



OWNER'S MANUAL & SAFETY INSTRUCTIONS

800 GPH AUTO BILGE PUMP



Vendor stock number: BT6188
Questions, problems, missing parts?
Before returning to the store, call
GreatStar Customer Service
9AM-4PM CST, M-F
Call: 479-802-3580 or Email: Help@greatstar-us.com

Read all instructions carefully before installing and using this product.

WARNING

- Auto bilge pump can only be used for pumping water. It can not be used for other liquids.
- DO NOT use pump to remove gasoline oil or other flammable liquids.
- Always use the fuse with amperage rating specified for your pump model.
- Wire connections must be sealed by marine sealant.
- This pump is submersible. However, the electric wire connections must not be submerged. For extra protection, cover the butt joints and adjacent wire ends with liquid electrical tape.
- All wires and connections must be above the bilge water level. Unless necessary, please do not remove the insulator repeatedly. Marine sealant oxidant should be used for all wires.

SPECIFICATIONS

- Do not leave the pump running dry while not using.
- To prevent injury, always disconnect the power source when installing or servicing any electrical product.

Model	Flow Rate (GPH)	VoIt (V)	Current (A)	Wire Lead (M)	Outlet Dia	Fuse Amp
BT6188	800GPH	12V	3.7A	1m	3/4"	5.0A

MATERIALS NEEDED FOR INSTALLATION

- 1/2"-thick marine plywood block (slightly larger than pump base)
- Waterproof adhesive (epoxy, silicone adhesive, or fiberglass resin) to mount block.

PUMP MOUNTING INSTRUCTIONS

Step 1: Press the clasps on both sides of the auto bilge pump, and remove the pump mounting base.

Step 2: Use proper guides to ensure optimal mounting position when installing the pump. If you are only installing one pump, it is usually installed in the lowest water level when the boat is at a complete stop with the outlet pointing towards the transom. Be sure outlet nozzle is level. You must install tubes for draining water, in the horizontal level of water pipes, or placing the pump in a higher position. The float end of the pump must be level with or above the pump end (See Figure 1)

Step 3: Make sure the hull thickness is at least 1/2" thick. If not, place a block of 1/2" marine plywood (slightly larger than the pump base) in the lowest part of the bilge. Be sure that the pump cover can be removed for cleaning. Glue the plywood to the hull with waterproof adhesive (epoxy, silicone adhesive, or fiberglass resin). See figure 1.

Step 4: Carefully drill three 1/8" diameter pilot holes in marked area and drive a screw in each hole.

When drilling holes do not drill through the hull.

A: When fixing the mounting base on wood block, use C 4.0mm stainless steel self-tapping screws.

B: If you want to fix the bilge pump to a metal or glass surface, use a 1/2" wooden base and do not install directly to those materials.

PUMP MOUNTING INSTRUCTIONS

Step 5: Connect a standard 3/4" ID pipe to the outlet nozzle, and clamp it by a stainless steel clamp. If use a pipe with smaller diameter, it will reduce the pump's flow.

Slide hose clamps (one to clamp hose to the pump, the other to the thru-hull connector) over end of the hose. Force hose over the discharge nozzle of the pump.

Route hose on an upward incline to the thru-hull connector. Avoid dips in hose that can trap water and airlock the pump. Avoid putting excess tension on hose. Force the hose over the thru-hull boards and clamp into place.

Step 6: WARNING

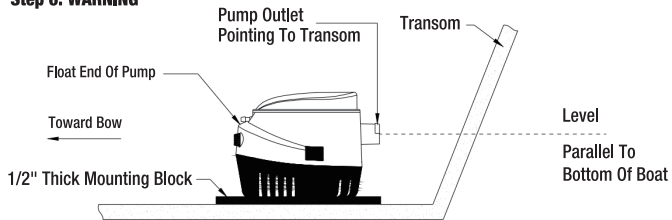
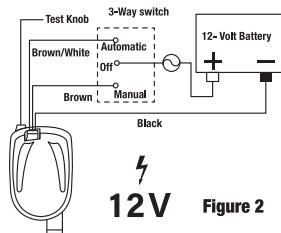


Figure 1

Be sure that power source is 12-volt D.C. Higher voltage will damage the pump.

- Using the full length of wire provided (and additional wire if necessary), connect wires to the pump as shown in Figure 2
- Route wires out of the way and secure them to the bulkhead to avoid pulling.
- Using butt connectors sized for 18-gauge wire, splice fuse holder into positive lead between the battery and switch.
- Install a three-way switch that allows for automatic or manual switching models.
- Turn the pump on and twist the Test Knob clockwise to check operation. Feed water into the pump. If output appears to be too low, check the wire connections. Reversed connections could result in opposite impeller rotation that drastically reduces capacity and can cause premature pump failure.
- In order to prevent ruin or corrosion of the wire, it is important to fasten the ends of the wire and the terminals by insulators or plastic belts at the highest horizontal position as possible.



12V

Figure 2

OPERATION

When brown&white wire is connected to the battery's positive (+) terminal, and the black wire is connected to the battery's negative (-) terminal, the pump has automatic function.

- When the water level rises above the strainer (40-50mm), then the pump automatically turns onto remove.
- When the water level drops to 20-30mm depth, then the pump turns off.

CARE AND MAINTENANCE

- Occasionally check that debris is not jamming the impeller and/or float within the housing.
- To clean the impeller, remove the impeller guard screw and lift the impeller guard.
- Inspect the impeller to ensure that it is firmly attached to shaft and is not cracked or broken.
- Periodically check the electrical connections to ensure they are water-resistant and mounted high and dry.

Do not use household cleaners on the pump because many of them may damage the pump materials.

