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Johnson Pump 10-24800-01

Johnson Pumps Viking Compact Bilge Pump 10-24800-01 User Manual

Model: 10-24800-01

Introduction

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Johnson Pumps Viking Compact Bilge Pump, model 10-24800-01. Please read these instructions carefully before use and retain them for future reference.



Image: Johnson Pumps Viking Compact Bilge Pump, model 10-24800-01. This image shows the compact design of the bilge pump, highlighting its main body and the inlet/outlet ports.

Product Overview

The Johnson Pumps Viking Compact Bilge Pump is a robust, single-chamber diaphragm pump designed for marine applications. Its compact size and versatile port options make it suitable for installation in confined spaces. Key features include:

- Full-capacity, hand-powered operation.
- Designed for installation in tight spaces, with only the handle visible when recessed behind a bulkhead.
- Inlet and outlet ports can be swiveled 360 degrees for flexible plumbing.
- Supplied with connectors for easy installation.
- Durable construction with polypropylene body, ABS cover, and nitrile rubber valves and diaphragm.

Setup and Installation

Proper installation is crucial for the pump's performance and longevity. Follow these steps carefully:

1. **Choose Location:** Select a suitable location for the pump. The Viking Compact is designed for bulkhead mounting, allowing the pump house to be recessed and only the handle visible. Ensure easy access for operation and maintenance.
2. **Mounting:** Secure the pump to the bulkhead using four screws. The pump is self-sealing against the surface with a durable watertight gasket, eliminating the need for additional sealants at the mounting points.
3. **Port Connection:** The pump's inlet and outlet ports can be swiveled 360 degrees. Choose the appropriate port size (1-inch or 1.5-inch) and connect your hoses. Ensure all connections are secure and watertight to prevent leaks and ensure efficient pumping.
4. **Hose Routing:** Route the inlet hose to the lowest point of the bilge where water collects. Route the outlet hose to discharge water overboard, ensuring it is above the waterline to prevent backflow. Avoid kinks or sharp bends in the hoses.

Operating Instructions

The Viking Compact Bilge Pump is a hand-operated pump. To operate:

1. **Engage Handle:** If the handle is stored separately, attach it securely to the pump mechanism.
2. **Pump Action:** Use a steady, rhythmic motion to pump the handle up and down. This action will draw water from the bilge through the inlet hose and discharge it through the outlet hose.
3. **Continue Pumping:** Continue pumping until all unwanted water has been removed from the bilge.

Note: For optimal performance, ensure the pump is free from debris and the hoses are clear.

Maintenance

Regular maintenance ensures the longevity and reliability of your bilge pump.

- **Routine Inspection:** Periodically inspect the pump, hoses, and connections for any signs of wear, damage, or leaks. Check for cracks in the housing or hoses.
- **Cleanliness:** Keep the pump and surrounding area clean. Debris can clog the inlet or outlet, reducing pumping efficiency.
- **Valve Check:** Inspect the nitrile rubber valves and diaphragm for any tears or hardening. Worn valves can lead to reduced suction or discharge. Replace if necessary.
- **Winterization:** In freezing climates, ensure the pump and hoses are completely drained of water to prevent damage from ice expansion.

Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Pump not priming or poor suction.	◦ Air leak in inlet hose or connections. ◦ Clogged inlet strainer or hose. ◦ Worn or damaged valves/diaphragm.	◦ Check all inlet connections for tightness. ◦ Clear any obstructions from the inlet hose and strainer. ◦ Inspect and replace valves/diaphragm if necessary.
Water not discharging.	◦ Clogged outlet hose. ◦ Outlet hose below waterline (backflow). ◦ Pump internal blockage.	◦ Clear any obstructions from the outlet hose. ◦ Ensure outlet hose is routed above the waterline. ◦ Disassemble and clean pump internals.
Pump leaks.	◦ Loose connections. ◦ Damaged gasket or housing.	◦ Tighten all hose connections. ◦ Inspect and replace damaged gaskets or housing components.

Specifications

- **Model:** 10-24800-01
- **Pump Type:** Single-chamber diaphragm pump
- **Material:** Polypropylene body, ABS cover, Nitrile rubber valves and diaphragm
- **Port Sizes:** 1-inch / 1.5-inch (swivelable 360°)
- **Mounting:** Bulkhead mount with self-sealing gasket
- **Item Weight:** 635 g
- **Manufacturer:** Northern Wholesale Supply, Inc (Boating)
- **Brand:** Johnson Pump

Warranty and Support

For warranty information or technical support, please refer to the official Johnson Pump website or contact your authorized dealer. Keep your purchase receipt as proof of purchase.
Manufacturer: Northern Wholesale Supply, Inc (Boating)
Brand: Johnson Pump
For further assistance, visit: www.johnson-pump.com (*Note: This is a placeholder URL, please refer to official product documentation for actual support contacts.*)

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