

Liberty Pumps 237

Liberty Pumps Model 237 1/3 HP Submersible Sump Pump Instruction Manual

Model: 237 | Brand: Liberty Pumps

INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Liberty Pumps Model 237 Submersible Sump Pump. The Model 237 is a 1/3 HP submersible sump pump designed for residential groundwater and basement drainage applications. It features a deep-finned powder-coated aluminum motor housing, a vortex-style impeller to reduce clogging, and a vertical magnetic float switch for automatic operation. Please read this manual thoroughly before installation and retain it for future reference.

SAFETY INFORMATION

WARNING: Risk of electric shock. This pump is supplied with a grounding conductor and grounding-type attachment plug. To reduce the risk of electric shock, be certain that it is connected only to a properly grounded, grounding-type receptacle.

- Always disconnect the pump from the power source before handling or servicing.
- Do not operate the pump in areas where flammable liquids or explosive gases are present.
- Ensure all electrical connections are dry and protected from water.
- Do not use the power cord to carry or lift the pump.
- Keep hands clear of the impeller opening when the pump is connected to power.
- This pump is designed for clear water only. Do not use for sewage or other hazardous liquids.

SETUP AND INSTALLATION

Proper installation is crucial for the efficient and safe operation of your sump pump.

1. **Sump Pit Requirements:** The sump pump requires a sump pit no less than 10 inches in diameter. Ensure the pit is clean and free of debris before placing the pump.
2. **Positioning the Pump:** Place the pump on a solid, level surface at the bottom of the sump pit. Ensure the float switch can move freely without obstruction from the pit walls or other components.

3. **Discharge Piping:** Connect a 1-1/2 inch discharge pipe to the pump's outlet. Use appropriate PVC or other suitable piping materials. It is recommended to install a check valve in the discharge line to prevent water from flowing back into the sump pit when the pump turns off.
4. **Air Lock Prevention:** The pump features a built-in bleeder hole system to avoid air lock. Do not drill additional pilot holes unless specifically instructed by a qualified professional.
5. **Electrical Connection:** Connect the pump's 10-foot quick-disconnect power cord to a properly grounded 115 Volt electrical outlet. Ensure the outlet is protected by a Ground Fault Circuit Interrupter (GFCI).
6. **Testing:** After installation, fill the sump pit with water to activate the pump and ensure it operates correctly, discharging water and shutting off when the water level drops.



Image 1: Liberty Pumps Model 237 Submersible Sump Pump showing its dimensions: 9.6 inches length, 9.6 inches width, and 10.5 inches height. The pump features a black base and top housing, with an orange-finned aluminum motor housing in the center. A power cord extends from the top, and a vertical float switch is visible on the side.

OPERATION

The Liberty Pumps Model 237 operates automatically via its vertical magnetic float switch.

- When the water level in the sump pit rises and lifts the float switch to its activation point, the pump will automatically turn on.

- The pump will continue to operate, discharging water, until the water level drops and the float switch returns to its off position.
- The vortex-style impeller is designed to handle solids up to 3/8 inch, reducing the risk of clogging during normal operation.
- The thermally protected motor ensures extended run life and prevents overheating.

MAINTENANCE

Regular maintenance helps ensure the longevity and reliable performance of your sump pump.

1. **Monthly Inspection:** Periodically check the sump pit for any accumulation of debris, dirt, or sediment that could interfere with pump operation or the float switch. Remove any obstructions.
2. **Float Switch Check:** Manually lift the float switch to ensure it moves freely and activates the pump. Ensure it returns to the off position when released.
3. **Discharge Line:** Inspect the discharge pipe for any leaks or blockages. Ensure the check valve is functioning correctly.
4. **Power Cord:** Examine the power cord for any signs of damage, fraying, or wear. Do not use the pump if the cord is damaged.
5. **Cleaning:** If the pump becomes excessively dirty, disconnect it from power, remove it from the pit, and clean the impeller area and intake screen.

CAUTION: Always disconnect power before performing any maintenance or inspection.

TROUBLESHOOTING

Before contacting customer support, review the following common issues and solutions.

Problem	Possible Cause	Solution
Pump does not turn on.	No power to the pump. Float switch obstructed or faulty. Motor thermal overload.	Check power supply, circuit breaker, and GFCI. Clear any obstructions around the float switch. Allow motor to cool down; it should reset automatically.
Pump runs continuously.	Float switch stuck in the "on" position. Check valve faulty or missing. Discharge pipe blockage.	Check and clear obstructions around the float switch. Inspect or replace the check valve. Clear any blockages in the discharge line.
Pump runs but moves little or no water.	Impeller clogged. Air lock. Discharge pipe blockage.	Disconnect power and clear debris from impeller. Ensure the pump's bleeder hole is clear. Clear any blockages in the discharge line.
Pump is excessively noisy.	Debris in impeller. Pump not sitting level. Worn bearings (less common).	Disconnect power and clear debris from impeller. Ensure pump is on a stable, level surface. Contact customer support if noise persists after checking other causes.

SPECIFICATIONS

Key technical specifications for the Liberty Pumps Model 237 Submersible Sump Pump.

- **Model:** 237

- **Horsepower:** 1/3 HP (0.33 HP)
- **Voltage:** 115 Volts
- **Power Source:** Corded Electric
- **Material:** Aluminum motor housing, Polypropylene base
- **Product Dimensions (L x W x H):** 9.6" x 9.6" x 10.5"
- **Item Weight:** 11 Pounds
- **Maximum Flow Rate:** 44 Gallons Per Minute
- **Maximum Lifting Height:** 21 Feet
- **Discharge Size:** 1-1/2 inches
- **Solids Handling:** Up to 3/8 inches
- **Cord Length:** 10 Feet
- **Switch Type:** Vertical Magnetic Float

WARRANTY INFORMATION

Liberty Pumps, Inc. warrants that pumps and other products of its manufacture are free from all factory defects in material and workmanship for a period of **2 years from the date of purchase**. This warranty covers defects in materials and workmanship under normal use and service.

For warranty claims or service, please retain your proof of purchase and contact Liberty Pumps customer support.

CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to report an issue with your Liberty Pumps Model 237, please contact our customer support team.

- **Website:** Visit the official Liberty Pumps website for FAQs and additional resources.
- **Phone:** Refer to the contact information provided on the Liberty Pumps website or product packaging.
- When contacting support, please have your pump's model number (237) and date of purchase readily available.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

conversion attribution. [Privacy details](#).

Question

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

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question