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SEAFLO SFMTE1-03-R

SEAFLO 12V Quiet Flush Electric Marine Toilet/Head (Freshwater, Regular) Instruction Manual

Model: SFMTE1-03-R

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your SEAFLO 12V Quiet Flush Electric Marine Toilet/Head. Designed for freshwater systems, this regular-sized unit features a soft-close seat, single-button flush switch panel, and a built-in macerator for efficient waste disposal. Please read this manual thoroughly before installation and use to ensure proper function and longevity of your product.

Product Overview

The SEAFLO 12V Quiet Flush Electric Marine Toilet is engineered for marine and RV applications, offering a quiet and efficient waste management solution. Key features include:

- **Quiet Flush Cycle:** Operates with minimal noise, comparable to a household toilet.
- **Single Button Flush Actuator:** Simplifies operation with dual-function water level control.
- **Freshwater System Compatibility:** Designed to connect to any pressurized water system providing 3.5 GPM (13.5 LPM) flow.
- **Water Control Solenoid Valve:** Includes an anti-siphon breaker to prevent contamination.
- **Vitreous China Bowl:** White, durable, and easy to clean. Available in regular size.
- **Upgraded Macerator Pump:** Built-in for quieter and more effective waste breakdown.
- **Corrosion Resistant Materials:** Ensures durability in marine environments.
- **Soft-Close Seat:** Enhances user comfort and prevents slamming.



Figure 1: Complete SEAFLO 12V Quiet Flush Electric Marine Toilet system, including the toilet, control panel, and solenoid valve.

Setup and Installation

Proper installation is crucial for the optimal performance and longevity of your SEAFLO electric marine toilet. This unit is designed for freshwater systems. For saltwater installations, an additional pump is required (not included with this freshwater model).

Components Included:

- Toilet unit with built-in macerator
- Soft-close seat and lid
- Single-button flush switch panel
- Solenoid valve with anti-siphon breaker

Installation Steps:

1. **Mounting:** Securely mount the toilet unit to the floor. The bowl can be rotated 90 degrees for flexible mounting in confined spaces.



Figure 2: Illustration of the toilet bowl's 90-degree rotation capability for installation in tight areas, along with details of the 3/4" inlet and 1" outlet hose barbs.

2. **Water Connection (Freshwater):** Connect the solenoid valve to your pressurized freshwater system. Ensure the system can provide a flow rate of 3.5 GPM (13.5 LPM). The solenoid valve includes an anti-siphon breaker to prevent backflow contamination of your potable water supply.



Figure 3: Schematic diagram showing the freshwater system connection, including the solenoid valve and switch panel wiring to the toilet and discharge to a holding tank.

3. **Electrical Wiring:** Connect the toilet and switch panel to a 12V DC power source. Refer to the wiring diagram provided with the product for correct connections. The switch panel controls both the water intake (via solenoid valve) and the macerator pump.
4. **Discharge Connection:** Connect the toilet's discharge outlet (1" hose barb) to your waste holding tank. Ensure all connections are secure and leak-free.
5. **Testing:** After installation, perform a test flush to check for leaks and proper operation of the flush mechanism and macerator.

Operating Instructions

The SEAFLO electric marine toilet features a user-friendly single-button flush switch panel for simple operation.

Flush Cycle:

- To initiate a flush, press and hold the flush button on the switch panel.
- The system will automatically add water to the bowl and activate the macerator pump to discharge waste.
- Release the button once the flush cycle is complete and the desired water level is achieved in the bowl.

Water Level Control:

- The single-button switch also allows for water level control. Briefly press the button to add water to the bowl without activating the macerator for a full flush.
- This feature is useful for pre-wetting the bowl or adjusting the water level as needed.

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Video 1: Demonstration of the SEAFLO Quiet Flush Electric Marine Toilet's operation, including the soft-close seat and single-button flush mechanism. This video shows how to flush and add water to the bowl.

Maintenance

Regular maintenance ensures the efficient and hygienic operation of your marine toilet. All components are made from corrosion-resistant materials for marine use.

- **Cleaning:** Clean the vitreous china bowl regularly with mild, non-abrasive cleaners. Avoid harsh chemicals that can damage seals or internal components.
- **Winterization:** If operating in freezing conditions, ensure the system is properly winterized according to standard marine plumbing practices to prevent damage from ice expansion.
- **Inspection:** Periodically inspect all hose connections, wiring, and the macerator pump for any signs of wear, leaks, or corrosion.
- **Macerator Care:** Avoid flushing non-biodegradable items, excessive toilet paper, or foreign objects, as this can clog or damage the macerator pump.

Troubleshooting

This section provides solutions to common issues you might encounter. For problems not listed here, please contact SEAFLO customer support.

Problem	Possible Cause	Solution
Toilet does not flush or macerator does not activate.	No power, clogged macerator, faulty switch.	Check 12V power supply and circuit breaker. Inspect macerator for obstructions. Test switch panel functionality.
Water does not enter the bowl (freshwater model).	No freshwater supply, faulty solenoid valve, clogged water inlet.	Verify freshwater pump is on and tank has water. Check solenoid valve wiring and operation. Inspect water inlet for blockages.
Slow or incomplete flush.	Low water flow, partial macerator clog, discharge line obstruction.	Ensure adequate freshwater flow (3.5 GPM). Clear any partial clogs in the macerator or discharge line.
Leaks around the base or connections.	Loose connections, damaged seals.	Tighten all hose clamps and mounting bolts. Inspect and replace any worn or damaged seals.

Specifications

Feature	Detail
Model Number	SFMTE1-03-R
Voltage	12V
Toilet Type	Electric Marine Toilet/Head
Water Type	Freshwater
Bowl Size	Regular
Color	White

Feature	Detail
Material	Vitreous China (Bowl), Wood (Seat)
Installation Type	Floor Mounted
Item Weight	15.26 Kilograms (33.6 pounds)
Product Dimensions	17 x 16 x 21.5 inches
Required Water Flow	3.5 GPM (13.5 LPM)
Inlet Hose Barb	3/4"
Outlet Hose Barb	1"
Certifications	CE & RoHs Certified

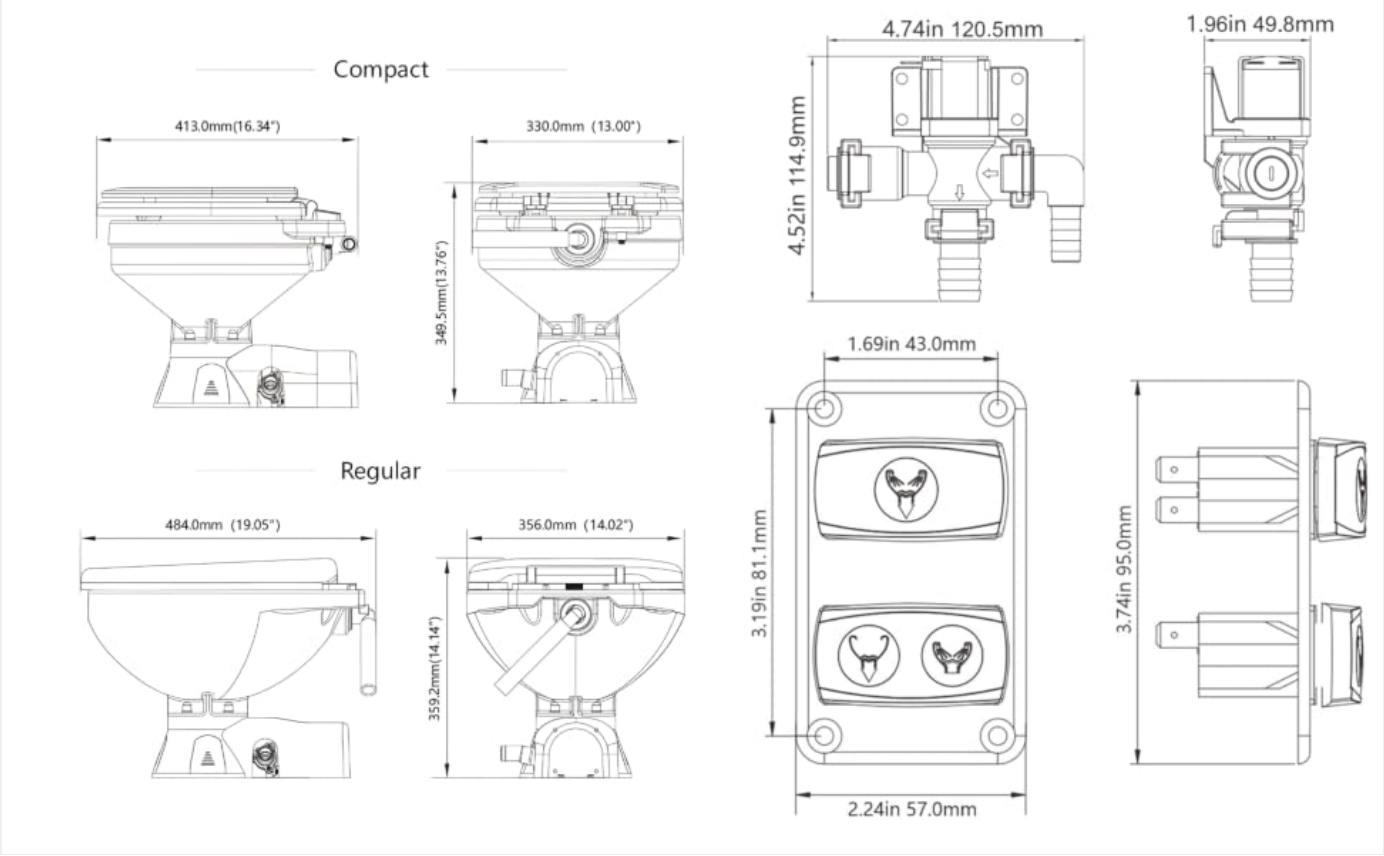


Figure 4: Technical drawing displaying detailed dimensions for the regular-sized toilet, control panel, and solenoid valve, aiding in installation planning.

Warranty and Support

The SEAFLO 12V Quiet Flush Electric Marine Toilet comes with a**4-Year Warranty**, ensuring peace of mind regarding its quality and durability.
For technical assistance, warranty claims, or further information, please visit the official SEAFLO store or contact customer support:

- **SEAFLO Store:** Visit SEAFLO on Amazon
- **Manufacturer:** SEAFLO

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