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> Qiilu 4008-101-E65 Automatic Demand RV Water Pump User Manual

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Model: 4008-101-E65

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Qiilu 4008-101-E65 Automatic Demand RV Water Pump. Please read these instructions thoroughly before use and retain them for future reference.

2. SAFETY INFORMATION

- Ensure the power supply matches the pump's voltage requirements (12V DC).
- Disconnect power before performing any installation, maintenance, or troubleshooting.
- Do not pump flammable liquids.
- Professional installation is highly recommended to ensure proper function and safety.
- Keep hands and loose clothing away from moving parts.
- Protect the pump from freezing temperatures.

3. PRODUCT OVERVIEW

The Qiilu 4008-101-E65 is an automatic demand water pump designed for RV applications, providing reliable water flow with energy efficiency. Its robust construction ensures durability and consistent performance.

Key Features:

- Four-chambered diaphragm with adjustable pressure switch and by-pass.
- Capable of dry running without damage.
- Built-in check valve prevents backflow.

- Constructed from high-quality PVC and copper for maximum durability.
- Environmentally friendly design, reducing power consumption.
- Precise design ensures quiet and thermally protected operation.



Figure 3.1: Qiilu RV Water Pump highlighting key features like low power consumption and a built-in check valve.



Figure 3.2: The RV Water Pump emphasizing its precise design, solid construction, ease of use, and environmental benefits.

Quiet Operation
Thermally protected



Figure 3.3: The RV Water Pump showcasing its quiet operation and thermal protection features.

4. SPECIFICATIONS

Specification	Value
Model Number	4008-101-E65 (GPF049)
Material	PVC & Copper
Voltage	12V DC
Current	7.5 Amps (Max 10 Amp recommended)
Flow Rate (GPM/LPM)	3 GPM / 11.3 LPM
Shutoff Pressure	55 PSI / 3.8 bar

Specification	Value
Restart Pressure	25 PSI / 1.7 bar
Max Liquid Temperature	54°C (130°F)
Weight	Approx. 2.18 kg (4.8 lbs)



Figure 4.1: Dimensions of the RV Water Pump (e.g., 20cm/7.9in length, 11cm/4.3in width, 12.7cm/5in height).

5. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Qiilu 4008-101-E65 Automatic Demand RV Water Pump
- 2 x 13mm Pagoda Adapters
- 1 x Universal Filter (Strainer)



Figure 5.1: The universal filter and pagoda adapters included with the water pump.

6. SETUP AND INSTALLATION

Follow these steps for proper installation of your RV water pump. Ensure all connections are secure to prevent leaks.

6.1 Connecting Adapters and Filter

1. Attach the universal filter to the pump's inlet port (marked 'IN').
2. Connect the 13mm pagoda adapters to both the inlet and outlet ports of the pump. Ensure they are tightened securely.
3. Connect your water supply hose to the inlet adapter and the RV's water system hose to the outlet adapter.

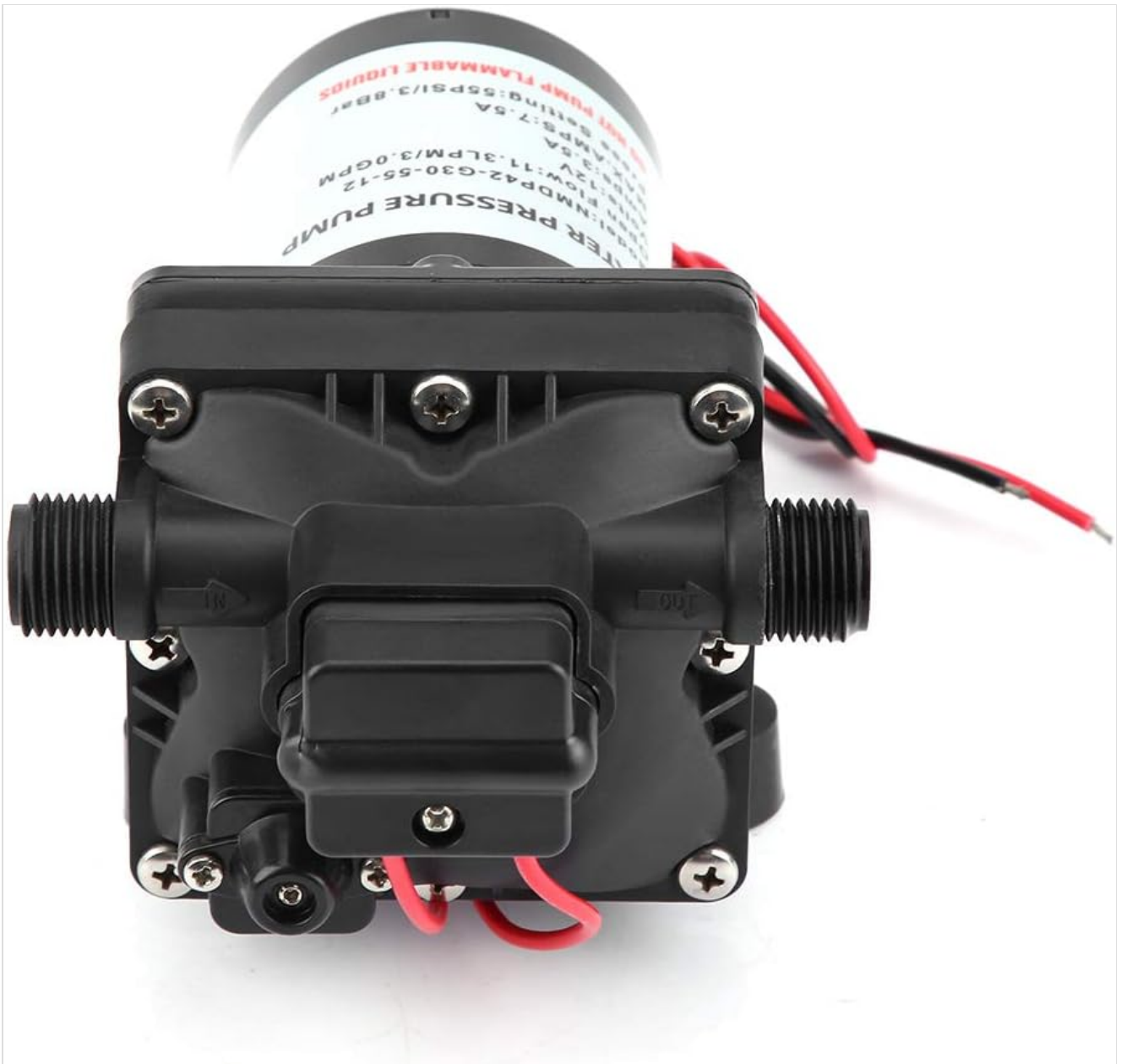


Figure 6.1: Close-up of the pump's 'IN' and 'OUT' ports for hose connections.

6.2 Electrical Connection

- Connect the pump's red wire to the positive (+) terminal of your 12V DC power source.
- Connect the pump's black wire to the negative (-) terminal of your 12V DC power source.
- It is recommended to install a 10 Amp fuse in the positive power line for circuit protection.

6.3 Installation Video Guide

For a visual guide on assembly and testing, please refer to the following videos:

Video 6.1: Detailed assembly and testing process for the RV Water Pump, including connecting adapters and verifying pressure.

Video 6.2: An additional video demonstrating the setup and functionality of the 4008-101-A65 RV Water Pump.

7. OPERATING INSTRUCTIONS

1. Ensure all connections are secure and there are no leaks.

2. Open a faucet in your RV to allow air to escape the system.
3. Turn on the 12V DC power supply to the pump. The pump will begin to run, priming itself and building pressure.
4. Once water flows steadily from the faucet and all air is purged, close the faucet. The pump will shut off automatically when the system reaches its shutoff pressure (55 PSI).
5. The pump will automatically restart when the system pressure drops (e.g., when a faucet is opened) to maintain consistent water flow.

8. MAINTENANCE

8.1 Filter Cleaning

- Regularly inspect and clean the universal filter to prevent debris from entering the pump.
- To clean, disconnect power, unscrew the filter housing, remove the mesh screen, rinse it thoroughly with clean water, and reassemble.

8.2 Winterization

- Before freezing temperatures, drain all water from the pump and plumbing system to prevent damage.
- Consider using RV antifreeze according to your RV manufacturer's guidelines.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not run	No power, blown fuse, loose wiring	Check power supply, replace fuse, secure connections.
Low flow or no pressure	Clogged filter, air in system, kinked hose, low voltage	Clean filter, bleed air, straighten hoses, check voltage.
Pump runs continuously	Leak in system, open faucet, faulty pressure switch	Check for leaks, close all faucets, inspect/replace pressure switch.
Noisy operation	Air in system, loose mounting, debris in pump	Bleed air, tighten mounting screws, clean pump.

10. WARRANTY AND SUPPORT

The Qiilu 4008-101-E65 Automatic Demand RV Water Pump comes with a 3-year warranty. For any questions, technical assistance, or warranty claims, please contact our customer support. We are committed to providing 24-hour satisfactory service.

