



# BILGE PUMPS

360 TO 1100 GPH ROUND VERSIONS

## INSTALLATION INSTRUCTIONS

### MOUNTING

- Disassemble as follows:
  - Press strainer base fingers inward to release body housing
  - Lift pump from base
- Mount strainer with stainless steel screws. On fiberglass you may prefer to fiberglass a wooden block in place to which you can fasten the strainer. You may also adhere the strainer directly to fiberglass with Sudbury® Elastomeric Sealant. All surfaces must be dry and free of any gas, oil, or other contaminants.
- Reassemble as follows:
  - Align pump clasps to accept strainer base and press pump down to snap-lock in place.

NOTE: For side mounting on a vertical surface, use Rule Side Mount Bracket Model 66.

### PLUMBING

- Use correct Bilge Pump Hose and Thru-Hull Fitting (see chart). Locate thru-hull fitting safely above waterline to prevent water from coming back into the hull. On sailboats, locate Thru-Hull high enough on the center of the transom to be above the anticipated water line.
- ROUTE THE HOSE CONTINUOUSLY UPWARDS FROM THE PUMP TO THE THRU-HULL FITTING. THE HOSE RUN SHOULD BE AS SHORT AND STEEP AS POSSIBLE.
  - This will help eliminate air pockets which can cause air-locking.
- Attach all hoses to pumps and thru-hull fittings with stainless steel hose clamps.

### ELECTRICAL

- Normal installation requires 16 Gauge wire. For installations over 25' (7.6 m) use 14 Gauge wire.
- Brown (+) wire is positive and connects to the positive terminal of the battery. Black (-) wire is negative and connects to the negative terminal of the battery.
- install the proper fuse (see chart) in the brown wire somewhere between the pump and the battery.
- For automatic operation, install a Rule® float switch (#35, #37, or #40).

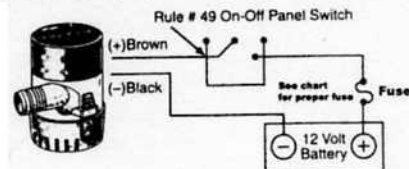
- SUBMERSIBLE
- IGNITION PROTECTED
- NO BURN-OUT WHEN RUN DRY
- HIGH EFFICIENCY MOTOR
- MAINTENANCE FREE
- CE AND ISO 8849 CERTIFIED

## SPECIFICATIONS

MODEL	Output Open Flow (GPH) (LPH)	Output 3.35' (GPH) 1 m (LPH)	Output 6.7' (GPH) 2 m (LPH)	Thru Hull & Hose Size	Fuse Size (Amps)
24 (12 v)	360 1360	265 1003	190 719	3/4" 19 mm	2.5
24-6 (12 v)	360 1360	265 1003	190 719	3/4" 19 mm	2.5
25D (12 v)	500 1890	360 1363	260 984	3/4" 19 mm	2.5
25D-6 (12 v)	500 1890	360 1363	260 984	3/4" 19 mm	2.5
26D (24 v)	500 1890	360 1363	260 984	3/4" 19 mm	1.5
20R (12 v)	800 3060	615 2328	425 1609	3/4" 19 mm	5.0
21R (24 v)	800 3030	615 2328	425 1609	3/4" 19 mm	2.5
27D (12 v)	1100 4160	860 3255	600 1609	1-1/8" 28 mm	6.0
28D (24 v)	1100 4160	860 3255	600 1609	1-1/8" 28 mm	2.5

NOTE: Output is based on 10 hour break-in period and at 13.6 v (12 v models) or 27.2 v (24 v models)

### WIRING DIAGRAM



NOTE: Keep all wire connections above highest possible water level. Seal all wire connections with Sudbury® Elastomeric Sealant to prevent corrosion.

### WARNING

This pump is designed for use with fresh and salt water only. Use with any other medium, including particularly hazardous, caustic or corrosive substances, could result in damage to the pump, the surrounding environment and injury to persons or property, including possible exposure to hazardous substances. **This pump is for water applications only.**

Rule



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