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› POXURIO 7GPM RV Water Pump User Manual

POXURIO 1

POXURIO 7GPM RV Water Pump User Manual

Model: 1

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your POXURIO 7GPM RV Water Pump. Designed for fresh water systems, this self-priming diaphragm pump is suitable for various applications including RVs, gardens, yachts, and camping setups, providing consistent water pressure with its integrated pressure switch and filter.

KEY FEATURES

- **Excellent Performance:** This RV water pump features 5 chambers, self-priming up to 9.8 vertical feet, and has a head of up to 157 feet. It delivers a water capacity of 7 gallons per minute and can support up to 6 faucets simultaneously.
- **Smart Pressure Switch:** Equipped with an adjustable pressure switch, the pump automatically starts and stops when the faucet is turned on and off. The flow rate can be adjusted between 15-70 PSI to meet specific needs.
- **Overloading & Overheating Protection:** A built-in thermal and overload protection device automatically stops the pump if the motor overheats or experiences over-voltage. It will restart automatically once the motor surface temperature returns to a safe range. The pump can also run dry for short periods.
- **High Quality Construction:** Features a 100% all-copper motor and anti-vibration iron plate mounting feet to reduce noise. The galvanized iron plate is resistant to rust and corrosion, even in humid environments.
- **Wide Application:** With low power consumption and high performance, this diaphragm pump is ideal for garden irrigation, yachts, RVs, homes, agricultural irrigation, car washes, and other pressurized pumping applications.

PRODUCT OVERVIEW



Figure 1: The POXURIO 7GPM RV Water Pump, showcasing its main body, integrated filter, and included connectors.



Figure 2: Detailed view of the pump components, including (1) Motor, (2) Rustproof Iron Sheet, (3) Shockproof Foot Pads, (4) 1/2" Adaptors, (5) 3/4" Water Inlet, (6) Water Filter, (7) Bypass, (8) Pressure Switch, and (9) 3/4" Water Outlet.

SETUP AND INSTALLATION

The POXURIO RV Water Pump is designed for straightforward installation. Follow these steps for proper setup:

- 1. Unboxing:** Carefully remove all components from the packaging. Verify that the pump, filter, and all necessary connectors (including 1/2" adaptors and 3/4" inlet/outlet fittings) are present.
- 2. Filter Installation:** The included mesh filter should be installed on the vacuum (inlet) side of the pump. This helps prevent debris from entering the pump. Hand-tighten the filter onto the inlet port.
- 3. Connector Attachment:** Attach the appropriate 3/4" water inlet and outlet fittings to the pump. The connectors are designed with ribs to ensure a tight fit with your hoses. For added security and to prevent leaks, it is recommended to use hose clamps on all connections.
- 4. Mounting:** Utilize the shockproof foot pads and rustproof iron sheet for stable mounting. Ensure the pump is placed on a flat, secure surface to minimize vibration and noise during operation.

5. **Electrical Connection:** Connect the pump to a 12V DC power source. Ensure proper polarity (red wire to positive, black wire to negative) and secure connections to prevent electrical issues.



Figure 3: Example of the pump connected to a water source and hose for garden use, demonstrating typical setup.

OPERATING INSTRUCTIONS

Your POXURIO water pump is designed for efficient and automatic operation:

- **Automatic Operation:** The integrated pressure switch allows the pump to automatically turn on when water is demanded (e.g., a faucet is opened) and turn off when the demand ceases (e.g., a faucet is closed).
- **Pressure Adjustment:** The pressure switch is adjustable, allowing you to set the desired operating pressure between 15-70 PSI. Refer to the detailed instructions in the included manual for specific adjustment procedures.
- **Flow Rate:** The pump delivers a maximum flow rate of 7 gallons per minute, capable of supplying water to multiple outlets simultaneously.
- **Initial Priming:** The pump is self-priming. Ensure the inlet hose is submerged in water and the outlet is open to allow air to escape during the initial startup. The pump will draw water and begin operation.

AUTO ON/OFF DESIGN

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Figure 4: Illustration of the automatic on/off design, where the pump activates when a faucet is opened and deactivates when closed.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your pump:

- **Filter Cleaning:** Periodically inspect and clean the mesh filter on the inlet side to prevent blockages and maintain efficient water flow.
- **Connection Checks:** Regularly check all hose connections and electrical wiring for tightness and signs of wear or damage. Ensure hose clamps are secure.
- **Winterization:** In freezing temperatures, ensure the pump and water lines are completely drained to prevent damage from ice expansion.
- **General Inspection:** Inspect the pump for any visible damage, corrosion, or leaks. The galvanized iron plate is designed for rust resistance, but regular checks are recommended, especially in humid environments.

TROUBLESHOOTING

If you encounter issues with your pump, consider the following common troubleshooting steps:

- **Pump Not Running:**
 - Check power supply: Ensure the 12V DC power source is active and connections are secure.
 - Verify pressure switch: Confirm the pressure switch is correctly set and not stuck.
 - Check for clogs: Inspect the inlet filter and hoses for any obstructions.
 - Overheat protection: If the pump recently stopped, the built-in thermal protection might have activated. Allow it to cool down.
- **Low Water Pressure:**
 - Clean filter: A dirty inlet filter can restrict flow.
 - Check for air leaks: Ensure all connections are tight and there are no air leaks in the suction line.
 - Verify water source: Ensure adequate water supply to the pump.
- **Pump Runs Continuously (Cycles):**
 - Check for leaks: Even small leaks in the system (faucets, connections, lines) can cause the pump to cycle.
 - Adjust pressure switch: The cut-off pressure might be set too high or require adjustment.

For persistent issues, contact POXURIO customer support.

SPECIFICATIONS

Attribute	Value
Brand	POXURIO
Model Number	1
Voltage	12 Volts (DC)
Maximum Flow Rate	7 Gallons Per Minute
Maximum Lifting Height	9.8 Feet
Item Weight	7.3 pounds (3.32 Kilograms)
Material	Metal
Color	Black
Power Source	DC
Package Dimensions	12.68 x 6.22 x 5.47 inches

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your product packaging or visit the official POXURIO website. Keep your purchase receipt for warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question