

## Low Boy Bilge Pumps

IB-127 R02 (04/2012)

ORIGINAL INSTRUCTIONS/TRANSLATION OF ORIGINAL INSTRUCTIONS  
READ AND UNDERSTAND THIS MANUAL PRIOR TO OPERATING OR  
SERVICING THIS PRODUCT



## Low Boy Bilge Pump

Low Profile pump designed for ease of mounting and removal in tight bilge areas. Perfect for vessels with bilge pumps mounted beneath inboard or I/O engines. Removable cartridge style. Easy-to-install Dura-Port discharge ports to eliminate stress cracking caused by over-tightened hose clamps. The pumps include both a straight and a 90° smooth elbow Dura-Port as well as a removable check valve.

Max length 146 mm – 5.75"

Width 81 mm – 3.2"

Height 72 mm – 2.82"

Wire size 1.3 mm<sup>2</sup> – 16 GA

### Installation Instructions

1. Mount pump at lowest point in the bilge.
2. Select a point where bilge water is to be pumped overboard, at least 1 foot above the waterline and the shortest distance from the pump. Install a 3/4" thru hull. A 1-1/16 hole will be required. The pump can be mounted horizontally or vertically, however the pump does need to be installed in the lowest part of the bilge.

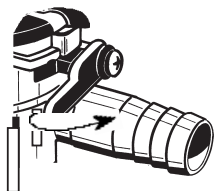
### Wiring the pump

1. Connect the brown wire from the pump to the positive (+) fused side of the battery.
2. Connect the black wire coming off of the pump to the negative (-) side of the battery.
3. Do not cut any wire insulation more than 3" and keep all connection above the water levels, keep all connections high and dry. A marine grade sealant/liquid electrical tape is recommended to seal loose wire ends. A submerged splice will render the warranty void.
4. Fuse all cartridge style pumps at 5A.
5. Do not run pump dry for more than 10 seconds.
6. If you are using a float switch in conjunction with this pump, be sure that the float switch is higher than the impeller level of the pump to assure proper shutoff of the pump.

## To remove or replace power cartridge

1. Lift tab and rotate the two fins in a counter clockwise direction and lift out.
2. To reinstall, first make sure the O-ring is properly located. Coat the O-ring with a light film of vegetable oil or mineral oil, then align the two

cams on wither side of the power cartridge with the two slots in the outer housing. Press down and twist in a clockwise rotation. To ensure that the power cartridge is properly located, twist fins in a counter clockwise direction without lifting tab. Cartridge should stay in place.

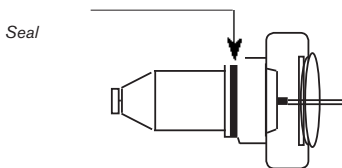


*Lift tab*



*Remove*

*Reinstall*



*Seal*

## Threaded Discharge Installation Instructions:

### Unassembled Fittings

1. Install the appropriate barb fitting straight or 90° into the 3/4" connector nut. Place the sealing washer into the connector nut afterwards.
2. Install the hose clamp loosely on the discharge hose and install the hose onto the barb. Tighten the hose clamp securely.
3. Thread the assembled connector nut onto the pump discharge port, position the hose and tighten the connector nut. Tighten the assembly 1/4 turn past hand tightness.

### Pre-assembled fittings

1. Install the hose clamp loosely on the discharge hose. Install the hose onto the barb fitting and position as necessary. Tighten the hose clamp securely.
2. Check the tightness of the connector nut.

**Threaded nuts do not require mechanical tightening. Do not over tighten, damage may occur.**

*Marine type sealants are not required, periodic check for tightness is recommended.*

#54061-Nut



#54061  
Straight fitting



#54061-90  
fitting

#50532  
Seal

