but with an inline meter.



SF1100PTS

Part No.	Description	Wt.
SU SF1100	12-Volt Pump only, EPDM.....	11 lbs.
SU SF1100-110V	110-Volt Pump only, EPDM.....	11 lbs.
SU SF1105	12-Volt Pump only, Viton®.....	11 lbs.
SU SF1100PTS	ShurFlo 12V Ag Runner Pump/Meter, EPDM.....	42 lbs.
SU SF1100PI	Same as 1100PTS with Hose End Meter.....	42 lbs.
SU SF1105PTS	ShurFlo 12V Ag Runner Pump/Meter, Viton®.....	42 lbs.
SU 94-718	Replacement Motor Assy with Switch & Cable	6 lbs.
SU 94-719-00	Diaphragm & Lower Housing Kit.....	1 lbs.
SU 94-720-00	EPDM Valve Assembly.....	1 lbs.
SU 94-720-05	Viton® Valve Assembly.....	1 lbs.
SU 94-721-00	Upper Pump Housing Kit.....	1 lbs.
SI PH25	2" MPT x 2" FPT x 1" FPT Poly Adapter	-
FR F1855	Poly Adjustable Suction Tube (23"-41").....	-

Viton® is a registered trademark of DuPont Performance Elastomers