

LIVEWELL PUMP INSTALLATION INSTRUCTIONS

- ⚠ **CAUTION:** Read all instructions thoroughly before attempting to install your livewell pump. If you do not understand any part of these instructions, contact a certified marine technician to assist in the installation.
- ⚠ **CAUTION:** Before installing your livewell pump inspect the pump mounting area to insure the space will accommodate the pump, all plumbing fixtures and wiring requirements.
- ⚠ **CAUTION:** Inspect all livewell pump components for proper function on a regular basis and before operation.
- ⚠ **CAUTION:** This livewell pump is self-priming and must be installed below the waterline to operate properly. Make sure you secure and seal the through hull fitting properly with a marine grade sealant per instructions.
- ⚠ **CAUTION:** All wiring connections **MUST** be made above the waterline using heat shrink connectors. Failure to do so can result in premature failure of the component.

MATERIALS NEEDED:

- Pen, Pencil or Marker
- Wire Ties
- Drill (if new installation)
- 1" Hole Saw (if new installation)
- Heat Shrink Connectors
- Torch / Lighter / Heat Gun
- Marine Grade Sealant
- Tape Measure
- Phillips Head Screw Driver
- Adjustable Wrench
- Wire Strippers / Crimpers

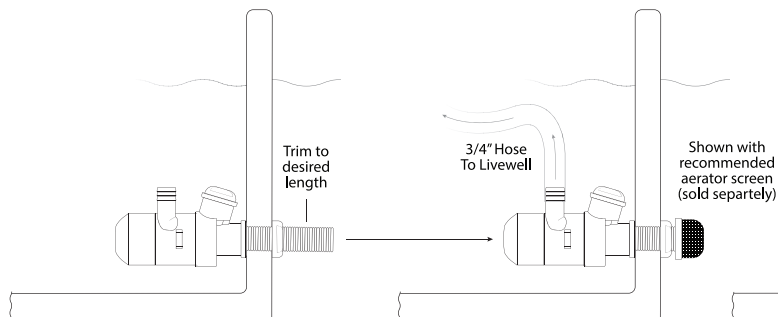
FIND A MOUNTING LOCATION:

Your Livewell Pump is self-priming and must be mounted below the waterline of your boat to pick up water. The pump should be mounted in the lowest area of the bilge possible, typically in a thru-transom configuration that allows for clearance for the electrical connections and the plumbing components. It is especially important to make sure that there is enough clearance for the pump housing from the thru hull hole location.

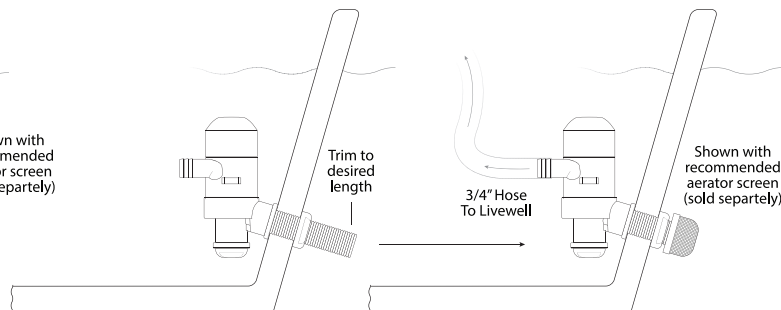
You may elect to mount your livewell pump to a seacock (thru-hull with valve) for added security.

CONFIGURING & MOUNTING:

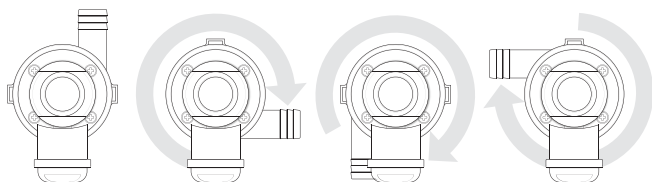
Your Livewell pump is designed for either a straight (**Fig.1**) or an angled (**Fig.2**) water inlet tube positions. This is to accommodate all likely mounting scenarios. Also, the housing can be rotated to 4 different locations (**Fig.3**) to orient your 3/4" outflow barb in order to run your hose in the best direction to the live well tank. Remove the 4 screws from the bottom to rotate the pump housing position. Replace the screws.



Straight Transom (Fig.1)



Angled Transom (Fig.2)



Housing Rotation Options (Fig.3)
(Shown from the bottom of the pump)

- Once you have determined where to mount your live well pump choose the configuration that will work best for your application and make all necessary adjustments to the pump.
- To adjust water inlet tube location remove the plug and washer, insert inlet tube into that opening. Tighten by hand and then use the plug and washer to seal off the remaining opening.
- To adjust the outlet barb remove the four screws holding the pump housing, adjust the housing to the desired position and retighten those screws.
- Unless you are replacing an existing pump you will need to drill a 1" hole, using a 1" hole saw, through the hull of your boat for the thru hull inlet fitting of your pump. Carefully locate the best position for mounting the pump and all related materials before drilling through your boat.

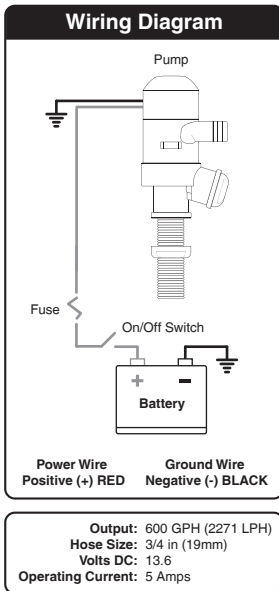
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Make sure that when you install your new livewell pump that:

1. The threaded inlet tube is screwed tightly into the housing of the pump.
2. The washer provided is mounted between the pump housing and the hull of your boat.
3. The 1" hole and the external nut are sealed with a marine grade sealant before tightening the nut.
4. The 2nd washer and the plug provided are tightly sealing off the other inlet hole.
5. Make sure that you inspect the entire installation for leaks.

Note: Typically there will be excess threaded tube exposed past the nut. Once you are sure the livewell pump is properly mounted this excess can be removed carefully with a hack saw. You may also elect to add a screen or a high speed pick up to your system.

Once your livewell pump is installed use 3/4" ID reinforced hose to run the water supply from the livewell pump to your livewell tank.



⚠ CAUTION: DISCONNECT POWER FROM BATTERY BEFORE WIRING

WIRING: Remove the positive side of the battery terminal or post and ensure there is no power to the vessel's electrical system before making wiring connections.

If no fused connection is available through a switch or fuse panel, an inline waterproof AGC or ATO fuse holder can be used.

After all connections have been made in accordance with the above diagram secure any loose wiring above the water line and test system.

TROUBLESHOOTING GUIDE:

Problem: The pump is running but it's not pumping water.

Solution 1: The system may be air bound, try putting the boat in reverse to force water into the pump if transom mounted.

Or crack open the plug that was used to secure the alternative mounting position for the intake tube to bleed out any air (make sure to re-secure the plug properly).

Solution 2: Check the installation to ensure the pump is lower than the waterline of the boat.

Solution 3: If the boat is underway and on plane and the thru hull is mounted on the transom you will not pick up any water unless you use a high speed pick up.

Problem: The pump does not operate.

Solution 1: Inspect the wiring and connectors for corrosion or loose components. Fix with Heat Shrink connectors if found.

Solution 3: Check for power at the pump. The voltage should be 12 VDC at the connections.

Solution 4: Check the battery voltage to ensure it has at least 12 VDC.

Solution 5: Inspect the fuses in the circuit. All fuses should be free from corrosion and secured tightly in the holder.

If the fuse is blown, inspect the wiring for exposed components and replace the fuse.