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VEVOR LSDP1-060-070-42

VEVOR 12V DC 6 GPM RV Water Pump

INSTRUCTION MANUAL

Model: LSDP1-060-070-42

Product Overview

This VEVOR 12V DC 6 GPM (22.7 L/min) 4-Chamber Self-Priming Diaphragm Water Pump is designed for on-demand water transfer in various applications including RVs, caravans, marine vessels, yachts, and car washing. It features an automatic pressure switch and delivers a maximum pressure of 70 PSI.
Key features include a high-flow rate, automatic start/stop functionality, low noise operation, and durable construction for reliable performance.

Safety Information

- Ensure the power supply matches the pump's voltage (12V DC).
- Do not operate the pump with flammable liquids.
- Always disconnect power before performing any maintenance or installation.
- The pump is not waterproof and is not intended for outdoor use where it may be exposed to direct water.
- Install the pump in a dry, well-ventilated area.

Components Included

The package includes the following items:

- 1 x Diaphragm Water Pump
- 1 x Filter
- 1 x PTFE Tape
- 2 x Hose Adapters
- 2 x Stainless Steel Hose Clamps
- 1 x Allen Wrench
- 1 x User Manual

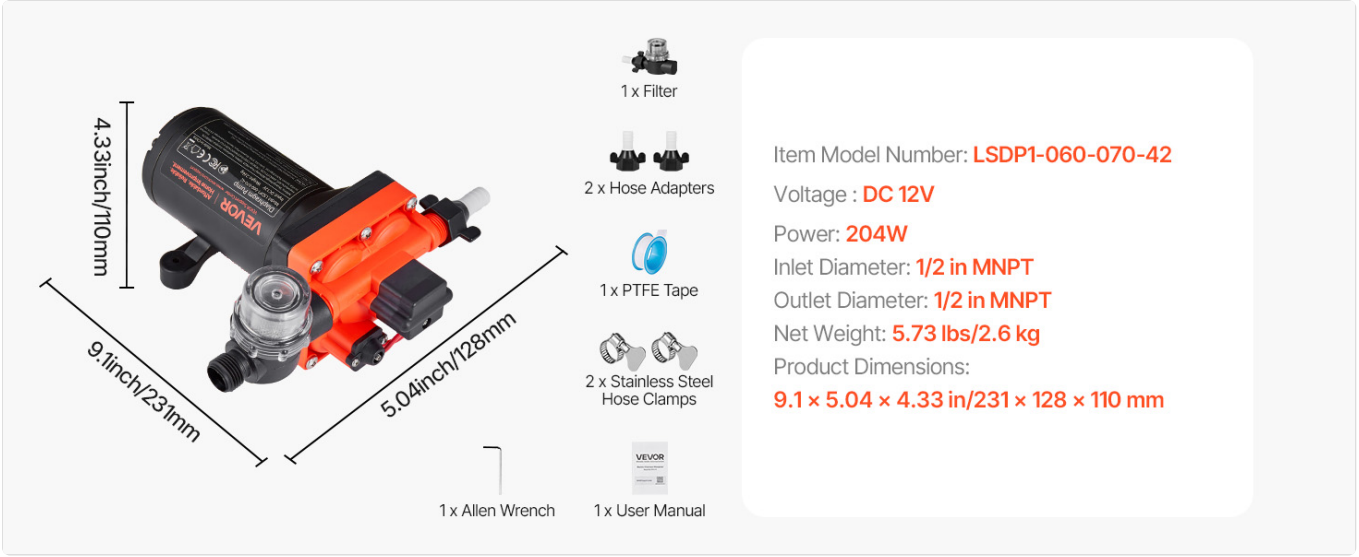


Figure 1: Included Components and Product Dimensions

Specifications

Model Number	LSDP1-060-070-42
Voltage	12V DC
Maximum Flow Rate	6 GPM (22.7 L/min)
Maximum Pressure	70 PSI
Self-Priming Height	10 ft
Inlet/Outlet Diameter	1/2 inch MNPT
Power	204W
Item Weight	5.73 lbs (2.6 kg)
Material	Plastic

Setup

1. **Mounting the Pump:** Securely mount the pump in a dry, protected location. Ensure adequate ventilation around the pump. The pump can be bolted directly to a flat surface.
2. **Hose Connection:**
    - Attach the provided hose adapters to the pump's inlet and outlet ports.
    - Apply PTFE tape to the threads of the hose adapters for a leak-proof seal.
    - Connect standard 1/2-inch hoses to the adapters. Use the stainless steel hose clamps to reinforce connections.
    - Install the filter on the inlet side of the pump to prevent large particles from entering and damaging the pump.

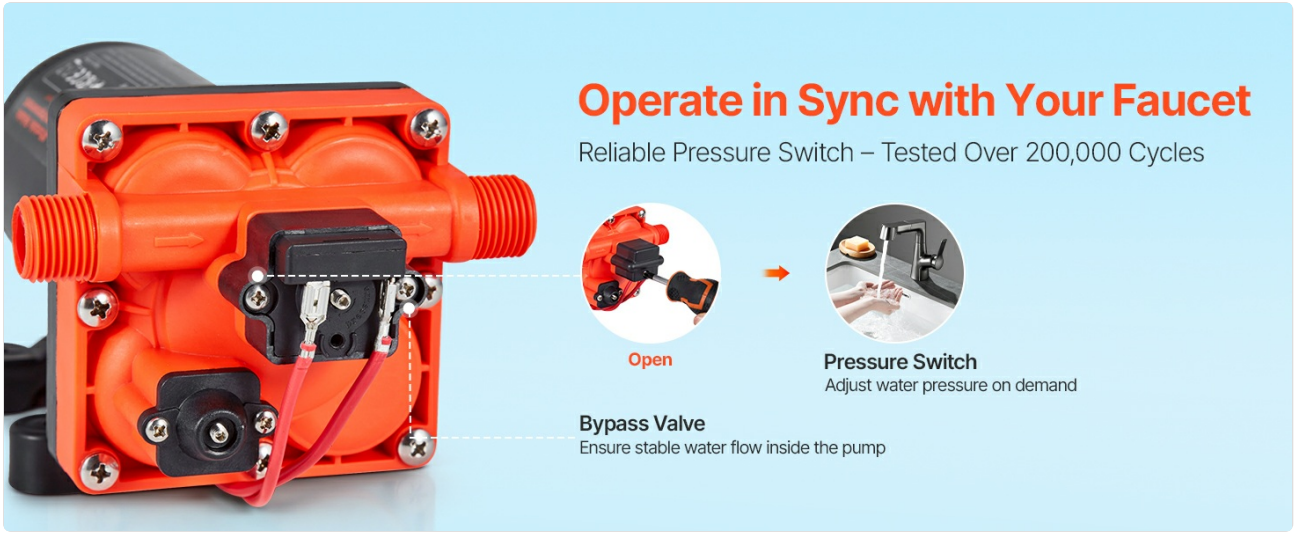


Figure 2: Hassle-Free Setup and Connections



Figure 3: Standard 1/2-Inch Hose Connection Details

3. **Electrical Connection:** Connect the pump to a 12V DC power source. Ensure correct polarity (red wire to positive, black wire to negative).
4. **Priming:** The pump is self-priming up to 10 feet. Ensure the inlet hose is submerged in water before starting the pump for the first time to facilitate quicker priming. The pump supports short dry-run starts.

Operating Instructions

1. **Automatic Operation:** This pump features an automatic pressure switch and bypass valve. When a faucet or outlet is opened, the pump will automatically start. When the faucet or outlet is closed, the pump will automatically stop.
2. **Adjusting Water Pressure:** The water pressure can be adjusted using a hex wrench on the pressure switch. Refer to the detailed diagram for the adjustment screw location.



Figure 4: Automatic Start/Stop Function



Figure 5: Pressure Switch and Bypass Valve

Maintenance

- **Filter Cleaning:** Regularly inspect and clean the inlet filter to prevent blockages and maintain optimal pump performance.
- **Winterization:** In freezing temperatures, drain all water from the pump and hoses to prevent damage.
- **General Inspection:** Periodically check all connections for leaks and ensure the mounting is secure.

Troubleshooting

Problem	Possible Cause	Solution
Pump does not start	No power, incorrect wiring, faulty switch	Check power supply, verify wiring, inspect pressure switch.
Low flow or pressure	Clogged filter, air leak in inlet, kinked hose, low voltage	Clean filter, check inlet connections for leaks, straighten hoses, ensure adequate voltage.
Pump runs continuously	Leak in system, pressure switch malfunction, air in system	Check for leaks in plumbing, inspect pressure switch, bleed air from system.

Excessive noise/vibration	Loose mounting, air in system, debris in pump	Secure mounting, bleed air, inspect pump for foreign objects.

Warranty and Support

For warranty information or technical support, please contact VEVOR customer service. Keep your purchase receipt and model number (LSDP1-060-070-42) readily available for assistance.
You can find contact information on the official VEVOR website or through your retailer.

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