RETURN POLICY

All Industrial pumps/products must be flushed of any chemical (ref. OSHA Section 1910.1200 (d)(e)(f)(g)(h)) and hazardous chemicals must be labeled/tagged before being *shipped to SHURflo for service or warranty consideration. SHURflo reserves the right to request a Material Safety Data Sheet from the returnee for any pump/product it deems necessary. SHURflo reserves the right to "disposition as scrap" pumps/products returned which contain unknown fluids. SHURflo reserves the right to charge the returnee for any and all costs incurred for chemical testing, and proper disposal of components containing unknown fluids. SHURflo request this in order to protect the environment and personnel form the hazards of handling unknown fluids.

LIMITED WARRANTY PROCEDURE

SHURflo warrants Shurflo Low Volume (SLV) series pumps to be free from material and workmanship defects (under normal use and service) for a period of one (1) year from the date of manufacture. Alternatively, (1) one year use with proof of purchase, not to exceed (2) two years in any event.

The limited warranty will not apply to pumps tat were improperly installed, misapplied, or incompatible with fluids or components not manufactured by SHURflo. SHURflo will not warrant any pump, which is damaged or modified outside the SHURflo factory.

All Industrial pumps/products must be flushed of any chemicals before shipping. SHURflo's written Return Policy governs all warranty considerations.

Returns are to be shipped postage prepaid to either service center; SHURflo Cypress, CA or Elkhart, IN. SHURflo shall not be liable for freight damage incurred during shipping. Package returns carefully.

Upon receiving a pump, it will be tested per SHURflo's test criteria. SHURflo's obligation under this warranty policy is limited to the repair or replacement of the unit. Pumps found not defective (under the terms of this limited warranty) are subject to charges to be paid by the returnee for the testing and packaging of "tested good" units.

No credit or labor allowances will be given to the returnee for pumps returned as defective. Warranty replacements will be shipped on a freight allowed basis. SHURflo reserves the right to choose the method of transportation.

This limited warranty is in lieu of all other warranties, expressed or implied, and no other person is authorized to give any other warranty or assume obligation or liability on SHURflo's behalf. SHURflo shall not be liable for any labor, damage or other expense, nor shall SHURflo be liable for any indirect, incidental or consequential damages of any kind incurred by the reason of use or sale of any defective product or part. This limited warranty covers pumps distributed within the Unites States of America. Other world market areas should consult with the distributor for any deviation from this document.

Carriers, including U.S.P.S., airlines, UPS, ground freight, etc.; require specific identification of any hazardous materials being shipped.

Check with your shipping company for specific instructions. Failure to do so may result in substantial penalties.

SHURflo reserves the right to update specifications, prices, or make substitutions.

SHURflo®
Pentair Water

SHURflo, LLC
5900 Katella Avenue
Cypress, CA 90630
Phone (562) 795-5200
Toll Free (800) 854-3218
Fax (562) 795-7564

SHURflo, LLC East
52748 Park Six Court
Elkhart, IN 46514-5427
Phone (562) 795-5200
Toll Free (800) 854-3218
Fax (574) 264-2169

SHURflo Europe, Middle East, Africa
Pentair Water Belgium bvba
Industriepark Wolfstee, Toekomstlaan 30
B-2200 Herentals, Belgium
Phone +32-14-283500
Fax +32-14-283505

www.shurflo.com

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SHURflo®

SHURflo Low Volume (SLV) Industrial Series Pumps

Installation and Operation Manual



DESCRIPTION

SHURflo Low Volume (SLV) Series 1.0 GPM are rugged, light weight, compact and provide the ability to self-prime and run dry. Standard features include a pressure demand switch, built in 3/8" hose barb ports, flexible mounting feet, splash proof motor, and thermal protector.

SHURflo offers various pump models for different applications. The information outlined by this manual is general, and not Specific to all SHURflo Low Volume (SLV) Series Pumps.

CAUTIONS

- Do not operate pump in an explosive environment. Arcing from the motor brushes, switch, or excessive heat from an improperly cycled motor may cause an explosion.
- Do not pump gasoline or other flammable liquids.
- Do not assume fluid compatibility. If the fluid is improperly matched to the pumps' elastomers, a leak may occur.
- Intermittent Duty: is defined as: operated and/or frequently started within a period of time that would not cause the motor to reach its maximum thermal limits. Once the maximum is obtained, the motor must be allowed to return to ambient temperature before resuming operation.

OPTIONAL MODELS INCLUDE

Inline 5 amp fuse with holder. Manual on/off switch and two-pin power connector.

INSTALLATION GUIDELINES

SHURflo Low Volume (SLV) Series Pumps are self priming and can be located up to 2.5 feet above the water level. Horizontal and vertical prime vary depending on the fluid viscosity and pump configuration The pump can be at the same level or below the tank.

1. The pump should be located in an area that is dry and protect the pump from excessive heat by providing proper ventilation.
2. Use 50-mesh strainer minimum at the inlet side of the pump. Use flexible hose on inlet.
3. The pump can be mounted in any position. However, if mounting the pump vertically the pump head should be in the down position so that in the event of a leak, fluid will not enter the motor.
4. For Spot Spraying applications, use #8 spray tip or larger.

NOTE: Restrictions on the inlet may cause vacuum levels to reach the fluid vapor pressure, causing cavitations, degassing, vapor lock and a loss in performance.

ELECTRICAL

1. 12 Volt pump must be provided with a 5-amp fuse.
2. Recommended wire size is 16 gauge (1.3 mm) or larger wire as determined by voltage drop. Negative (-) must be connected to a known ground. Ground wire must be the same (gauge/mm) as the positive.

TROUBLE SHOOTING

PUMP WILL NOT START

- ✔ For correct voltage (+10%) and electrical connections.
- ✔ Fuse or breaker.
- ✔ Pressure switch operation and correct voltage at switch.
- ✔ Rectifier or motor for open or grounded circuit
- ✔ For locked drive assembly.

WILL NOT PRIME (No discharge/motor runs)

- ✔ Strainer for debris.
- ✔ Inlet/Outlet tube severely restricted (kinked).
- ✔ Inlet/Outlet valves for debris or swelling.

PUMP WILL NOT SHUT-OFF

- ✔ Output line closed and no leaks.
- ✔ For air trapped in outlet line or pump head.
- ✔ For correct voltage to pump.
- ✔ Debris in pump Inlet/Outlet valves.
- ✔ For loose drive assembly or pump head screws.
- ✔ Pressure switch operation/adjustment.

LEAKS FROM PUMP HEAD OR SWITCH

- ✔ For loose screws at switch or pump head.
- ✔ Switch diaphragm ruptured or pinched.
- ✔ For punctured diaphragm if fluid is present at bottom drain holes.

SPECIFICATIONS

MODEL NUMBER	SLV10 Series
PUMP DESIGN	Positive Displacement Pump
MOTOR	Permanent Magnet
VOLTAGE	12 VDC, 24 V
PRESSURE SWITCH	Factory Set @ 40 PSI Shut-off, Turn on 25 + 5 PSI
LIQUID TEMPERATURE	110 Degrees Max Fahrenheit (43 Degrees Centigrade)
PRIME	Self Priming Up to 2.5 ft. Vertical
PORTS	3/8" Barb

MATERIAL OF CONSTRUCTION

MOTOR HOUSING	Nylon
PUMP HOUSING	Polypropylene
VALVES	Viton or EPDM
DIAPHRAGM	Santoprene or Geolast
FASTENERS	Zinc Plated/Stainless Steel
NET WEIGHT	1.27 lbs.
DUTY CYCLE	Intermittent

FLOW

PSI	BAR	GPM	L/Min	Amps
3	0.2	0.9	3.4	1.8
10	0.7	0.73	2.8	2.1
20	1.4	0.62	2.3	2.3
30	2.1	0.49	1.9	2.5

