

Owner's Manual & Safety Instructions

Save This Manual Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

PACIFICHYDROSTAR®

12 VOLT BILGE PUMP



**SUITABLE FOR FRESH
AND SALT WATER**



**1000
GALLONS PER HOUR**



**1-1/8 IN
DISCHARGE PORT**



**13 FT
MAXIMUM HEAD LIFT**



**12 VOLT
DC ELECTRIC
MOTOR**

Visit our website at: <http://www.harborfreight.com>
Email our technical support at: tech@harborfreight.com

ITEM 66095

REV 11h

When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-800-444-3353 as soon as possible.

Copyright© 2008 by Harbor Freight Tools®. All rights reserved.
No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools. Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

⚠ WARNING

**Read this material before using this product.
Failure to do so can result in serious injury.
SAVE THIS MANUAL.**

CAUTION

This pump has been designed for use with water only.

▲WARNING

IMPORTANT! For your own safety – before starting to run the pump, please have the following items checked by an expert:

1. Risk of electric shock – This pump is supplied with a grounding conductor and grounding-type attachment connector. To reduce the risk of electric shock, connect only to a properly grounded, grounding-type receptacle.
2. Risk of electric shock – This pump is not designed for use in swimming pools.
3. The electrical connections must be protected from moisture.
4. Circulation of caustic fluids, as well as the circulation of abrasive materials, must be avoided at all costs.
5. The pump must be protected from frost.
6. The pump must be protected from running dry.
7. Access by children should also be prevented with appropriate measures.
8. **This pump is intended to reduce the effects of nuisance bilge water only and is not designed to prevent sinking in the event of leakage. Never leave a boat unattended or take a boat away from shore with a leak.**
9. **Install with a secondary back-up bilge pump and float switch (sold separately) wired separately to prevent flooding if the first bilge pump fails.**
10. **To prevent fire, only install on 12VDC power supply protected by 15A fuse.**
11. **WARNING:** Handling the Cords on this product will expose you to lead, a chemical known to the State of California to cause cancer, and birth defects or other reproductive harm. Wash hands after handling. (California Health & Safety Code § 25249.5, et seq.)
12. The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

Fluid Type

The Pump is designed for use with water with a maximum temperature of 77° F (25°C). Do not use the pump for other fluids, especially not fuels, cleaning fluids, or other chemical products.

Specifications

Power Requirements	12 VDC Battery	Maximum Lift	13'
Fuse Required	15 Amp (sold separately)	Outlet Size	1-1/8"
Maximum Capacity	1,000 GPH	Drains down to	1/8"

Installation

This pump must be installed in a stationary position.

Please note!

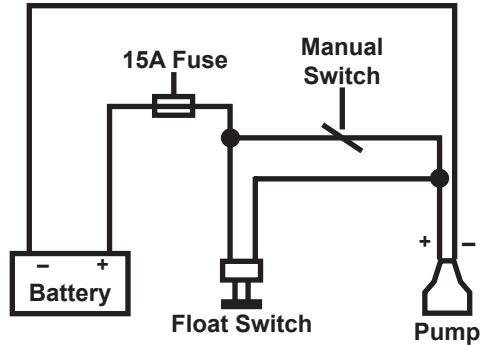
1. Do not install the pump by suspending it unsupported from the discharge hose or wires. Place the pump on the bottom of the bilge.
2. Depress the tabs on each side of the bilge pump and remove the screen.

▲WARNING! Verify that installation surface has no hidden utility lines before drilling or driving screws. Do not drill through the bottom of the boat.

3. Choose the area to install the bilge pump and use appropriate hardware (not included) to secure the screen to the bottom of the bilge.
4. Connect the pump to the screen with the tabs.
5. **Install the pump with an automatic float switch, power switch, and fuse (none included) to prevent damage to the pump.**

Power Supply

As shown below, connect the pump to a 12V battery (not included) located in a dry, secure area.



Operation

After reading these instructions, consider the following points before starting the pump:

1. Verify that the pump rests on the bottom of the bilge.
2. Verify that the discharge hose is properly connected. A smooth bore discharge hose is recommended.
3. Verify that the electrical connection is a 12 VDC battery.
4. Wiring that may be exposed to moisture should be sealed with heat shrink tubing.
5. Verify that water and moisture cannot get near the power supply.

WARNING! If the wire insulation or housing is damaged, do not use the pump. Repairs should be done by a electrician to maintain waterproofing.

6. Verify that the pump is installed to prevent dry running.
7. To ensure that the pump works properly, keep the bottom of the bilge free from dirt and debris.


Monthly Maintenance

⚠ CAUTION

**TO PREVENT INJURY FROM ACCIDENTAL OPERATION:
Disconnect Pump from battery before maintenance.**

- Note:** Maintain more frequently in dirty conditions.
1. Clean sludge and debris from the bottom of the bilge.
 2. Rinse the housing off with clean water.
 3. Depress the tabs on the sides of the pump and remove the Screen.
 4. Clean the impeller with clean water. To prevent damage, do not rest the pump on the impeller or pry on the impeller.
 5. Reassemble in reverse order.

Troubleshooting

Problem	Possible Causes	Possible Solutions
Pump won't run or will not deliver any water.	<ol style="list-style-type: none"> 1. Blown fuse or bad connection. 2. Water level too low. 3. Screen/impeller clogged. 4. Defective motor. 	<ol style="list-style-type: none"> 1. Check power connections and circuits/fuses. 2. Allow water level to rise above 1/8". 3. Remove screen. Clean out screen and impeller, then replace. 4. Replace Bilge Pump.
Excessive noise or vibration.	<ol style="list-style-type: none"> 1. Debris in impeller. 2. Worn bearings. 	<ol style="list-style-type: none"> 1. Remove screen. Clean out screen and impeller, then replace. 2. Replace bilge pump.
 Follow all safety precautions whenever diagnosing or servicing the tool. Disconnect power supply before service.		

90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

Record Product's Serial Number Here:

Note: If product has no serial number, record month and year of purchase instead.

Note: Replacement parts are not available.

