

Installation Instructions

7198000E

QuickTree®

for Pro370 and Pro380-Series Systems



QuickTree® kit for P370-Series

MODEL	DESCRIPTION
QT370-115-10	P370 System 115V 10' Cord
QT370-115-25	P370 System 115V 25' Cord
QT370-230-10	P370 System 230V 10' Cord
QT370-230-25	P370 System 230V 25' Cord

QuickTree® kit for P380-Series

MODEL	DESCRIPTION
QT380-115-10	P380 System 115V 10' Cord
QT380-115-25	P380 System 115V 25' Cord
QT380-230-10	P380 System 230V 10' Cord
QT380-230-25	P380 System 230V 25' Cord

Safety Precautions

⚠ WARNING RISK OF ELECTRIC SHOCK

- Always disconnect pump(s) from power source(s) before handling or making any adjustments to either the pump(s), the pump system, or the control panel.
- All electrical and safety practices shall be in accordance with the National Electrical Code®, the Occupational Safety and Health Administration, or applicable local codes and ordinances.
- Pump shall be properly grounded using its supplied grounding conductor. Do not bypass grounding wires or remove ground prong from attachment plugs. Failure to properly ground the pump system can cause all metal portions of the pump and its surroundings to become energized.

NOTICE

- ◆ Installation and service shall be performed by qualified personnel only.

The Pro-Series sewage systems by Liberty Pumps feature QuickTree® float technology. The QuickTree system is located under a separate access cover for ease of maintenance and service. Floats for both pump activation and alarm (if equipped) are mounted on a stainless steel tree (rod) separate from the pump. There is no need to disconnect plumbing or remove the pump to inspect, service, or replace floats. QuickTree floats are preset at the factory for optimum operating levels and do not require adjustment. Field adjusting floats may cause improper activation or turn-off of the pump and optional alarm.

For proper pump installation, follow instructions included with the Liberty Pumps LE-Series pumps.

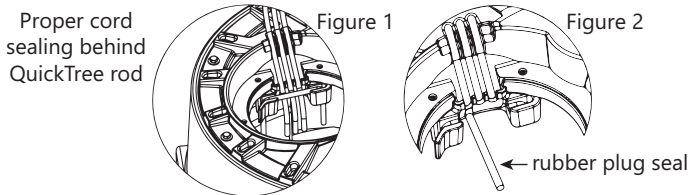
Refer to Pro370 and Pro380-Series installation manual for complete list of Safety Precautions. www.libertypumps.com/wp/dom/Products/Sewage-Pumps-Systems/Simplex-Packages/pro380-series

Access Cover and Float Switch Control

QuickTree removal and float inspection: To inspect the float(s), simply unbolt the access cover and lift out the QuickTree assembly from its holder. There is no need to disconnect plumbing or remove the pump. Operation of the pump is accomplished by the QuickTree system.

Re-inserting the QuickTree: After service or inspection of the floats, re-insert the QuickTree into its holder. It is important that cords from the pump motor, float switch, and optional alarm float are properly sealed in the specially designed rubber sealing channels under the access cover. Proper sealing is required to keep sewer gas from leaking from the system. Place the cords securely in the rubber channels as shown in Figure 1, being careful to remove excessive cord "slack" from inside the system.

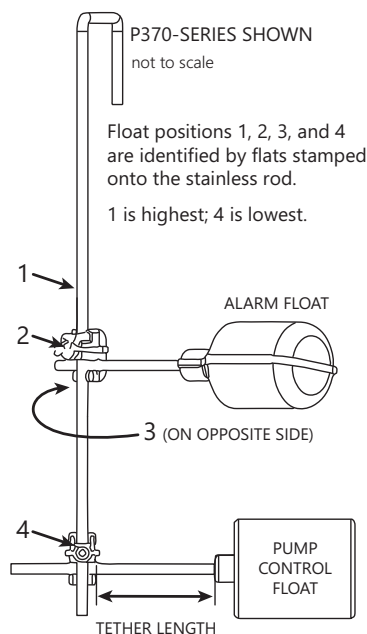
IMPORTANT: Three cord channels are provided. For systems without the alarm option, only two channels are used and the third must be "plugged" with an attached rubber plug seal. See Figure 2. If the alarm cord is present, all three channels will be used. All rubber cover gaskets are permanently attached and do not require replacement.



QuickTree Settings

When servicing the QuickTree, place the switch cord into the trough or channel and then slip the stainless steel rod through the clamp. Tighten the screw with a Phillips screwdriver, being careful not to over-tighten. Flats have been stamped on the rod to designate float position, and the screw should be tightened onto the flat. Tether length is the amount of cord between the clamp and float.

Pro370 and Pro380 systems have different tether lengths. See below for proper tether length and correct rod position.



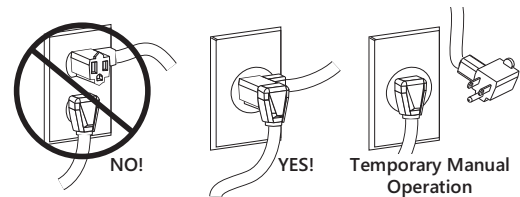
Rod Position	Pro370-Series		Pro380-Series	
	Alarm	Control	Alarm	Control
1			3.5"	
2	3.5"			
3				3"
4		3.5"		

Piggyback Switch Operation

All P370 and P380 models come factory-equipped with the float switch mounted on the QuickTree assembly. These models come with two cords—one to the float switch and the other to the pump motor. The switch cord has a series (piggyback) plug enabling the pump (motor) cord to be plugged into the back of it. The purpose of this design is to allow manual operation of the pump.

For automatic operation, the two cords should be interconnected and plugged into a separately fused, grounded outlet of proper amp capacity for the pump model. Both cords are equipped with 3-prong plugs and must be plugged into a properly grounded 3-wire receptacle. **Do not remove the ground prongs.**

For manual operation, or in the event of switch failure, the pump cord can be separated and plugged into the electrical outlet, directly bypassing the switch. 208–230V, 1-phase pumps should only be operated without the float switch by using the circuit breaker or panel disconnect. Do not let the pump run dry for extended periods.



Automatic Pump Direct Wiring

⚠ WARNING ⚡ RISK OF SERIOUS INJURY OR DEATH

- In 208/230V installations, one side of the line going to the pump is always "hot", whether the float switch is on or off. To avoid hazards, install a double pole disconnect near the pump installation.

If a 1-phase, 115 or 208/230V pump will be wired directly into a control device or junction box, and it is necessary to remove the plug, a certified electrician shall complete the wiring in accordance with the National Electric Code and applicable local codes. A disconnecting means for the pump shall be located in sight from the pump/basin location.

