SEAFLO®

Toilet & Shower & Sink Waste Pump

INSTALLATION MANUAL

FEATURES

- Single diaphragm pump designed
- Self-priming to 3m (9.5ft), dry run capability
- No filter required
- Double outlet valves to ensure continuous flow
- Flow up to 19 lpm (5 US gpm)
- Connections for 38mm (1-1/2") or 19mm (3/4") ports
- Uses multi-positional ports for easy mounting of the pump
- The waste pump head assembly to be rotated 360° to accommodate plumbing

SPECIFICATIONS

Model	Voltage	Max Current	GPM/LPM	Suction Lift	Port	Max Fuse Size
SFMTP1-07	12V	8A	5.0/19.0	3m (9.5ft)	38mm (1-1/2") or 19mm (3/4")	10A
SFMTP2-07	24V	2.5A	5.0/19.0	3m (9.5ft)		5A

INSTALLATION

- The seaflo Waste Pump is self priming up to 3m (9.5ft).
- Uses multi-positional ports for easy mounting of the pump.
- If mounted vertically the motor should be above the pump head.
- Use rubber grommets provided to absorb vibration.
- Plumbing Connections: Use 38mm (1-1/2") or 19mm (3/4") ID, non-collapsible waste type suction hose.
- Connect the hose to inlet and outlet of pump using two stainless steel hose clamps at both ends.
- All suction connections must be airtight and free of sharp bends or restrictions.

⚠**WARNING:** The discharge thru-hull may be positioned below the waterline only if the discharge hose has a vented loop at least 20cm (8") above the waterline at all angles of heel or trim.

⚠**WARNING:** Do not use any seaflo pump for petrol, petroleum products or any products with a flash point below 37°C (98°F); explosion or death may occur.

OPERATION

The DC motor is suitable for intermittent duty and should not be run for more than 30 minutes continuously.

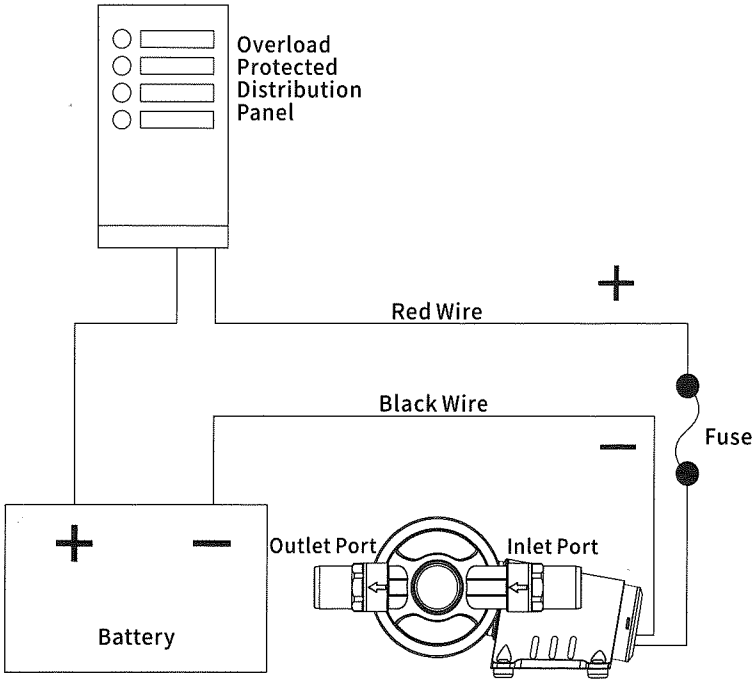
MAINTENANCE

⚠**WARNING:** Always disconnect pump from power supply.

Check all electrical connections periodically, particularly in salt water areas. Corrosion can cause loss of performance or non-operation in extreme cases. The motor should be protected with a corrosion inhibiting spray and any rust should be removed and the motor repainted.

WIRING INSTRUCTIONS

- Make all electrical connections in dry locations; connections in humid environments should be sealed to prevent corrosion.
- Protect the circuit with a rated fuse or circuit breaker in the brown positive (+) lead as close as possible to the power source.
- Connect the black motor wire to the negative (—) battery terminal.
- Inadequate voltage at the motor terminals when the pump is running (not less than 10% below rated voltage at full load) due to partially discharged batteries or insufficient cable size may result in blowing fuses, failure to start or poor pump performance.

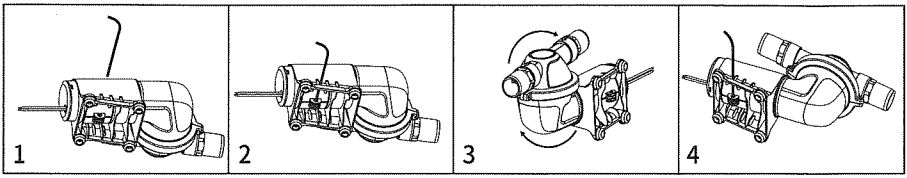


⚠**WARNING:** If the fuse fails repeatedly do not fit a heavier fuse or bridge the fuse terminals with silver paper or metal wire. Failure to observe this instruction may result in a fire hazard due to overheating of cables.

Ensure sterilization of wet end before disassembly.

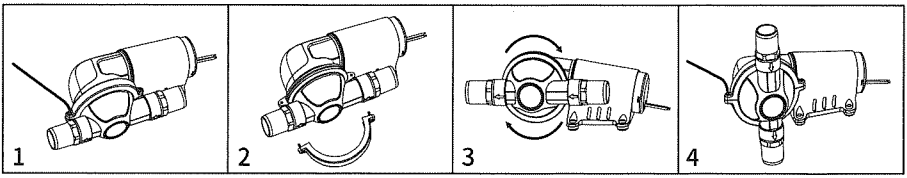
ROTATION OF PUMP HEAD

1. Take out the wrench in the box
2. Use a wrench to loosen the base screws
3. Adjust the pump head direction
4. Use a wrench to secure the cup head screws of the base

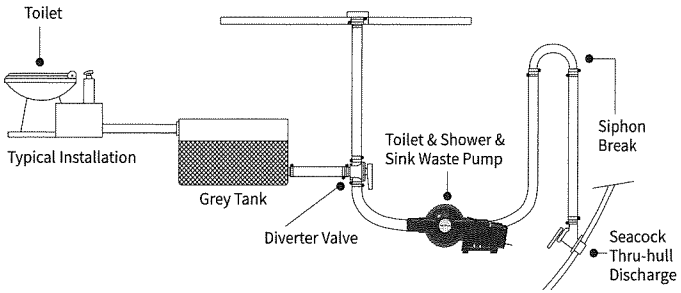


ROTATION OF PORTS

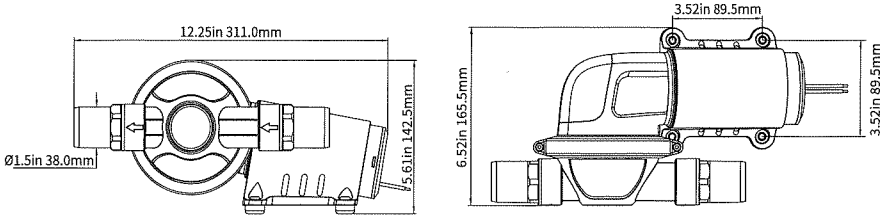
1.Use a wrench to loosen the screw on the snap ring
2.Remove the snap ring
3.Rotate the pump cover to the desired position
4.Install the snap ring and secure it with screws



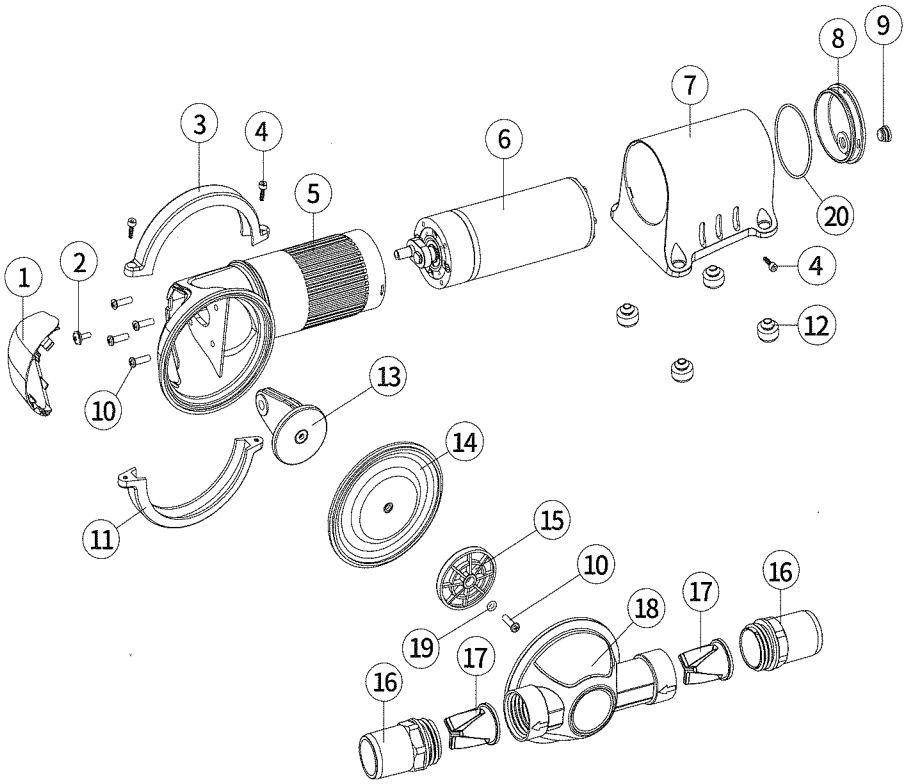
APPLICATION



DIMENSION



DETAILED COMPOSITION



Key	Description	QTY	Key	Description	QTY
1	Cover	1	11	Clamp Bottom	1
2	Machine thread screws	1	12	Rubber feet	4
3	Clamp Top	1	13	Diaphragm tie rod	1
4	Cup head screw	3	14	Diaphragm	1
5	Motor cover	1	15	Diaphragm retainer	1
6	Motor	1	16	Pipe connector	2
7	Base	1	17	One-way valve	2
8	Motor cover	1	18	Pump cover	1
9	Line Card	1	19	O-ring	1
10	Machine screws	5	20	O-ring	1