Lilie MOV9956594

Lilie MOV9956594 Diaphragm Water Pump User Manual

Model: MOV9956594

1. Introduction and Overview

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Lilie MOV9956594 Diaphragm Water Pump. Please read this manual thoroughly before installation and use to ensure proper function and to prevent damage or injury.

The Lilie MOV9956594 is a 12-volt diaphragm water pump designed for various applications, including RVs, marine use, and general utility. It is engineered for reliable water transfer and consistent performance.



Image 1.1: Lilie Diaphragm Water Pump, featuring its white and yellow casing and connection ports.

2. Setup and Installation

2.1 Safety Precautions

- Ensure the power supply is disconnected before beginning installation.
- Wear appropriate personal protective equipment (PPE).
- Verify that the voltage of the pump (12 Volts) matches your power supply.

2.2 Mounting the Pump

1. Select a dry, well-ventilated location for mounting the pump, protected from direct sunlight and freezing temperatures.
2. Mount the pump on a solid, flat surface using appropriate fasteners. Ensure the pump is securely fixed to minimize vibration and noise.
3. Allow sufficient space around the pump for ventilation and future maintenance.

2.3 Plumbing Connections

1. Connect the inlet port of the pump to your water source using appropriate hoses and fittings. Ensure all connections are tight to prevent leaks.
2. Install a filter on the inlet side of the pump to protect it from debris.
3. Connect the outlet port of the pump to your distribution system.
4. Avoid kinks or sharp bends in the hoses, which can restrict flow.

2.4 Electrical Connections

1. Connect the pump to a 12-volt DC power supply.
2. Ensure correct polarity: connect the positive (+) wire from the pump to the positive terminal of the power supply, and the negative (-) wire to the negative terminal.
3. Install an appropriate fuse (not included) in the positive power line, close to the battery, to protect the pump and wiring. Refer to the pump's specifications for the recommended fuse size.
4. All electrical connections should be secure and insulated to prevent short circuits and corrosion.

3. Operating Instructions

3.1 Initial Start-Up

1. Once all plumbing and electrical connections are secure, open all faucets in your system to allow air to escape.
2. Turn on the 12-volt power supply to the pump.
3. The pump will begin to run, priming itself and pushing water through the system.
4. Once a steady stream of water flows from the faucets and all air is purged, close the faucets. The pump should then shut off automatically as pressure builds.

3.2 Normal Operation

- The pump is designed to operate on demand. It will turn on automatically when a faucet is opened and turn off when the faucet is closed and system pressure is restored.
- Avoid running the pump dry for extended periods, as this can cause damage.
- Monitor for unusual noises or leaks during operation.

4. Maintenance

4.1 Regular Inspection

- Periodically inspect all plumbing connections for leaks.
- Check electrical connections for corrosion or loose wiring.
- Inspect the inlet filter for debris and clean as necessary.

4.2 Winterization (for cold climates)

- To prevent damage from freezing, drain all water from the pump and plumbing system before temperatures drop below freezing.
- Disconnect the inlet and outlet hoses and allow the pump to run briefly (no more than 30 seconds) to expel any remaining water.
- Alternatively, pump RV-approved non-toxic antifreeze through the system.

5. Troubleshooting

Problem	Possible Cause	Solution
Pump does not run	No power; Blown fuse; Loose wiring; Faulty switch	Check power supply; Replace fuse; Tighten connections; Test/replace switch
Low flow or no water	Inlet filter clogged; Air leak on suction side; Kinked hose; Low water supply	Clean filter; Check all inlet connections for leaks; Straighten hose; Ensure adequate water supply
Pump runs continuously or cycles rapidly	Leak in plumbing system; Open faucet; Pressure switch malfunction	Inspect all plumbing for leaks; Close all faucets; Contact support if pressure switch is faulty
Excessive noise/vibration	Loose mounting; Air in system; Debris in pump	Securely mount pump; Purge air from system; Inspect pump for foreign objects

6. Specifications

Specification	Value
Brand	Lilie
Model Number	MOV9956594
Voltage	12 Volts
Power Source	Electrical Cable
Item Weight	2 Kilograms
Package Dimensions	25 x 20 x 15 cm
Style	Membrane
Color	Neutral

Specification	Value
Product Type Name	Camping Accessory
Included Components	Lilie Diaphragm Water Pump

7. Warranty and Support

For warranty information or technical support, please refer to the documentation provided at the time of purchase or contact your retailer. Keep your purchase receipt as proof of purchase.

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

Details

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