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› SEAFLO Manual to Electric Marine Toilet Conversion Kit (12V) - User Manual

SEAFLO SFMTP1-02

SEAFLO Manual to Electric Marine Toilet Conversion Kit (12V) - User Manual

Model: SFMTP1-02

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the SEAFLO Manual to Electric Marine Toilet Conversion Kit (12V). This kit is designed to upgrade existing manual marine toilets, such as SEAFLO and JABSCO models, to convenient electric operation, enhancing comfort and ease of use on board.

KEY FEATURES

- Works with SEAFLO and JABSCO marine toilets.
- Direct replacement of the manual flush assembly.
- Built-in macerator with stainless steel chopper plate for efficient waste evacuation.
- High-performance flushing action with 5.0 GPM (18.9 LPM) flow rate.
- Self-priming pump for efficient bowl rinsing.
- Compatible with both standard and compact marine toilets.
- Can be installed on both right and left sides.
- Simple rotary control for 'flush & discharge' or 'discharge only'.
- Built with high-quality components for enhanced reliability in marine environments.

SETUP AND INSTALLATION

The SEAFLO Manual to Electric Marine Toilet Conversion Kit is designed for straightforward installation, replacing the existing manual pump assembly without requiring modification to your current toilet platform or head. Ensure the boat's power is disconnected before beginning installation.



Figure 1: The SEAFLOR Manual to Electric Marine Toilet Conversion Kit (12V) installed on a marine toilet, demonstrating its compact fit and integration.

Manual to Electric Marine Toilet Conversion Kit

Upgrade your boating experience with the SEAFLO Manual to Electric Marine Toilet Conversion Kit, designed for effortless flushing and improved comfort on the water.



Figure 2: Components of the SEAFLO Manual to Electric Marine Toilet Conversion Kit, including the motor assembly and wiring. The kit is available in 12V and 24V models, with the 12V drawing 20 amps and the 24V drawing 10 amps.

Manual to Electric Marine Toilet Conversion Kit

SEAFLO
Make water work for you

The Manual-to-Electric Marine Toilet Conversion Kit is compatible with both standard and compact marine toilets.

Can be installed on both right and left side



SFMTE1-02

SFMTE2-02



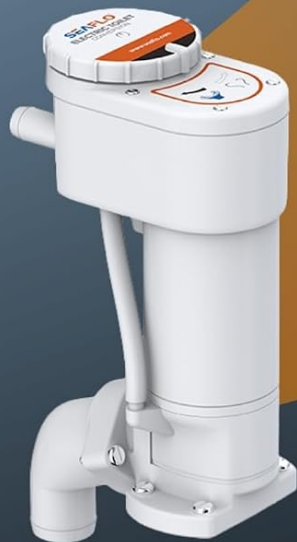
SFMTE1-02-R

SFMTE2-02-R

Figure 3: This diagram illustrates the flexibility of the conversion kit, showing it can be installed on both the left and right sides of the toilet, accommodating various boat layouts.

Built In Macerator

Built-in macerator
with stainless steel
chopper plate



4-Blade Stainless
Steel Chopper
Blade

Figure 4: A detailed view of the built-in macerator, featuring a robust 4-blade stainless steel chopper blade designed for efficient waste breakdown and evacuation.

Enhanced Reliability

Built with high-quality components and durable construction, our electric flush pump offers enhanced reliability and long-term performance, ensuring smooth operation even in demanding marine environments.



Figure 5: Technical drawing providing precise dimensions of the conversion kit, useful for planning installation space. Dimensions are shown in both millimeters and inches.

Installation Steps:

1. **Preparation:** Ensure the boat's power supply to the toilet system is completely disconnected. Close all seacocks related to the toilet.
2. **Remove Manual Pump:** Carefully disconnect the inlet and outlet hoses from the existing manual pump assembly. Remove the bolts securing the manual pump to the toilet and the base.
3. **Install Electric Pump:** Position the new electric conversion kit where the manual pump was located. The kit is designed to fit directly in place of Jabsco or SEAFLO manual pumps. Secure the electric pump to the toilet and the base using appropriate fasteners.
4. **Connect Hoses:** Reconnect the inlet and outlet hoses to the corresponding ports on the electric pump. Ensure all connections are secure and watertight to prevent leaks.
5. **Electrical Wiring:** Connect the 12V DC power supply to the electric pump. The 12V model draws approximately 20 amps. Ensure proper wire gauge is used and connections are secure and protected from moisture. It is recommended to install an appropriate fuse (e.g., 25 amp for 12V) in the circuit.

6. **Testing:** Once installed, open the seacocks and restore power. Perform a test flush to check for proper operation and any leaks.

Your browser does not support the video tag.

Video 1: An overview of the SEAFLO Manual to Electric Conversion Kit, demonstrating its components and general appearance on a boat. This video highlights the ease of installation and the compact design of the unit.

OPERATING INSTRUCTIONS

The electric conversion kit features a simple rotary control for operation. This control allows for two primary functions: flushing with water and discharging waste, or discharging waste only.





Figure 6: A close-up view of the rotary control knob on the top of the electric pump, showing the intuitive symbols for water intake and discharge functions.

Flushing Procedure:

1. **To Flush with Water:** Turn the rotary control knob clockwise. This activates both the water intake and the macerator pump, allowing fresh water to enter the bowl while simultaneously macerating and discharging waste.
2. **To Discharge Only (No Water):** Turn the rotary control knob counter-clockwise. This activates only the macerator pump, discharging waste without adding fresh water to the bowl. This setting is useful for emptying the bowl quickly or for conserving water.
3. **Optimal Flushing:** For thorough cleaning and to prevent unpleasant odors, it is recommended to hold the pump on for an additional 10 seconds after the bowl appears clear when flushing with water. This ensures all contents are fully pumped through the hoses.

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Video 2: Demonstration of the electric toilet conversion kit in operation, showing the water flow and discharge process. The video illustrates how the rotary control is used to manage water intake and waste evacuation.

MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your SEAFLO Electric Marine Toilet Conversion Kit.

- **Regular Cleaning:** Clean the toilet bowl regularly with marine-safe cleaning products. Avoid harsh chemicals that can damage rubber seals or plastic components.
- **Winterization:** Before winter storage or periods of non-use in freezing temperatures, ensure the system is properly winterized. Flush the system with non-toxic antifreeze to prevent freezing and damage to the pump and hoses.
- **Check Connections:** Periodically inspect all hose connections and electrical wiring for signs of wear, corrosion, or leaks. Tighten connections as necessary.
- **Impeller Inspection:** If you notice reduced performance or unusual noises, the macerator impeller may need inspection or cleaning. Refer to a qualified marine technician for internal component maintenance.
- **Use Appropriate Toilet Paper:** Only use marine-grade or RV-safe toilet paper that is designed to break down easily in marine sanitation systems. Regular household toilet paper can cause clogs and damage the macerator.

TROUBLESHOOTING

This section addresses common issues you might encounter with your electric toilet conversion kit.

Problem	Possible Cause	Solution
Pump does not operate.	No power, blown fuse, loose wiring connection.	Check power supply, inspect fuse and replace if blown, verify all electrical connections are secure.
Weak flush or slow discharge.	Clogged intake or discharge hose, worn impeller, low voltage.	Check hoses for obstructions. Inspect and clean/replace impeller if necessary. Ensure adequate voltage supply to the pump.
Unpleasant odors.	Waste remaining in hoses, inadequate flushing, worn seals.	Ensure sufficient flushing time (hold pump on for 10 seconds after bowl clears). Check and replace any worn seals. Use marine-safe odor control products.
Excessive noise during operation.	Air in the system, foreign object in macerator, loose mounting.	Check for air leaks in the intake line. Inspect macerator for foreign objects (disconnect power first). Ensure pump is securely mounted.
Water overflowing the bowl.	Improper use of control, clogged discharge.	Ensure control is set to 'flush & discharge' or 'discharge only' correctly. Check discharge hose for clogs.

SPECIFICATIONS

Attribute	Detail
Brand	SEAFLO
Model Number	SFMTTP1-02
Voltage	12V (also available in 24V)
Current Draw (12V)	20 Amps
Flow Rate	5.0 GPM (18.9 LPM)
Material	Polypropylene
Color	White
Item Weight	6 Pounds
Product Dimensions	6.67 x 3.99 x 12.5 inches
Installation Type	Floor Mounted
UPC	810039490150

WARRANTY AND SUPPORT

SEAFLO products are built with quality and reliability in mind. For specific warranty details and to register your product, please refer to the warranty card included with your purchase or visit the official SEAFLO website. For technical support,

troubleshooting assistance, or to inquire about replacement parts, please contact SEAFLO customer service through their official channels.

Contact Information: Refer to the product packaging or the official SEAFLO website for the most current contact details.

Online Resources: For additional information and resources, visit the [SEAFLO Store on Amazon](#).