

# PRO680-SERIES

Duplex Pump System

# Liberty Pumps®

A Family and Employee Owned Company

## 2" Discharge

Compact duplex system - designed for residential and light commercial sewage applications.

Perfect for basement bathroom additions and remodeling projects.

Available in 115V or 230V.

Fully assembled from factory.

## Features

- Robust system features a compact heavy-duty polyethylene basin and cover
- Solids handling and ProVore® grinder models available
- 46 Gallon capacity
- System can be installed above or below floor level
- Two pumps provide uninterrupted service
- Easy access cover with QuickTree® technology – allows for quick float switch removal and servicing
- Heavy-duty integrated rubber gaskets on covers
- Secure 16-bolt cover standard on all models
- Passes 10' stack test



Indoor Model Shown

Includes duplex pump controller and alarm. Plug-in ready cords for quick, easy installation on indoor model. (Indoor and outdoor models available.)

# Pro680

QuickTree® Technology



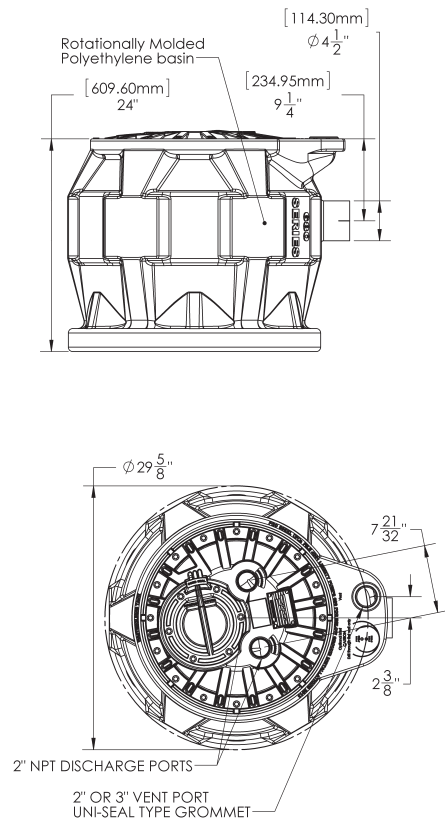
# innovate. evolve.

# Pro680-Series

## Features

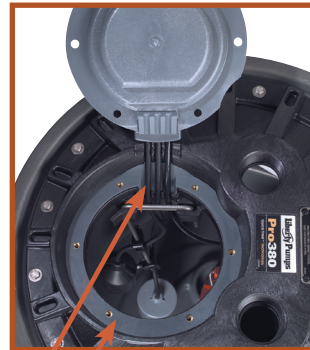
- QuickTree® technology allows easy access and removal of float switches without disturbing pump or plumbing
- Integrated rubber seals permanently attached to cover
- Unique cord seal technology integrated into the inspection cover
- Shallow basin design (24") for easier installation in difficult soil/bedrock locations
- Large 46 gallon capacity for longer pump cycles
- Integrally-molded torque stops secure the pump in its proper position
- Integrally-molded anti-flotation collar
- Durable polyethylene construction
- Completely assembled

## Dimensional Data



## QuickTree® Technology

### Integral Rubber Seals



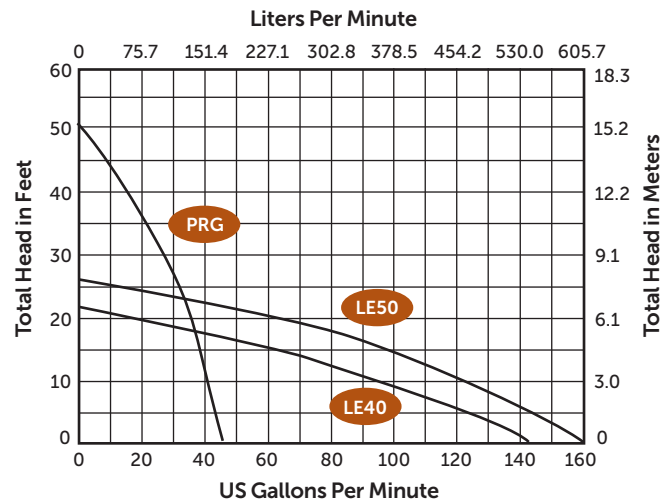
Unique integrated cord seal technology and permanent rubber cover gaskets.

Float switches are easy-to-service with QuickTree® Technology



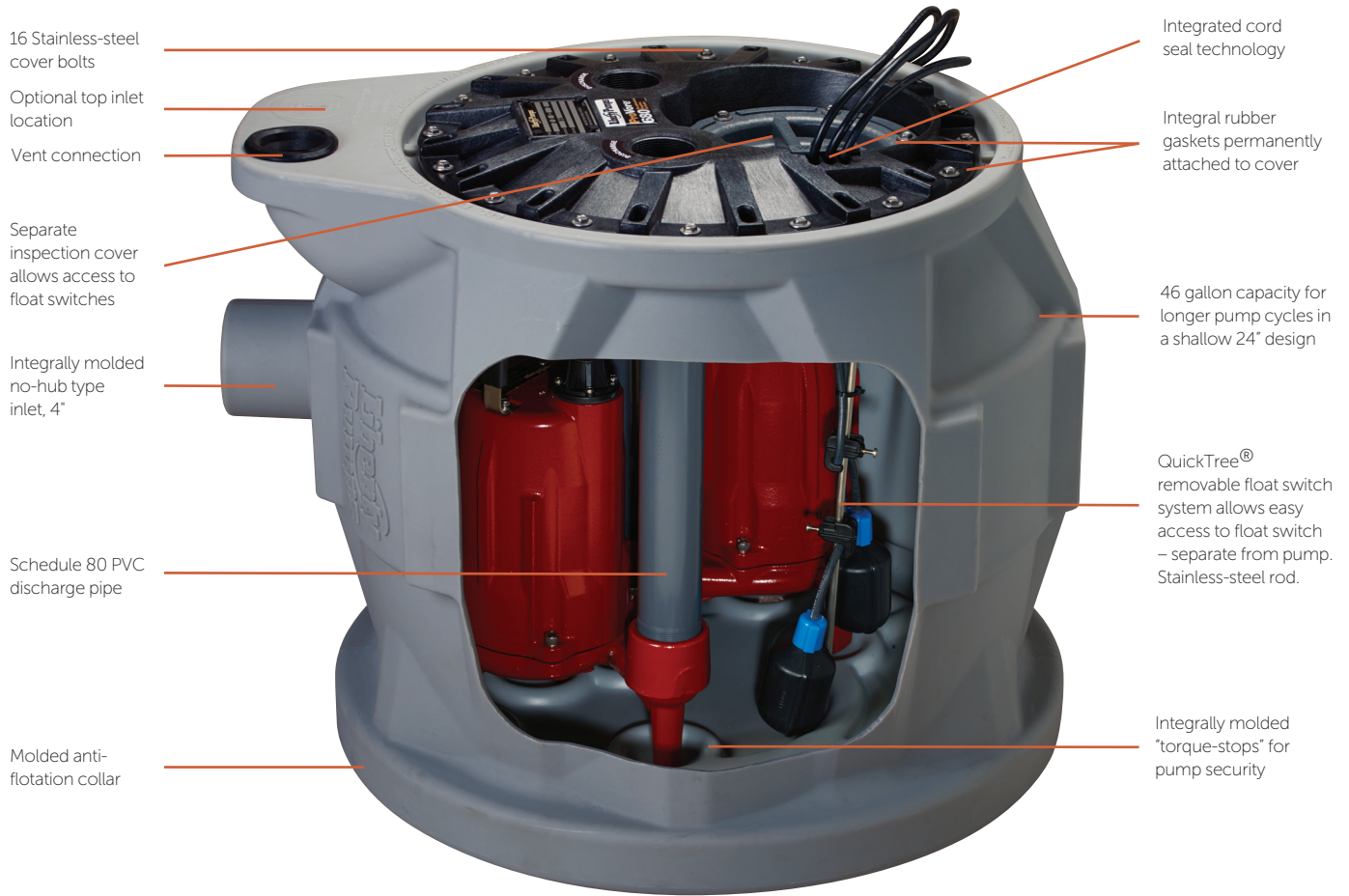
Patent: See [www.LibertyPumps.com/patents](http://www.LibertyPumps.com/patents)

## Performance Curve



# Pro680-Series

## Compact Duplex System



Patent: See [www.LibertyPumps.com/patents](http://www.LibertyPumps.com/patents)



### IAPMO Listed Basin

The Pro680XL basin is specifically designed to pass a 10' stack test and is IAPMO listed.

## Models

| MODEL                                   | HP   | VOLTS | PHASE | AMPS | DISCHARGE | CORD LENGTH | CONTROLLER | WEIGHT  |
|---|------|-------|-------|------|-----------|-------------|------------|---------|
| <b>ProVore® Grinder Models</b>          |      |       |       |      |           |             |            |         |
| P682XPRG101                             | 1    | 115   | 1     | 12   | 2"        | 10'         | Indoor     | 151 lbs |
| P682XPRG101W                            | 1    | 115   | 1     | 12   | 2"        | 10'         | Outdoor    | 152 lbs |
| P682XPRG102                             | 1    | 230   | 1     | 6    | 2"        | 10'         | Indoor     | 151 lbs |
| P682XPRG102W                            | 1    | 230   | 1     | 6    | 2"        | 10'         | Outdoor    | 152 lbs |
| <b>LE-Series Solids Handling Models</b> |      |       |       |      |           |             |            |         |
| P682XLE41                               | 4/10 | 115   | 1     | 12   | 2"        | 10'         | Indoor     | 132 lbs |
| P682XLE41W                              | 4/10 | 115   | 1     | 12   | 2"        | 10'         | Outdoor    | 132 lbs |
| P682XLE51                               | 1/2  | 115   | 1     | 12   | 2"        | 10'         | Indoor     | 136 lbs |
| P682XLE51W                              | 1/2  | 115   | 1     | 12   | 2"        | 10'         | Outdoor    | 135 lbs |
| P682XLE52                               | 1/2  | 230   | 1     | 6    | 2"        | 10'         | Indoor     | 135 lbs |
| P682XLE52W                              | 1/2  | 230   | 1     | 6    | 2"        | 10'         | Outdoor    | 136 lbs |

See PRG-Series or LE40/LE50-Series literature for complete pump performance and specifications data. For 25' pump and float switch cords, add "-2" suffix to model number. Example: P682XPRG101-2

# Optional Basin Extension

## X8-D

### 8" Basin Extension

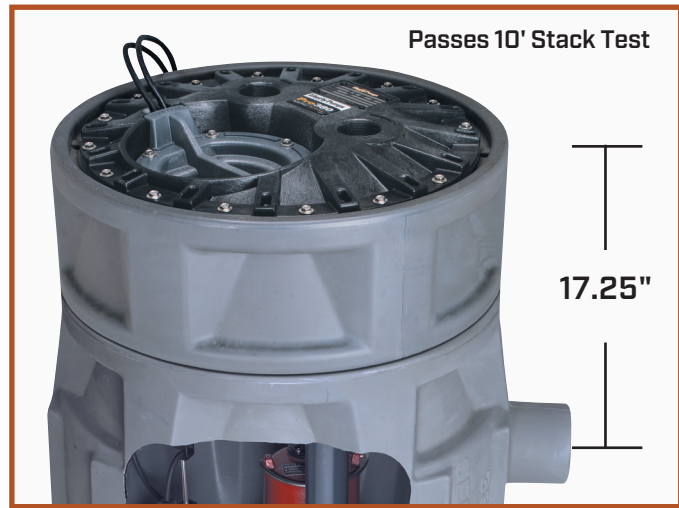
Sealed basin extension increases Pro-Series height by 8", allowing longer pitched pipe runs to the inlet connection.

Model X8-D extension includes gasket, stainless-steel bolts, longer QuickTree® for float switch mounting and discharge pipe extension.

To order an X8-D extension factory assembled to any ProVore®-Series system, add "X8D" to model number

Examples: P682X8DXPRG101

For outdoor installations, ARC18 Access Riser must be installed in conjunction with the X8-D Extension. See Pro-Series Accessories for information on ARC18 Riser.



## PDC Duplex Control



Indoor model shown

- Automatically alternates pump operation – equalizing wear and extending pump life
- Plug-in ready wiring for easy and quick installation (indoor model only)
- QuickTree® mounted float switches with Quick-connect at box (indoor model only)
- Green power indicator
- Green pump run indicators
- Audible and visual alarm
- 9-Volt back-up for alarm
- Receptacles are angled to accept standard or right-angled plugs
- Programmed automatic 6 hour run limiter protects against run-dry pump conditions
- NEMA 1 indoor or NEMA 4X outdoor options available

Voltage: 115V or 230V depending on system ordered (60 Hz)

| MODEL    | VOLTS | PHASE | HZ | CORD LENGTH | INDOOR/OUTDOOR | SYSTEM       |
|----------|-------|-------|----|-------------|----------------|--------------|
| PDC-115  | 115   | 1     | 60 | 10'         | Indoor         | P682XPRG101  |
| PDCW-115 | 115   | 1     | 60 | 10'         | Outdoor        | P682XPRG101W |
| PDC-230  | 230   | 1     | 60 | 10'         | Indoor         | P682XPRG102  |
| PDCW-230 | 230   | 1     | 60 | 10'         | Outdoor        | P682XPRG102W |

Pro680 duplex systems are shipped complete with the PDC control unit. Float switches are pre-set at proper levels in the system. See PDC literature sheet for complete control specifications. For 25' float cord, add "-2" suffix to model number. Example: PDC-115-2