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› Liberty Pumps P382LE51 Pro380 Series Simplex Sewage System User Manual

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Model: P382LE51 | Brand: Liberty Pumps

INTRODUCTION

The Liberty Pumps P382LE51 Pro380 Series Simplex Sewage System is a large capacity, shallow system designed for efficient groundwater and wastewater removal in residential and commercial applications. Featuring a 24 x 24-inch basin, this system is particularly suitable for installations in bedrock and challenging soil conditions. Its design prioritizes longer pump cycles for extended pump life and ease of maintenance.

KEY FEATURES

- The most advanced residential sewage package available
- Separate access cover
- 24-inch shallow basin for easier burial
- Large 41-gallon capacity
- Anti-flotation collar

SETUP AND INSTALLATION

The Pro380 Series is engineered for straightforward installation, especially in areas with difficult soil. The system arrives pre-assembled from the factory, incorporating QuickTree Technology to reduce labor time on site.

QuickTree Technology

QuickTree Technology is a contractor-friendly feature that allows for easy inspection and replacement of the pump and/or alarm float. Floats are mounted on a stainless steel rod (tree) and suspended within the system by a holder integrated into the main cover. Access to the QuickTree is facilitated by a secondary 'access' cover, eliminating the need to disconnect plumbing or remove the entire pump for maintenance.

Your browser does not support the video tag.

Official product video demonstrating the features and installation aspects of the Liberty Pumps Pro380 Series sewage system, including the QuickTree technology.

Basin Design and Protection

The Pro380 Series features a robust 24 x 24-inch basin with a large 41-gallon capacity. It includes an anti-flotation collar, molded torque-stops, unique integrated cord seal technology, and integral rubber cover seals for secure and reliable operation. For protection during rough-in and masonry work, the system is shipped with a clear disposable construction cover that can be easily removed when finish plumbing is ready.

Important Installation Note: When backfilling around the basin, use small gravel. Avoid native soil, sand, or large rocks to ensure proper support and prevent damage to the basin. This enclosure is not traffic-rated; do not install it in locations where vehicles may drive over it.



OPERATING INSTRUCTIONS

The P382LE51 system is designed to handle sewage and effluent wastewater effectively. Its 1/2-horsepower pump ensures powerful and quiet operation, contributing to longer pump cycles and extended product life.

Pre-Operation Test: Before introducing sewage into the system, it is highly recommended to test the pump's functionality with clean water. Fill the basin with water and observe multiple pump cycles to ensure proper operation and check for any leaks or malfunctions.

Alarm Float: While this specific model may not include an alarm float, plumbing codes often recommend its inclusion to prevent potential property damage in case of pump failure and tank overfilling. Consider installing an external alarm float if your application or local codes require it.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your sewage system. The QuickTree Technology significantly simplifies maintenance tasks.

- **Float Inspection:** Utilize the separate access cover to easily inspect and, if necessary, replace the pump or alarm float without disturbing the main plumbing connections.
- **System Cleaning:** Periodically check the basin for any debris accumulation that might impede float movement or pump operation.
- **Seal Integrity:** Inspect the integrated cord seals and rubber cover seals for any signs of wear or damage to maintain a watertight system.

TROUBLESHOOTING

If you encounter issues with your P382LE51 system, consider the following common troubleshooting steps:

- **Shipping Damage:** Upon arrival, thoroughly inspect the product for any shipping damage. If damage is found, contact your supplier immediately.
- **Leaks at Inlet:** If leaks occur around the inlet stem where the house pipe connects, inspect the molded seam of the inlet stem. If it is not perfectly round, carefully shave it with a razor blade and sand it smooth with sand cloth to ensure a proper seal with the rubber boot.
- **Pump Not Activating:** Check the power supply to the pump. Verify that the float switch is moving freely and not obstructed by debris.
- **Pump Running Continuously:** Ensure the float switch is not stuck in the 'up' position. Check for any blockages in the discharge line.

For persistent issues or problems not covered here, refer to the full installation and operation manual provided with your product or contact Liberty Pumps customer support.

SPECIFICATIONS

Specification	Detail
Brand	Liberty Pumps
Model Number	P382LE51

Specification	Detail
Horse Power	1/2 HP
Product Dimensions	28.5"L x 25.5"W x 27"H
Basin Size	24 x 24-Inch
Capacity	41 Gallons
Material	Stainless Steel (pump components)
Power Source	Corded Electric
Item Weight	65.6 pounds (29.8 Kilograms)
Maximum Flow Rate	140 Gallons Per Minute
Maximum Lifting Height	24 Feet
Voltage	115 Volts
UPC / GTIN	00671812110487

WARRANTY

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.

SUPPORT

For technical assistance, parts, or service inquiries regarding your Liberty Pumps P382LE51 Pro380 Series Simplex Sewage System, please contact Liberty Pumps customer service. Their contact information, including phone numbers and online resources, can typically be found on their official website or in the documentation included with your product.

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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.

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Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for 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