Liberty Pumps®

A Family and Employee Owned Company

Installation **Manual**

7264000H

8" Basin Extension for Pro-Series Systems

Models

X8

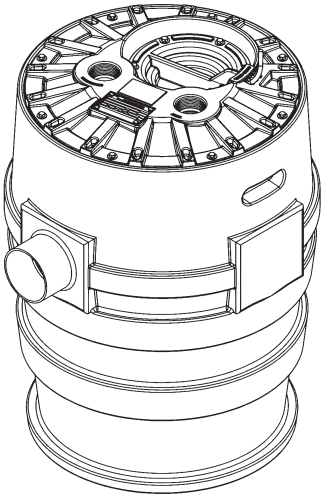
For Pro370 and Pro380 Systems

X8-D

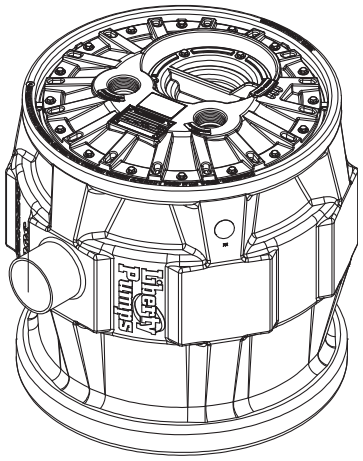
For Pro680 Systems

Features

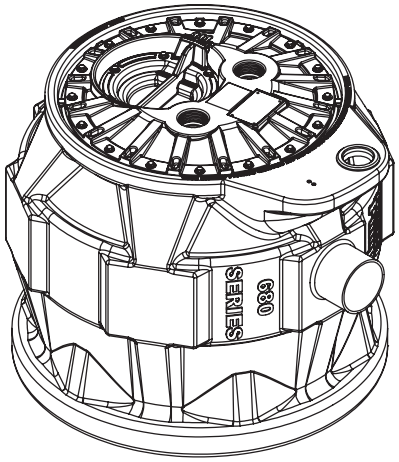
- 8" Molded Extension
- Rubber Gasket Seal
- Sixteen Stainless Steel Studs and Flange Nuts
- Discharge Pipe Extenders



Pro370



Pro380



Pro680

IMPORTANT: All Liberty Pumps systems are supplied with their own separate Installation/Operation/Maintenance manuals. Ensure receipt of these manuals, and that they are read and understood prior to installation. For questions, call Liberty Pumps customer service at 1-800-543-2550.

NOTICE **Installer: Manual must remain with owner or system operator/maintainer.**

Record information:

System: _____

Model(s): _____

Serial(s): _____

Date Code: _____

Install Date: _____

7000 Apple Tree Avenue
Bergen, NY 14416
ph: 1-800-543-2550
fax: 1-585-494-1839
www.LibertyPumps.com

Keep this manual handy for future reference.

For replacement manual, visit LibertyPumps.com, or contact Liberty Pumps.

Retain dated sales receipt for warranty.

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Safety Guidelines

	This safety alert symbol is used in the manual and on the pump to alert of potential risk for serious injury or death.
	This safety alert symbol identifies **risk of electric shock**. It is accompanied with an instruction intended to minimize potential risk of electric shock.
	This safety alert symbol identifies **risk of fire**. It is accompanied with an instruction intended to minimize potential risk of fire.
	This safety alert symbol identifies **risk of serious injury or death**. It is accompanied with an instruction intended to minimize potential risk of injury or death.
	This safety alert symbol identifies battery hazards. It is accompanied with an instruction intended to minimize potential risk from the battery.
⚠DANGER	Warns of hazards which if not avoided **will** result in serious injury or death.
⚠WARNING	Warns of hazards which if not avoided **could** result in serious injury or death.
⚠CAUTION	Warns of hazards which if not avoided **could** result in minor or moderate injury.
NOTICE	Signals an important instruction related to the pump. Failure to follow these instructions could result in pump failure or property damage.

⚠WARNING	Read every supplied manual before using this product. Specifications are subject to change without notice. Follow all the safety instructions in manual(s) and on the pump. Failure to do so could result in serious injury or death.

Safety Precautions

⚠WARNING  **RISK OF ELECTRIC SHOCK**

- Single-phase 208/230V pumps shall only be operated without the float switch by using the circuit breaker or panel disconnect.

⚠WARNING  **RISK OF SERIOUS INJURY OR DEATH**

- Energizing the control panel or breaker for the first time is potentially dangerous. Licensed electrical personnel should be present when the panel or breaker is energized for the first time. If faults caused by damage or poor installation practices have not been detected, serious damage, injury or death can result when power is applied.

X8 and X-D Extension Installation

Before installing the X8 or X8-D basin extension, the pump and cover must be removed from an assembled Pro-Series system.

1. Remove the small access cover that is secured by 6 fasteners.
2. Remove the QuickTree® (float rod and floats) from the basin by lifting the unit out of its holder.
3. Unscrew the fasteners securing the main cover to the tank. In order to remove the main cover, it must be separated from the PVC discharge pipe. This can be done by rotating the cover back and forth while pulling upward.

Re-assembly:

1. The short length of pipe and the coupling must be "glued" to the current discharge pipe(s).
2. Place the pump(s) with pipe into the basin and position it within the torque stops. (The torque stops are the three round pockets located at the bottom of the basin.) Each leg of the pump should be inside one of the pockets.
3. Install the threaded stainless steel studs in tank (finger-tight) until they bottom out in the threaded inserts. Standard systems use 8 studs; XL systems require 16 for proper sealing.
4. The rubber gasket seal can now be placed over the studs and seated onto the tank's rim.
   4a. For 8 bolt systems, it is highly recommended that the installer apply liberal amounts of sealant (such as silicone) on both sides of the rubber gasket seal surface to ensure proper sealing.
5. Lower the extension over the studs until it is firmly seated on the rubber gasket seal.
6. Install the stainless steel flange nuts on the studs and torque to 40 in-lbs. **IMPORTANT: Do not over tighten.**
7. Re-attach the main cover. To facilitate assembly, wet the PVC pipe with soapy water and insert into the rubber seal under the cover. The cover can be twisted back and forth while pushing down until the cover meets the extension. Re-attach the cover with the same screws that were removed. **Note:** XL-systems will have 16 screws.
8. A new, longer QuickTree rod is provided with the X8/X8-D extension. Remove the floats from the original QuickTree rod by loosening the screw on the clamp. For systems with an optional alarm, two floats need to be removed.
9. Re-attach the float(s) to the new, longer QuickTree rod referencing Figure 5 or Figure 6 (according to system). **IMPORTANT: It is critical that the tether length remains the same after re-installation. The tether length is the cord distance from the clamp to the top of the float ball.**

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10. The QuickTree rod has four "flat" sections. The upper two are used in a Pro380/Pro680-Series system and the lower two positions are used in a Pro370 system. The lowest float is the pump control float; the highest is the alarm float (if system is equipped with the alarm option).

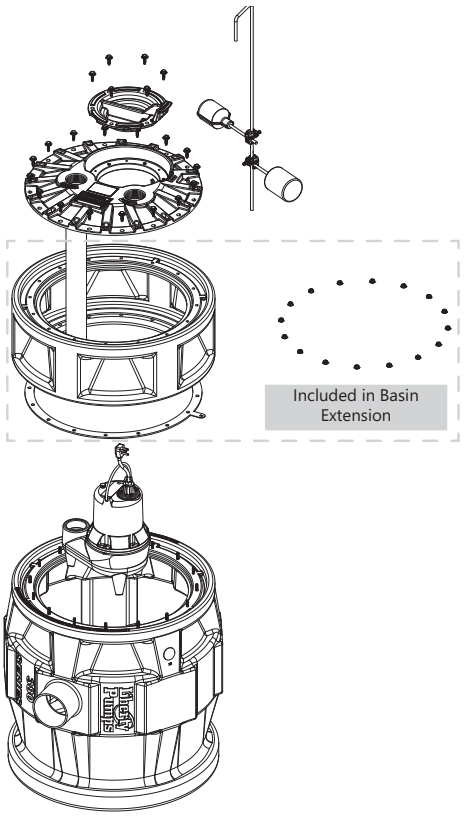


Figure 1.

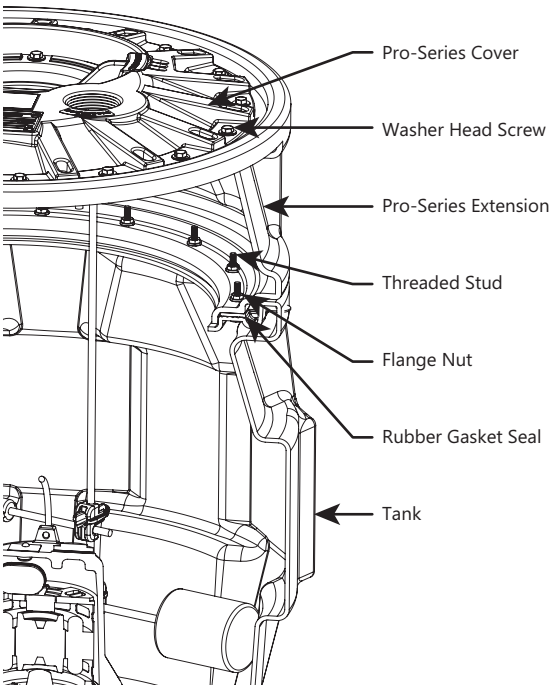


Figure 2.

New Discharge Pipe Configuration

Pro380-Series and Pro680-Series

The new length of pipe required is 25-3/8", which is 8" longer than the one in the system. Models X8/X8-D include a coupling and short length of pipe that must be "glued" to the existing discharge pipe; X8-D contains two extensions.

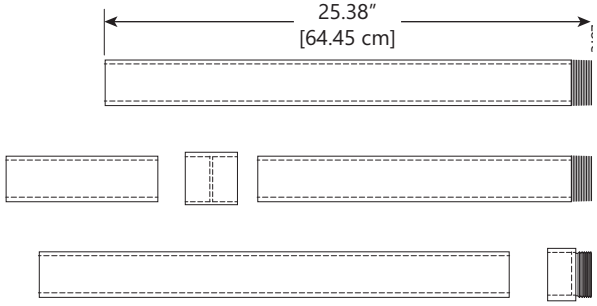


Figure 3.

Pro370-Series

The new length of pipe required is 31-5/8", which is 8" longer than the one in the system. Model X8 includes a coupling and short length of pipe that must be "glued" to the existing discharge pipe.

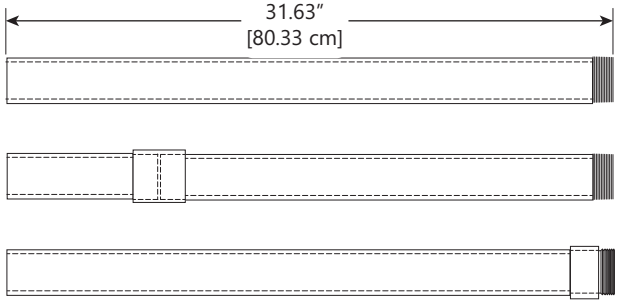


Figure 4.

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QuickTree (Float Tree)

Pro380-Series and Pro680-Series

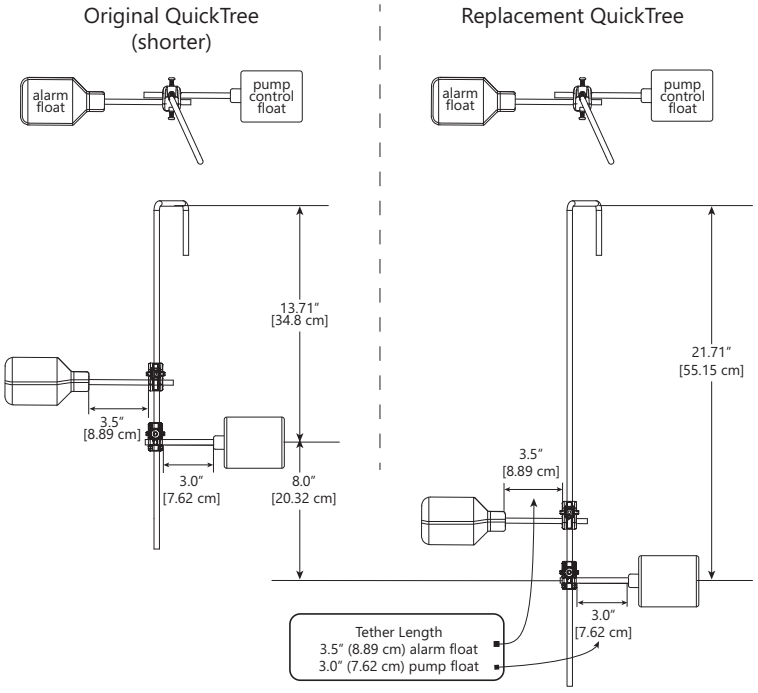


Figure 5.

Pro370-Series

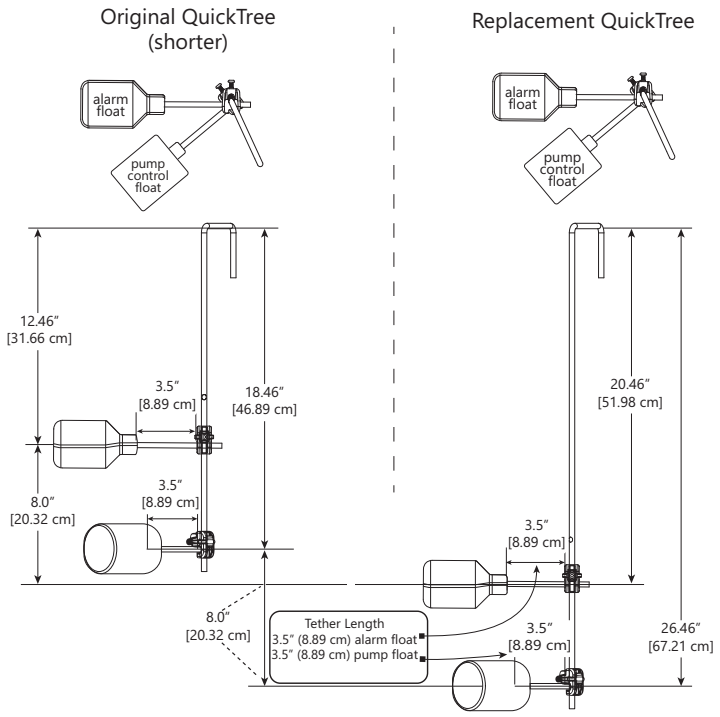


Figure 6.

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