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› Liberty Pumps Pro370 Series Simplex Sewage System P372LE41 Instruction Manual

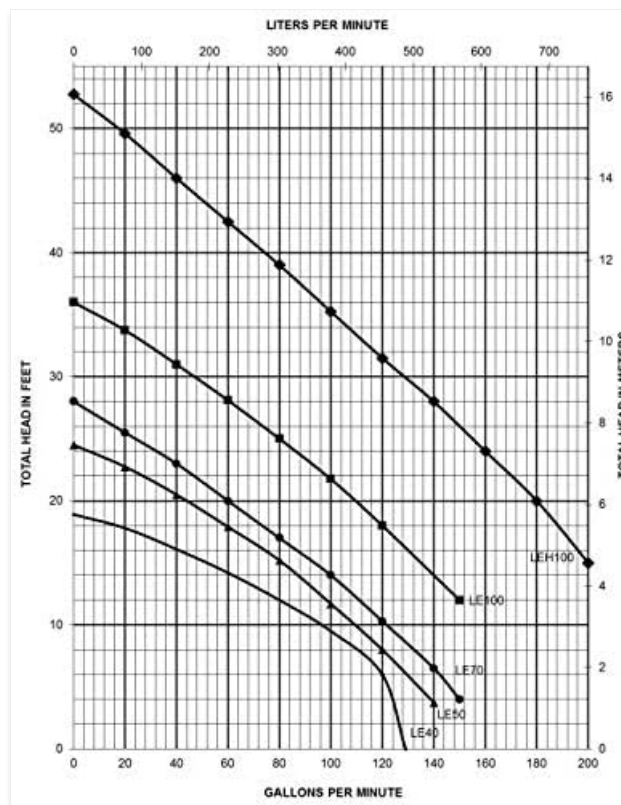
Liberty Pumps P372LE41

Liberty Pumps Pro370 Series Simplex Sewage System P372LE41 Instruction Manual

PRODUCT OVERVIEW

The Liberty Pumps Pro370 Series Simplex Sewage System, model P372LE41, is an advanced residential sewage package designed for efficient waste management. This system features a 4/10-horsepower LE41A submersible automatic sewage pump, capable of pumping up to 129 gallons per minute with a maximum discharge head of 19 feet.

Key features include Liberty's innovative QuickTree Technology, which allows for easy removal of floats without disconnecting plumbing or removing the main cover. The system also incorporates a separate access cover, an anti-flotation collar, molded torque-stops, unique integrated cord seal technology, and integral rubber cover seals. With a 41-gallon capacity, it supports longer pump cycles, contributing to increased pump life. This system arrives from the factory pre-assembled and is available with pre-mounted alarm floats for an "alarm-ready" setup.



This image displays a cross-section of the Pro370 Series Simplex Sewage System, highlighting the submersible pump, float switches, and the robust basin design. The QuickTree technology allows for easy access to the floats without disturbing the main plumbing.

SETUP AND INSTALLATION

The Pro370 Series Simplex Sewage System is designed for straightforward installation, arriving pre-assembled from the factory. For optimal performance and longevity, ensure the installation site provides a level base for the basin.

The system's basin measures 30 inches high, providing ample capacity for residential sewage applications. When installing, consider the inlet hole placement; the Pro370 series typically has a 4-inch inlet located approximately 20 inches from the bottom to the center. Proper installation of the alarm float, if applicable, is crucial. It should be positioned on the opposite side of the pump float to prevent interference and ensure accurate water level detection.

A clear construction cover is included to protect the system's internal components during the rough-in phase and any subsequent masonry work, preventing debris from entering the basin.

Your browser does not support the video tag.

This video provides an overview of the Liberty Pumps Pro Series Simplex Sewage Systems, including the Pro370 and Pro380 models. It highlights key features like QuickTree Technology for float removal, the durable construction, and ease of installation. The video also shows the system being assembled and installed.



The system is shown with its clear construction cover, designed to protect internal components during installation and masonry work. This cover also allows for visual inspection of the system.

OPERATION

The P372LE41 Simplex Sewage System operates automatically, utilizing float switches to detect wastewater levels within the basin. When the wastewater reaches a predetermined level, the pump activates, discharging the contents through the discharge line. Once the level drops, the pump deactivates, ensuring efficient and consistent removal of septic effluent and gray wastewater.

The 41-gallon basin capacity is designed to optimize pump cycles, reducing the frequency of pump activation and extending the overall lifespan of the pump. The system is engineered to handle typical residential sewage demands

effectively.

MAINTENANCE

Regular maintenance is essential to ensure the long-term reliability and performance of your Pro370 Series Simplex Sewage System. The QuickTree Technology simplifies float inspection and removal, allowing for maintenance without extensive disassembly of plumbing.

- **Float Inspection:** Periodically check the float switches for any obstructions or signs of wear. Ensure they move freely and are correctly positioned to activate and deactivate the pump at appropriate levels.
- **System Cleanliness:** While designed for sewage, occasional inspection for excessive buildup or foreign objects within the basin can prevent potential issues.
- **Leak Detection:** Regularly inspect the basin and all connections for any signs of leaks. Address any leaks promptly to prevent system failure and potential damage.

Always disconnect power to the unit before performing any inspection or maintenance to ensure safety.

TROUBLESHOOTING

If your Pro370 Series Simplex Sewage System is not operating as expected, consider the following troubleshooting steps:

- **Pump Not Running:**
 - Check the power supply to the unit. Ensure it is plugged in and the circuit breaker has not tripped.
 - Verify that the float switches are not obstructed and can move freely to activate the pump.
 - Inspect the pump for any visible damage or blockages.
- **Pump Running Continuously:**
 - Check the float switches to ensure they are not stuck in the 'on' position or improperly adjusted.
 - Inspect the discharge line for any blockages or issues that might prevent water from being fully discharged, causing the pump to run longer than necessary.
 - Examine the discharge port for any looseness or damage that could lead to continuous operation.
- **System Leaks:**
 - Inspect all plumbing connections and the basin itself for cracks or loose fittings.
 - Ensure the cover is properly sealed and secured.

If these steps do not resolve the issue, it is recommended to contact a qualified plumbing professional or Liberty Pumps customer support for further assistance.

SPECIFICATIONS

Feature	Specification
Brand	Liberty Pumps
Model Number	P372LE41
Horse Power	4/10 HP

Feature	Specification
Product Dimensions (L x W x H)	24"L x 24"W x 32"H
Item Weight	60 Pounds
Maximum Flow Rate	129 Gallons Per Minute
Maximum Lifting Height	19 Feet
Voltage	115 Volts
Material	Cast Iron
Basin Capacity	41 Gallons



This chart illustrates the performance characteristics of various Liberty Pumps LE series models, including the LE41A pump used in the P372LE41 system. It shows the relationship between total head (vertical lift) and flow rate (gallons/liters per minute) for different pump models.

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. For detailed warranty terms and conditions, please refer to the official warranty document provided with your product or contact Liberty Pumps directly.

CUSTOMER SUPPORT

For technical assistance, parts, or any questions regarding your Liberty Pumps Pro370 Series Simplex Sewage System, please contact Liberty Pumps customer support. Refer to the contact information provided in your product packaging or visit the official Liberty Pumps website for current support options.

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

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

Answered questions about this manual

Is the Liberty Pumps Simplex model P372LE41 a grinder pump?

No, the Liberty Pumps P372LE41 is not a grinder pump; it is a sewage/effluent pump system. Specifically, it is part of the Pro370 Series Simplex Sewage System and utilizes the LE41A submersible automatic sewage...

[Read full answer](#)