

SEAFLO SFSP1-L016-01

SEAFLO 12V 4.22 GPM (16 LPM) Low Voltage Submersible Galley Pump User Manual

Model: SFSP1-L016-01

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your SEAFLO 12V 4.22 GPM (16 LPM) Low Voltage Submersible Galley Pump. This pump is designed for reliable water transfer in various applications, including marine, RV, and backup battery sump systems. Please read this manual thoroughly before installation and use.

2. SAFETY INFORMATION

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

- Ensure the power source is **12V DC** only. Connecting to an incorrect voltage can cause severe damage.
- Do not run the pump dry for extended periods. While the dry-sealed motor offers protection, continuous dry operation can lead to overheating.
- Ensure all electrical connections are secure and properly insulated to prevent short circuits and electrical hazards, especially in wet environments.
- The pump is designed for water transfer. Do not use it for flammable liquids, corrosive chemicals, or liquids with high viscosity.
- Keep hands and foreign objects clear of the pump inlet during operation.

3. PRODUCT OVERVIEW & COMPONENTS

The SEAFLO submersible galley pump is a compact and efficient unit designed for ease of use and durability. It features a dry-sealed motor and is fully submersible.



Figure 3.1: The SEAFLO 12V Submersible Galley Pump. This image shows the pump's compact design with its white body, orange top, and white power cable.



Figure 3.2: The pump's small size, easily held in the palm of a hand. This illustrates the portability and compact nature of the pump.



Figure 3.3: The pump is engineered for quiet and vibration-free operation, making it suitable for environments where noise is a concern, such as marine or RV settings.



Figure 3.4: The pump's fully submersible design, indicating its capability to operate completely underwater for reliable water transfer.

4. SPECIFICATIONS

Key technical specifications for the SEAFLO 12V Submersible Galley Pump:

Specification	Value
Model	SFSP1-L016-01
Voltage	12V DC

Specification	Value
Flow Rate	4.22 GPM (16 LPM)
Max Draw	4.0A
Outlet Diameter	1/2" (12mm)
Maximum Pressure	0.6 BAR (8.7 PSI)
Wire Leads	18 AWG, 3 ft (1m)
Max Vertical Lift	18 feet (6m)
Product Dimensions (L x W x H)	1.89" x 1.57" x 3.78" (48mm x 40mm x 96mm)
Item Weight	0.01 Ounces

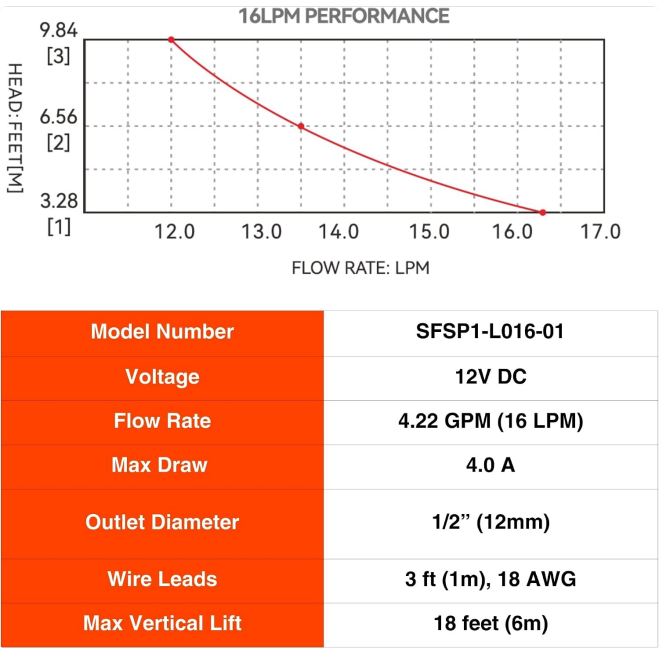


Figure 4.1: A visual representation of the pump's key specifications, including model number, voltage, flow rate, and maximum vertical lift.



Figure 4.2: Detailed product dimensions, showing the length, width, and height of the pump for installation planning.

5. SETUP & INSTALLATION

Follow these steps for proper installation of your SEAFLO submersible pump:

1. **Power Source:** Connect the pump to a stable 12V DC power source. Ensure the polarity is correct (red wire to positive, black wire to negative). The pump comes with 3 ft (1m) of 18 AWG wire leads.
2. **Placement:** The pump is fully submersible. Place it directly into the water tank or sump where it will operate. Ensure it is positioned vertically and securely to prevent movement during operation.
3. **Outlet Connection:** Connect a 1/2" (12mm) hose or pipe to the pump's outlet. Secure the connection with a hose clamp if necessary to prevent leaks.
4. **System Integration:** Integrate the pump into your existing water system (e.g., galley sink, RV water system, sump discharge). Ensure there are no kinks or obstructions in the outlet hose.

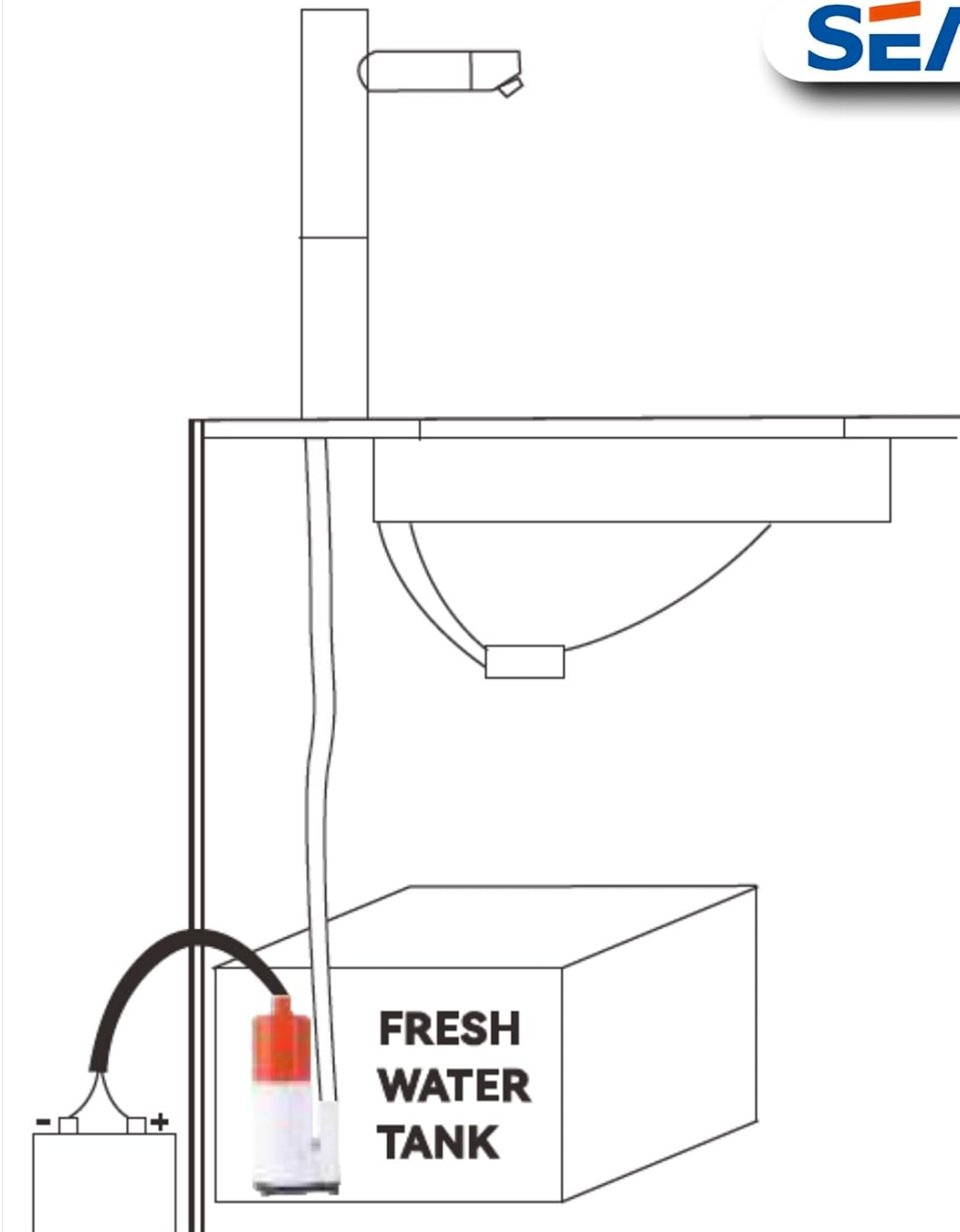


Figure 5.1: An example installation diagram showing the pump submerged in a fresh water tank, connected to a battery and supplying water to a faucet.

6. OPERATING INSTRUCTIONS

Once installed, operating the SEAFLO pump is straightforward:

- **Activation:** Apply 12V DC power to the pump. The pump will begin to transfer water immediately.
- **Continuous Operation:** This pump is designed for intermittent duty. It can operate continuously for up to 30 minutes per cycle. Allow for a cool-down period after 30 minutes of continuous use to ensure longevity.
- **Flow Rate:** The pump delivers a flow rate of 4.22 GPM (16 LPM) at 12V DC, capable of efficiently moving water for various needs.
- **Vertical Lift:** The pump can lift water up to 18 feet (6m) vertically, making it suitable for applications requiring water to be moved against gravity.

7. MAINTENANCE

- The SEAFLO submersible pump is designed for minimal maintenance due to its dry-sealed motor with permanent lubrication. However, regular checks can ensure optimal performance:
- **Inlet Check:** Periodically inspect the pump's inlet for any debris or obstructions that might impede water flow. Clean as necessary.
 - **Hose Connections:** Ensure all hose connections remain tight and free of leaks.
 - **Electrical Connections:** Verify that electrical connections are secure and free from corrosion.
 - **Storage:** If storing the pump for an extended period, ensure it is clean and dry. Store in a cool, dry place.

8. TROUBLESHOOTING

If you encounter issues with your SEAFLO pump, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Pump does not run	No power or incorrect voltage	Check 12V DC power supply and connections. Ensure correct polarity.
	Blown fuse or tripped breaker	Check and replace fuse or reset breaker in the power circuit.
	Motor failure	Contact customer support if power is confirmed and pump still does not run.
Low flow or no water output	Inlet clogged with debris	Remove pump and clear any obstructions from the inlet.
	Kinked or obstructed outlet hose	Inspect the entire length of the outlet hose for kinks or blockages.
	Insufficient water level	Ensure the pump is fully submerged in water.
Pump runs but no water	Air lock	Ensure the pump is fully submerged and the system is primed. Briefly lift and re-submerge the pump to release trapped air.
Excessive noise or vibration	Pump not securely placed	Ensure the pump is stable and not vibrating against tank walls or other surfaces.
	Internal damage	If noise persists and performance is affected, contact customer support.

9. WARRANTY & SUPPORT

Your SEAFLO 12V 4.22 GPM (16 LPM) Low Voltage Submersible Galley Pump is backed by ~~a~~**4-Year Limited Warranty**. This warranty covers defects in materials and workmanship under normal use. For warranty claims, technical support, or any questions regarding your product, please contact SEAFLO Direct, the authorized seller. Keep your proof of purchase for warranty validation. For more information, visit the official SEAFLO store on Amazon:[SEAFLO Store](#)

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

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