

ZFZQAWWQ-12V1100GPH

Generic 12V 1100GPH Submersible Bilge Pump Instruction Manual

Model: ZFZQAWWQ-12V1100GPH

1. PRODUCT OVERVIEW

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Generic 12V 1100GPH Submersible Bilge Pump. Please read these instructions thoroughly before use.



Image 1: Generic 12V 1100GPH Bilge Pump (left) alongside a 750GPH model. The 1100GPH pump features a larger outlet and is labeled for 12-volt operation.

2. SAFETY INFORMATION

- Always disconnect power before installing, cleaning, or performing maintenance on the pump.
- Ensure proper wiring and fuse protection (e.g., 3 Amp fuse for 12V 1100GPH model, as indicated on product images).
- Do not run the pump dry for extended periods, as this can cause damage.
- This pump is designed for pumping water only. Do not use for flammable liquids, chemicals, or other hazardous materials.
- Ensure the pump is securely mounted to prevent movement during operation.

3. SETUP AND INSTALLATION

Follow these steps for proper installation of your bilge pump:

1. **Mounting:** Select a suitable location in the bilge, ensuring the pump is positioned at the lowest point where water collects. Securely fasten the pump using appropriate marine-grade fasteners.
2. **Hose Connection:** Connect a 1-1/8 inch (29mm) internal diameter hose to the pump's outlet port.

Ensure the hose is routed upwards to a through-hull fitting above the waterline, preventing backflow. Use hose clamps to secure all connections.

3. **Wiring:** Connect the pump's wires to your vessel's electrical system. The pump typically has two wires: a positive (+) wire (often brown or black with a stripe) and a negative (-) wire (often black). Ensure connections are waterproof and protected with a properly sized fuse (e.g., 3 Amp for 12V 1100GPH). Refer to your vessel's wiring diagram for specific connections.
4. **Testing:** After installation, test the pump by adding water to the bilge area to ensure it activates and pumps water effectively. Check for any leaks at hose connections.



Image 2: Hose diameter specifications for the 1100GPH (29mm) and 750GPH (19mm) bilge pump models.

4. OPERATING INSTRUCTIONS

This submersible bilge pump is designed for automatic or manual operation, depending on your wiring configuration (e.g., with a float switch for automatic operation, or a manual switch). When connected to a float switch, the pump will activate automatically when water levels rise and deactivate when water is removed.

- **Automatic Operation:** If connected to a float switch, ensure the switch is positioned correctly to activate the pump at the desired water level.

- **Manual Operation:** If wired to a manual switch, activate the switch to turn the pump on and off as needed. Do not allow the pump to run dry for extended periods.

5. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your bilge pump.

- **Inspect Regularly:** Periodically check the pump, wiring, and hose connections for wear, corrosion, or damage.
- **Clean Strainer:** The pump features a removable strainer base. Twist and lift the motor cartridge to access and clean the strainer of any debris (e.g., leaves, hair, sediment) that may impede water flow.
- **Check for Blockages:** Ensure the outlet hose is free from kinks or blockages.
- **Test Operation:** Regularly test the pump's operation, especially before and after extended periods of non-use.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not run.	No power; Blown fuse; Faulty wiring; Motor failure.	Check battery connections; Replace fuse; Inspect and repair wiring; Contact support if motor is faulty.
Pump runs but no water is discharged.	Clogged strainer; Blocked hose; Air lock; Pump not fully submerged.	Clean strainer; Clear hose blockage; Ensure pump is submerged and free of air; Reposition pump.
Pump runs continuously.	Faulty float switch; Water continuously entering bilge; Backflow from discharge hose.	Inspect/replace float switch; Identify and repair water ingress; Check for proper hose routing and anti-siphon loop.

7. SPECIFICATIONS

Model Number	ZFZQAWWQ-12V1100GPH
Structure	Submersible Pump
Voltage	12V DC
Flow Rate	1100 Gallons Per Hour (GPH)
Hose Outlet Diameter	1-1/8 inches (29mm)
Item Weight	500 Grams
Manufacturer	Generic

SIZE:



Image 3: Dimensional drawing of the bilge pump, indicating a width of 90.7mm and a height of 108mm.

8. SUPPORT

For any questions regarding the product, installation, operation, or troubleshooting, please contact our customer service team. We are committed to providing the best possible solution and support.

Note: Specific contact information is typically provided with your purchase documentation.