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› POXURIO KF370048-02 12V RV Macerator Pump Instruction Manual

POXURIO KF370048-02

POXURIO KF370048-02 12V RV Macerator Pump Instruction Manual

Model: KF370048-02

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your POXURIO KF370048-02 12V RV Macerator Pump. Please read these instructions thoroughly before use and retain them for future reference.

The POXURIO KF370048-02 is a self-priming 12V macerator pump designed for efficient waste disposal from RVs, marine vessels, campers, and other applications requiring the transfer of sewage. It features a quick-release function, robust construction, and an overheating protection system to ensure reliable performance.



Figure 1: The POXURIO Macerator Pump is suitable for a wide range of applications including RVs, marine, and household waste management.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent injury or damage to the pump:

- Ensure the power source is 12V DC and correctly wired. Incorrect voltage can damage the pump.
- Wear appropriate personal protective equipment, including gloves and eye protection, when handling waste.
- Do not operate the pump dry for extended periods. This can cause overheating and damage.
- Ensure all connections are secure and leak-free before operation.
- Keep children and unauthorized personnel away from the pump during operation.
- Do not attempt to pump flammable liquids or corrosive chemicals.
- In case of overheating, the pump will automatically shut off. Allow it to cool down before resuming operation.

3. PACKAGE CONTENTS

Verify that all components are present upon unpacking:

- POXURIO KF370048-02 12V RV Macerator Pump
- Power connection cables (may include alligator clips or cigarette lighter adapter)
- Hose adapters (for inlet and outlet connections)
- Instruction Manual (this document)

4. SPECIFICATIONS

Feature	Specification
Brand	POXURIO
Model Number	KF370048-02
Voltage	12 Volts DC
Maximum Flow Rate	12 Gallons Per Minute (GPM)
Item Weight	3.11 Kilograms
Product Dimensions (L x W x H)	24L x 13.5W x 13H Centimetres
Material	Metal
Wastewater Outlet Diameter	1 inch
Crushed Water Inlet Diameter	3 inches

5. SETUP AND INSTALLATION

Follow these steps for proper setup of your macerator pump:

1. **Positioning:** Place the macerator pump on a stable, level surface near your waste tank outlet. Ensure adequate space for hose connections and power supply.
2. **Inlet Connection:** Connect the 3-inch inlet of the macerator pump to your RV or marine waste tank outlet. Ensure a tight, leak-proof connection using appropriate clamps or fittings.
3. **Outlet Connection:** Connect a 1-inch discharge hose (e.g., a standard garden hose) to the pump's outlet. Route the hose to your desired disposal point (e.g., dump station, sewer connection). Ensure the hose is free of kinks and obstructions.
4. **Power Connection:** Connect the 12V DC power cables to a suitable 12V power source. This can be a car cigarette lighter socket or a 12V battery using the provided adapters. Ensure correct polarity (red to positive, black to negative).

EASY TO USE

POXURIO

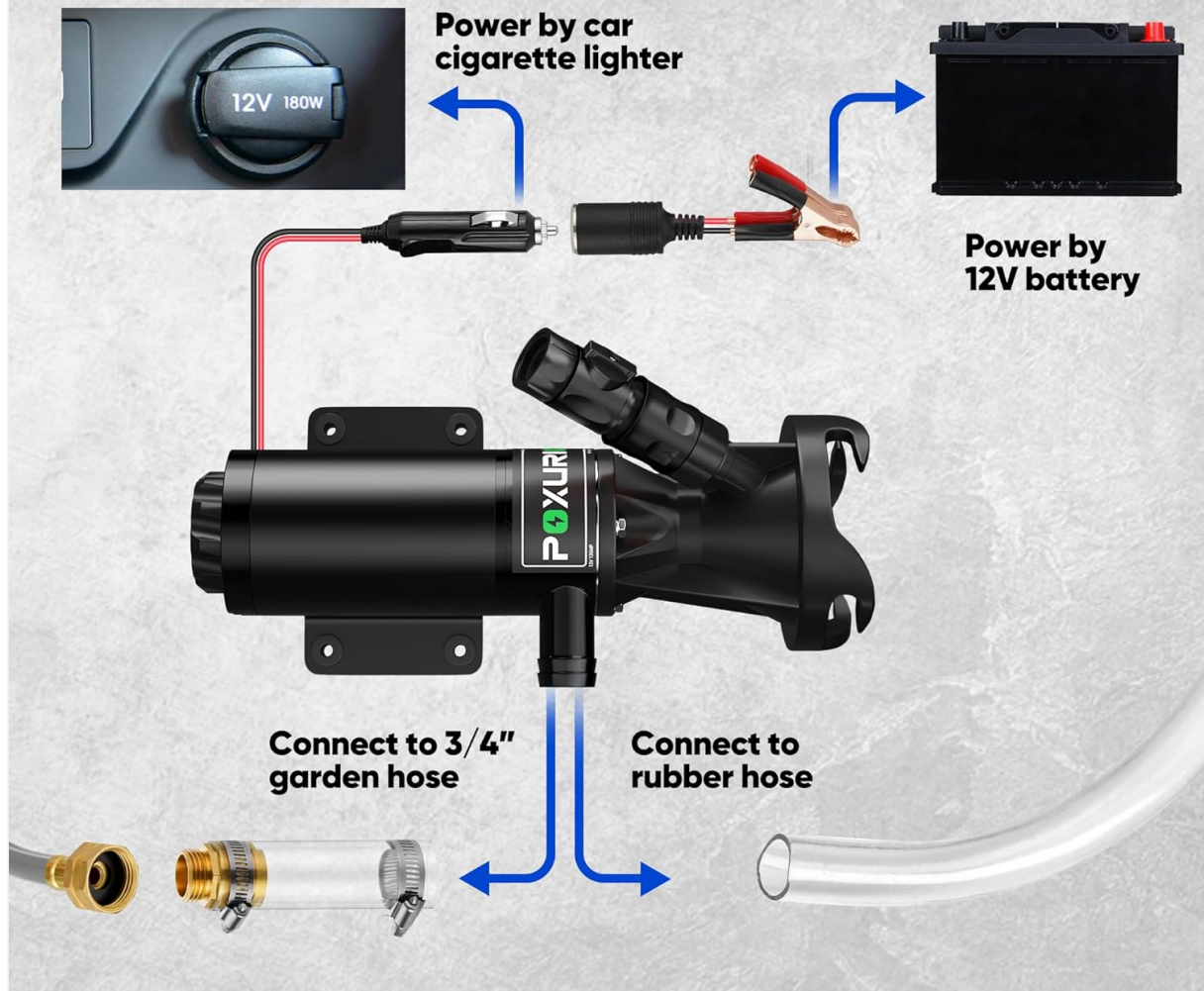


Figure 2: Connection diagram for power and hoses. The pump can be powered by a 12V car cigarette lighter or a 12V battery, and connects to a 3/4-inch garden hose or a rubber hose for discharge.

6. OPERATING INSTRUCTIONS

Once the pump is properly installed and connected, follow these steps for operation:

1. **Prime the Pump (if necessary):** The POXURIO macerator pump is self-priming. However, for optimal performance, ensure there is some liquid in the waste tank before starting.
2. **Activate Power:** Turn on the 12V power supply to the pump. The pump will begin to operate.
3. **Monitor Discharge:** Observe the discharge flow. The pump's 4 spiral blades and 8mm impeller efficiently crush solids, reducing clogging by up to 98%. A standard 40-gallon tank can be emptied in approximately 4 minutes.
4. **Flush System:** After emptying the waste tank, it is recommended to flush the system with clean water to clean the pump and hoses.
5. **Deactivate Power:** Once flushing is complete and the system is clear, turn off the power supply to the pump.

AUTO CLEANING

P0XURIO

**98% CLOGGING
REDUCTION**



4 spiral blades

8mm impeller

Figure 3: The pump's internal design, featuring 4 spiral blades and an 8mm impeller, ensures efficient maceration and a 98% reduction in clogging.

FAST BLOWDOWN

POXURIO

ONLY 4 MINUTES TO EMPTY 40 GAL'S TANK



**12 GPM
FLOW RATE**



**5000 RPM
SPEED**



**12V DC
MOTOR**



**10FT
WATER LIFT**

Figure 4: The pump's high performance allows for rapid emptying of waste tanks, with a 12 GPM flow rate and 5000 RPM motor speed.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your macerator pump:

- **Flushing:** Always flush the pump with clean water after each use to prevent residue buildup and odors.
- **Manual Cleaning:** If the pump experiences reduced flow or appears clogged, use the manual cleaning knob to clear any obstructions.
- **Inspection:** Periodically inspect hoses and connections for wear, cracks, or leaks. Replace damaged components immediately.
- **Storage:** When not in use for extended periods, ensure the pump is thoroughly flushed, drained, and stored in a dry, protected area away from extreme temperatures.



Figure 5: The manual cleaning knob allows for easy clearing of minor obstructions and ensures consistent performance.

8. TROUBLESHOOTING

Refer to the table below for common issues and their solutions:

Problem	Possible Cause	Solution
Pump does not start	No power, incorrect wiring, blown fuse, motor overheated.	Check 12V power connection and source. Verify wiring polarity. Check fuse in power line. Allow pump to cool if it was recently operating and shut off due to overheating protection.
Low flow or no discharge	Clogged inlet/outlet, kinked hose, air leak in suction line, pump running dry.	Check for obstructions in inlet and outlet. Ensure discharge hose is clear. Verify all connections are airtight. Ensure there is liquid in the waste tank. Use manual cleaning knob.
Pump runs but no water moves	Loss of prime, air in system.	Ensure sufficient liquid in the tank. Check for air leaks in the suction line. Briefly run the pump with the discharge hose slightly elevated to help it prime.

Problem	Possible Cause	Solution
Pump is excessively noisy	Air in system, foreign object in impeller, worn bearings.	Check for air leaks. Disconnect power and inspect impeller for foreign objects (refer to maintenance section). If noise persists, contact customer support.
Pump shuts off during operation	Overheating protection activated.	This is a safety feature. Allow the pump to cool down for at least 15-20 minutes before attempting to restart. Ensure adequate ventilation around the pump.

9. WARRANTY AND SUPPORT

For warranty information or technical assistance, please contact POXURIO customer support through your original point of purchase or visit the official POXURIO website. Please have your model number (KF370048-02) and purchase details available when contacting support.