PRG-SERIES
Grinder Pump

Liberty Pumps®
A Family and Employee Owned Company

1 hp
2" Discharge

Designed for sewage applications

Higher flow rates allow use with 2" discharge lines

Operates on standard 115 or 230V 20A circuits



Patent: See
www.LibertyPumps.com/patents

Features

- Heavy cast iron construction
- 115V or 230V 1-phase
- Patented V-Slice® Cutter Technology
- Shreds difficult solids such as feminine products, rags, towels and wipes that can jam a solids handling style pump
- Hardened stainless steel cutter and plate
- Oil-filled, thermally protected motor
- PRG-Series grinders can be used as a replacement pump in 2" discharge systems using LE40 and LE50-Series solids handling pumps.*

**Consult factory with actual application and head specifications prior to replacing LE40 and LE50-Series pumps*

Models

PRG101M 115V, 12A, Manual

PRG101A 115V, 12A, Automatic, wide-angle

PRG101AV 115V, 12A, Automatic, vertical float switch

PRG102M 230V, 6A, Manual

PRG102A 230V, 6A, Automatic



Vertical Float Switch
Model PRG101AV

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PRG-Series

Impeller: Cast iron, class 25

Paint: Powder coat

Max Fluid Temperature: 140°F (60°C)

Motor: CSCR style, class B windings, oil-filled, thermally protected

Power Cord Type: SJTW, Quick-connect design 10' standard length (25' optional)

Motor Housing: Cast iron, class 30

Volute: Cast iron, class 30

Shaft: 303 series stainless steel

Hardware: Stainless steel

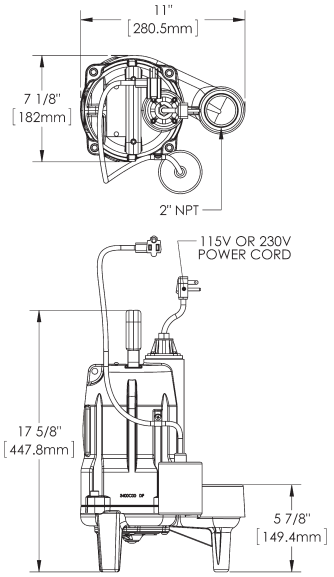
Mechanical Shaft Seal: Unitized silicon carbide

Bearings: Upper and lower ball bearings

Cutter and Cutter Plate: V-Slice® design of 440 Stainless Steel hardened to Rockwell 57c

Float Switch (automatic models): Mechanical wide-angle float switch with series (piggyback) plug

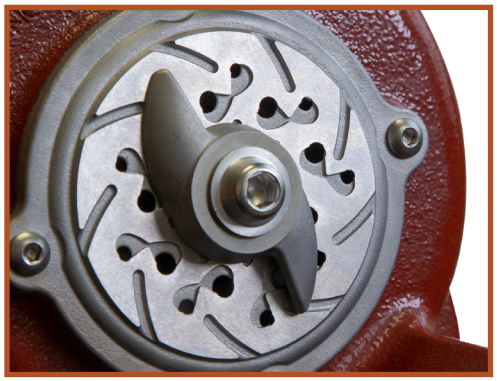
Dimensional Data



V-Slice® Cutter Technology

Shreds difficult solids such as feminine products, wipes, rags and other debris.

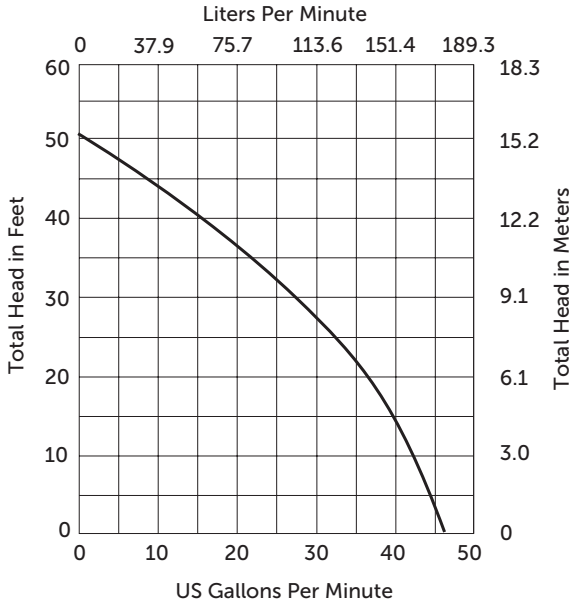
Maximum Fluid Temperature: 140°F (60°C)



Patent: See
www.LibertyPumps.com/patents

Performance Curve

60 Hz, 3450 RPM



Models

MODEL	HP	VOLTS	PHASE	Hz	AMPS	CORD LENGTH	DISCHARGE	AUTOMATIC	WEIGHT
PRG101A	1	115	1	60	12	10'	2"	Wide-Angle	58 lbs
PRG101AV	1	115	1	60	12	10'	2"	Vertical Float Switch	58 lbs
PRG101M	1	115	1	60	12	10'	2"	No	57 lbs
PRG102A	1	230	1	60	6	10'	2"	Wide-Angle	58 lbs
PRG102M	1	230	1	60	6	10'	2"	No	57 lbs

For optional 25' power cords, add a "-2" suffix to model number. Example: PRG101A-2

Specifications subject to change without notice.

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ProVore® 380

Simplex Grinder System

Liberty Pumps®

A Family and Employee Owned Company

1 hp

2" Discharge

Compact simplex system - designed for residential sewage applications

Perfect for basement bathroom additions and remodeling projects

Available in 115V or 230V

Fully assembled from factory



Patent: See
www.LibertyPumps.com/patents

Features

- Robust system features a compact heavy-duty polyethylene basin and cover
- System can be installed above or below grade level
- 41 gallon capacity
- Patented V-Slice® Cutter Technology shreds difficult solids such as feminine products, rags, towels and wipes that can jam solids handling pumps
- 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

Shipped with Clear Construction Cover



Clear disposable cover protects the system during masonry work and rough-in

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ProVore® 380

ProVore® 380
QuickTree® Technology

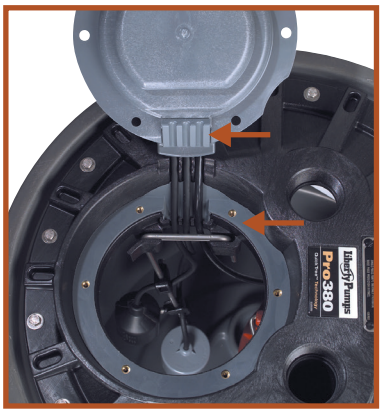
Features

- 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 41 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

QuickTree® Technology



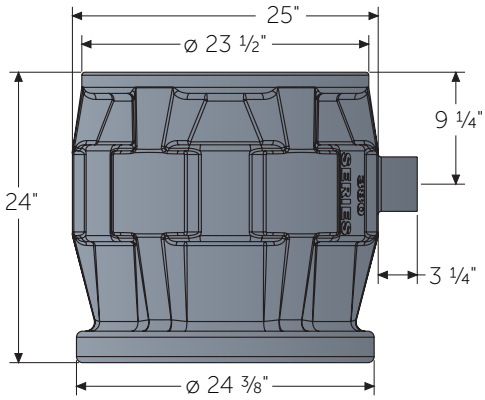
Integral Rubber Seals



Unique integrated cord seal technology and permanent rubber cover gaskets

Patent: See www.LibertyPumps.com/patents

Dimensional Data



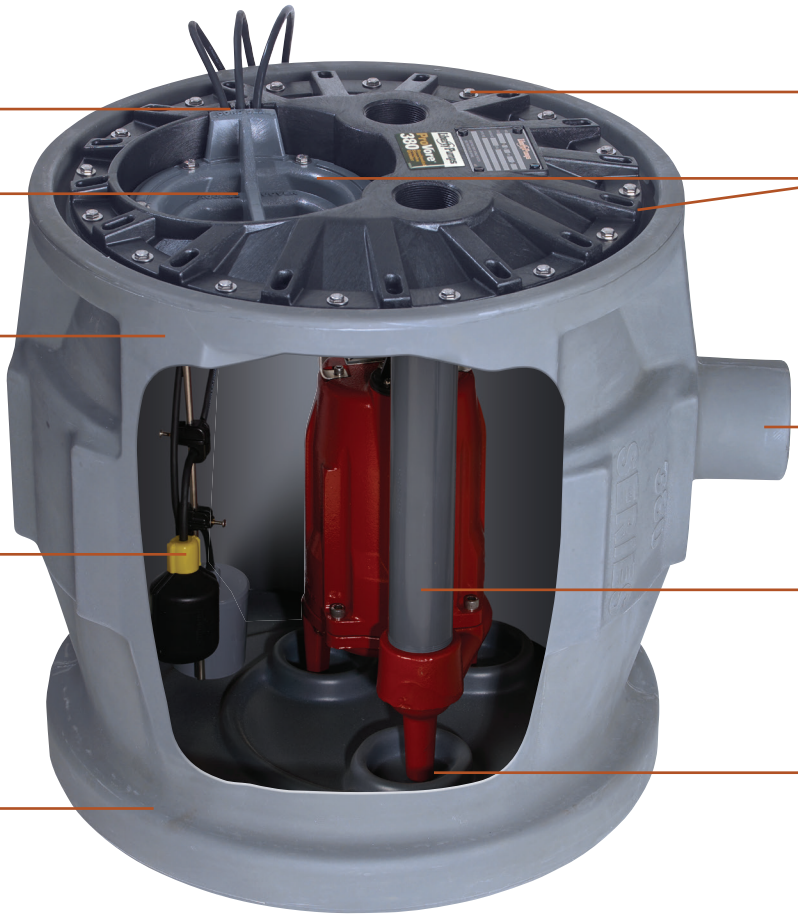
Models:

MODEL	HP	VOLTS	PHASE	DISCHARGE	CORD LENGTH	WEIGHT
P382XPRG101	1	115	1	2"	10'	87 lbs
P382XPRG101V	1	115	1	2"	10'	87 lbs
P382XPRG102	1	230	1	2"	10'	87 lbs

"V" model = vertical float switch. All other models are wide-angle.
See specific PRG-Series literature for complete pump performance and specifications.
For 25' power cord add "-2" suffix to model number.
Example: P382XPRG101-2
For side discharge models, see ProVore® SD-Series literature.

ProVore® 380-Series 24"x24" - 41 Gallons

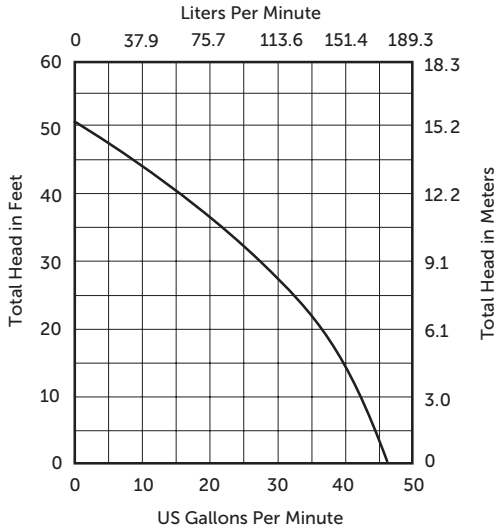
1 hp Grinder Package



Patent: See
www.LibertyPumps.com/patents

Performance Curve

60 Hz, 3450 RPM



NEW!

Liberty Pumps

NightEye®

Wireless Enabled Alarms

AVAILABLE

See back page for ordering information

IAPMO Listed Basins

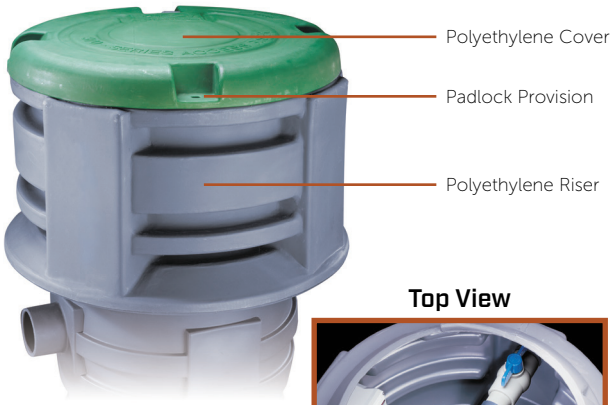
The **ProVore® 380 Basin** is specifically designed to pass a 10' stack test and is IAPMO listed.

UPC®

Optional Access Riser

Riser allows burial of the ProVore® 380 System up to a maximum depth of 18" below grade

A convenient chamber for all your pump's electrical and piping connections – out of sight and below grade. Riser simply slides over the sealed 380 system. Cover is retained by 4 stainless steel bolts and features a twist-lock design with provision for padlock to deter unwanted entry.



Specifications

Weight: 28 lbs (Riser and Cover)
Riser Height: 18-3/4"
Total Height with Cover: 20-1/2"
Diameter: 32"

MODEL	DESCRIPTION
AR18	Access Riser
AC18	Access Riser Cover (Environmental Green)
ARC18	Kit, Access Riser with Cover
ARCKIT115	Kit, Access Riser with Cover and 2" installation accessories - 115V
ARCKIT230	Kit, Access Riser with Cover and 2" installation accessories - 230V
IKIT2-115	Installation Kit 2", 115V
IKIT2-230	Installation Kit 2", 230V

Top View



Liberty Pumps installation kits provide all the components for a professional installation inside the riser. Kit includes: JB-Series wiring box and hardware, check valve with a disconnect union feature, coupling and elbows (PVC piping not included). Kits available in 2" discharge and vent size only.

ProVore® 380-Series Alarmed System

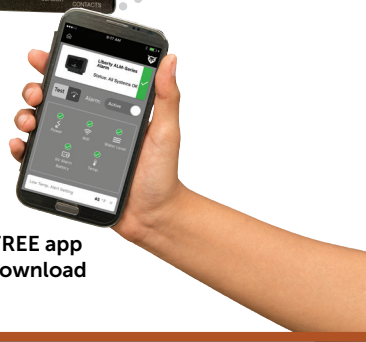
Now have the assurance of early warning in the event of a high-level condition with an alarm option installed from the factory! We do the work for you by mounting the alarm float switch in the basin at its proper level – no need to even open the cover! Simply mount the alarm panel in its desired location, supply power, and connect the alarm float switch leads! Standard alarm and NightEye® wireless alarm available.

NEW!
Liberty Pumps
NightEye®
Wireless Enabled Alarm
AVAILABLE



ALM-2-EYE

Patent: See
www.LibertyPumps.com/patents



FREE app download

How to Order

ALARM MODEL	DESCRIPTION	FLOAT SWITCH CORD	ADD SUFFIX	ORDER EXAMPLE
ALM-2	Standard indoor	20'	/A2	P382XPRG101/A2
ALM-2-EYE	NightEye® wireless indoor	20'	/A2-EYE	P382XPRG101/A2-EYE

Alarm float switch is pre-set at proper level in basin. Alarm panel packaged with unit.
See ALM or ALM-EYE Series literature for complete alarm specifications.

Specifications subject to change without notice.

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Phone 800-543-2550 - Fax 585-494-1839 - www.LibertyPumps.com

Liberty Pumps®

ProVore380-SD

Side Discharge

Simplex Grinder System

Compact system features the ProVore® 1 hp grinder with patented V-Slice® cutter technology. Easily shreds difficult solids such as feminine products, wipes and rags



3 Year Warranty

Features:

- 115 Volt grinder pump-operates on a standard 20 amp circuit
- Union disconnect for easy serviceability
- 2" Discharge
- 4" No-hub type inlet
- Heavy schedule 80 PVC discharge pipe
- 2" Electrical conduit hub
- Shallow 24" basin for easier installation in difficult soil conditions
- 41 gallon capacity for longer pump cycles
- Molded torque stops for pump security
- Durable polyethylene basin
- Anti-flotation collar
- Heavy-duty polyethylene cover
- Stainless steel cover bolts

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ProVore380-SD

Simplex Sewage Package
Side-Discharge

The ProVore380 side discharge series provides a professional sewage system for use in outdoor installations where the burial of electrical lines and piping is preferred. The shallow designed tank allows for easier installation without compromising overall tank capacity – a total of 41 gallons. This provides longer pump cycles that extend the life of the system. The ProVore® grinder pump features Liberty's patented V-Slice® cutter technology. This proven design shreds problem materials such as rags, disposable wipes and other difficult solids with ease. Other professional features include molded torque stops for pump security, schedule 80 PVC discharge piping and a pre-installed union for easy pump removal.

MODELS	HP	VOLTS	PHASE	DISCHARGE Size	CORD LENGTH	ALARM	WEIGHT LBS.
P382PRG101SD-2	1	115	1	2"	25'	NO	84
P382PRG101SD-2/A2W	1	115	1	2"	25'	YES	97

For alarmed model "/A2W", float comes pre-mounted at the proper level in basin. Alarm panel is packaged with unit.

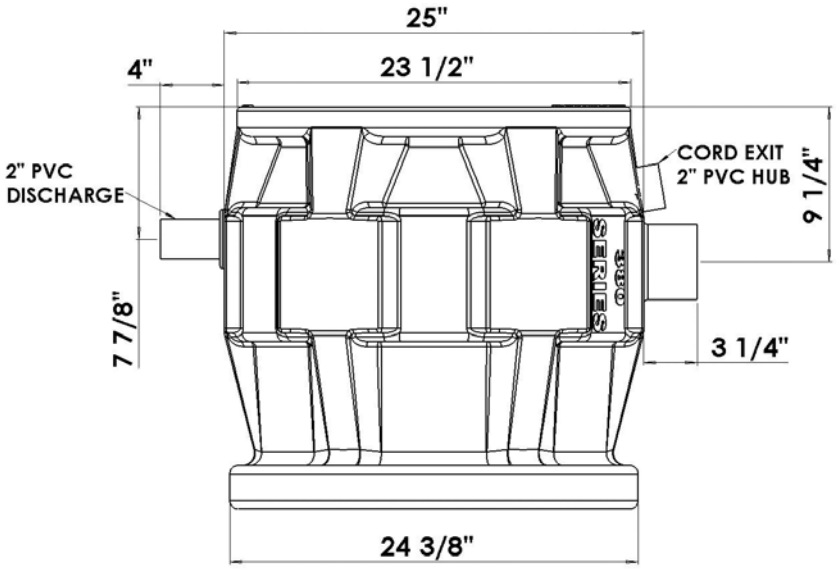
See PRG-Series literature for complete pump performance and specifications. See ALM-2W literature for alarm specifications.

Consult factory for proper pump sizing.

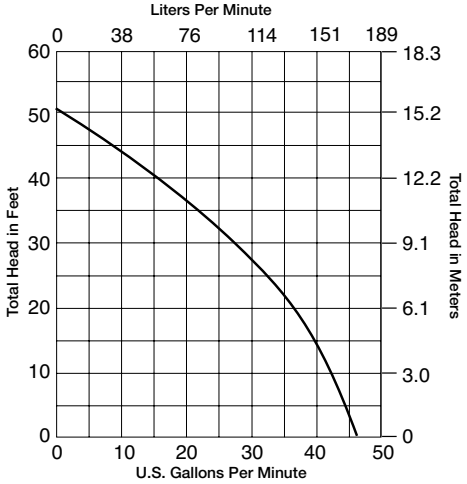


ALM-2W Outdoor Alarm

DIMENSIONAL DATA:



PERFORMANCE CURVE 60 Hz., 3400 RPM



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c SA us Certified Pump

Specifications are subject to change without notice.

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www.libertypumps.com

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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

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Pump

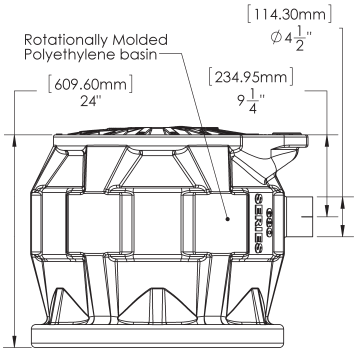
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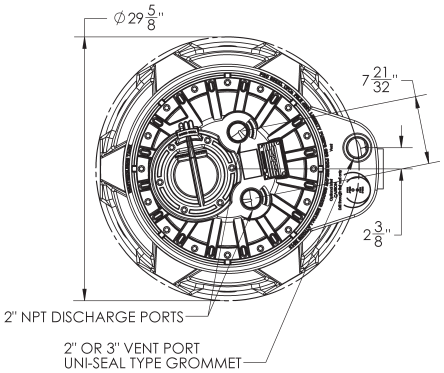
Pro680-Series

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

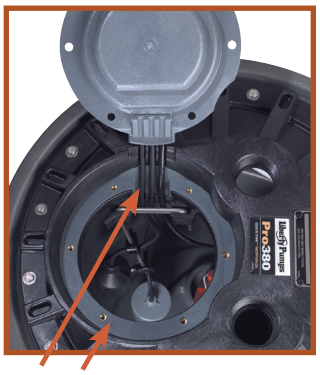
Dimensional Data





QuickTree® Technology

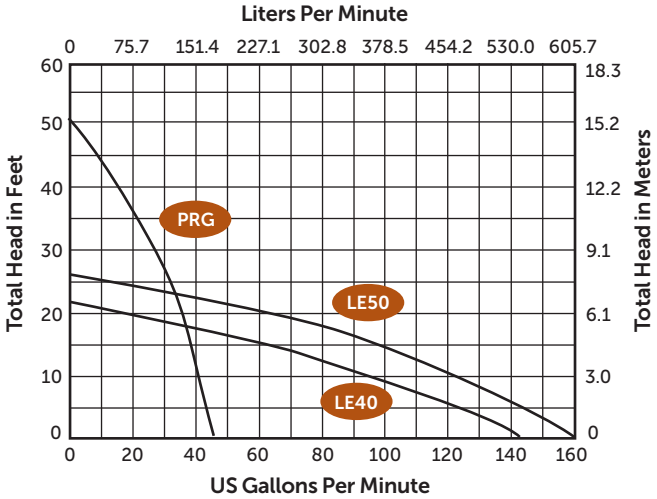
Integral Rubber Seals



Unique integrated cord seal technology and permanent rubber cover gaskets.

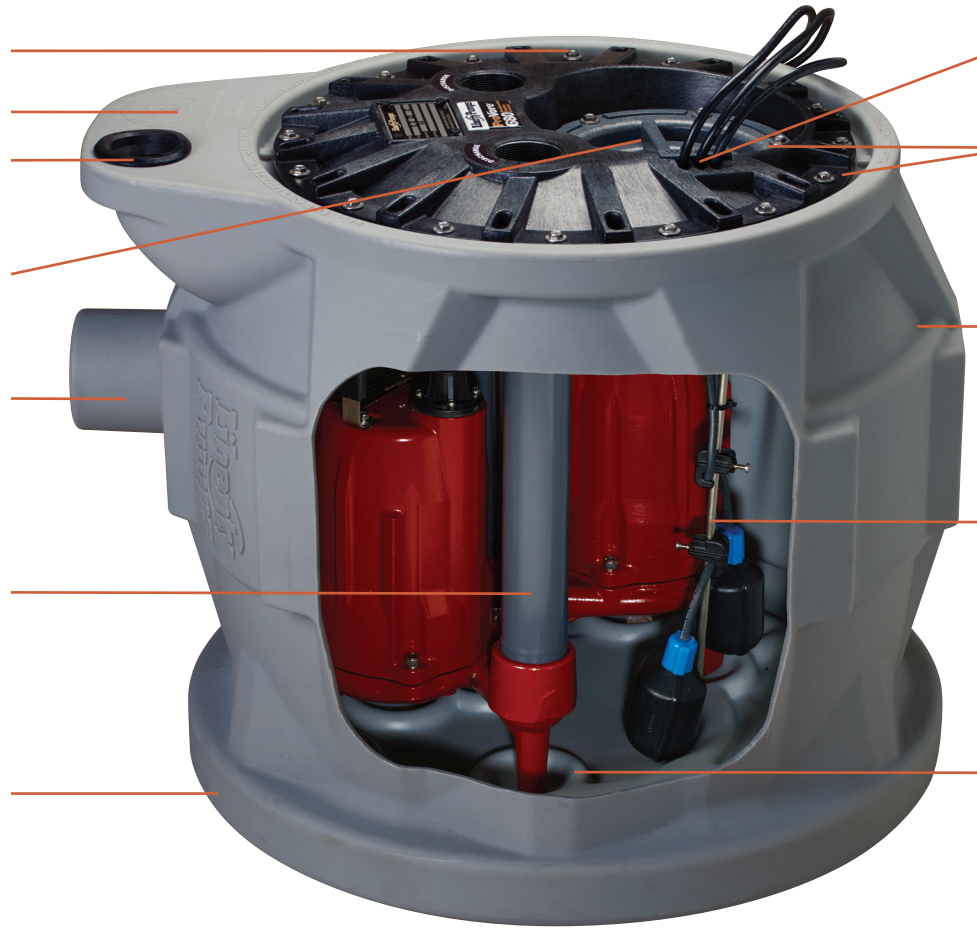
Patent: See
www.LibertyPumps.com/patents

Performance Curve



Pro680-Series

Compact Duplex System



Patent: See
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
ProVore® Grinder Models								
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
LE-Series Solids Handling Models								
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

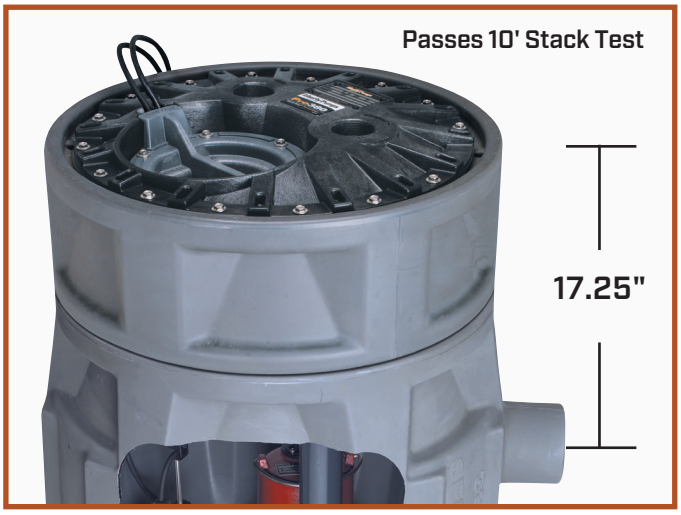
8" Basin Extension

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



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

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