

# 3000-Series

Simplex Grinder Package

# Liberty Pumps®

A Family and Employee Owned Company



**DRAINAGE SOLUTIONS, INC**

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[www.drainagesolutionsinc.com](http://www.drainagesolutionsinc.com)

## Factory Assembled 2 hp Grinder Pump 30" Diameter System

### Features

- Pre-mounted floats for pump control and alarm
- 4" Fiberglass hub with 4" rubber pipe seal
- 1-1/4" Discharge
- Factory pre-assembled guide rail system
- Integral check valve
- Galvanized guide rail pipe (stainless optional)
- Factory pre-assembled schedule 80 PVC discharge piping with ball valve
- Fiberglass basin with anti-flotation collar
- Structural foam cover - 1000 lb. load rating (steel optional)
- All stainless steel supports and brackets pre-mounted
- NEMA 4X junction box for electrical connections, pre-mounted
- Stainless steel chain for pump lift-out

4" inlet hub with seal

Available Heights  
36"  
48"  
60"  
72"  
84"  
96"

Bulk head discharge connection



Available with  
LSG or LSGX-Series



# innovate. evolve.

# 3000-Series

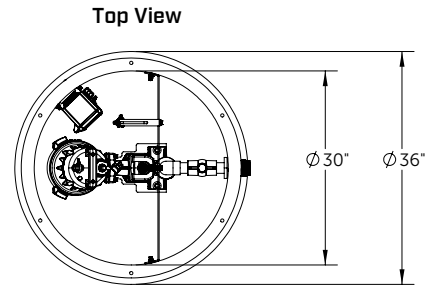
## Features

- 2 hp Grinder Pump
- Choose from single stage LSG or LSGX-Series pumps
- Available in a wide range of voltages
- 1-1/4" discharge
- 25' power cable length



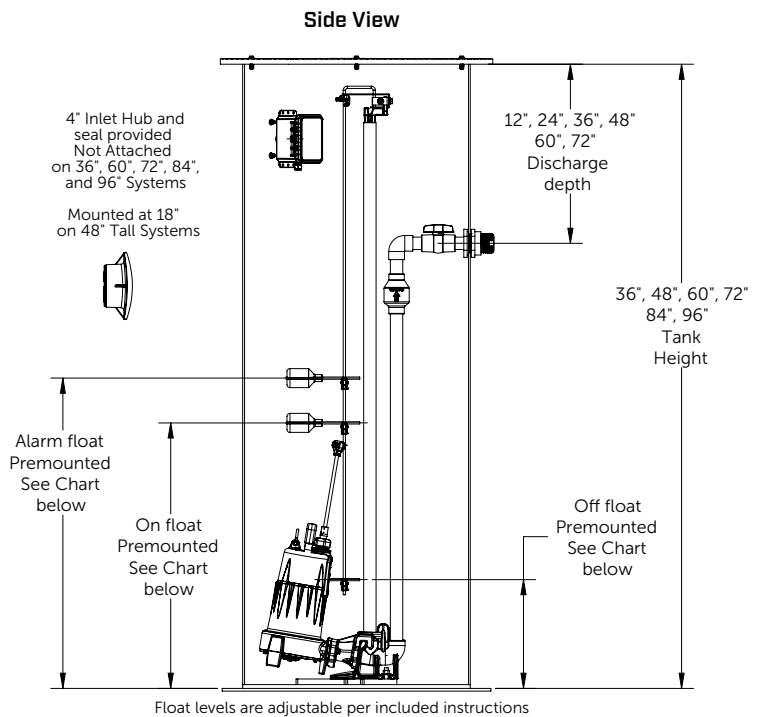
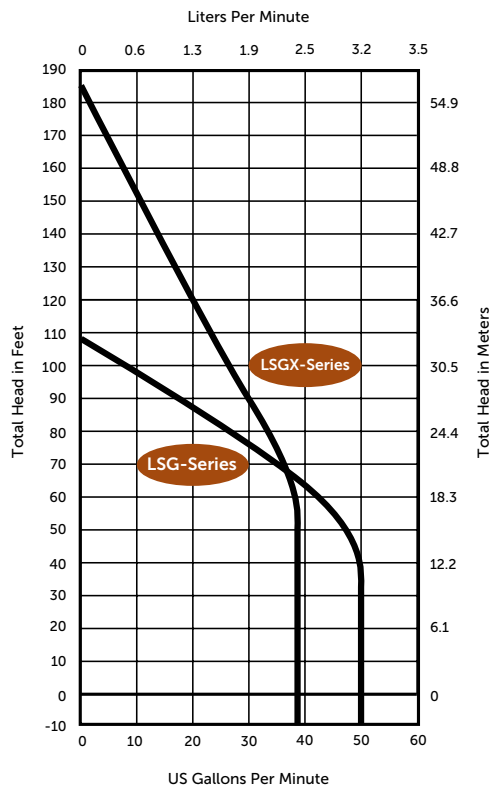
(See LSG or LSGX-Series literature for complete pump specifications.)

## Dimensional Data



## Performance Curves

60 Hz, 3450 RPM



Galvanized guide rails standard. For stainless steel rails, add "S" to model number. Example: 3072LSG24-S  
 For steel cover option, add "-SC" suffix to model number. Example: (steel) 3072LSG24-SC

## Factory Set Control Levels

MODEL	OFF LEVEL	ON LEVEL	ALARM LEVEL	VOLUME PER PUMP CYCLE	TOTAL BASIN CAPACITY
3036	9.5" (24 cm)	16.5" (42 cm)	24.5" (62 cm)	21 gal (79 liters)	110 gal (416 liters)
3048	9.5" (24 cm)	16.5" (42 cm)	24.5" (62 cm)	21 gal (79 liters)	147 gal (556 liters)
3060	11.5" (29 cm)	28.5" (72 cm)	34.5" (88 cm)	52 gal (197 liters)	184 gal (696 liters)
3072	11.5" (29 cm)	32.5" (83 cm)	38.5" (98 cm)	64 gal (242 liters)	220 gal (832 liters)
3084	11.5" (29 cm)	34.5" (88 cm)	40.5" (103 cm)	70 gal (265 liters)	257 gal (972 liters)
3096	11.5" (29 cm)	38.5" (98 cm)	44.5" (113 cm)	83 gal (314 liters)	294 gal (1112 liters)

# Choice of Panel... SX-Series or IP-Series

Systems with heights of 60", 72", 84", or 96" include an SX-Series or IP-Series panel (see model details on back cover)



SXH24=3  
Control Panel  
with Alarm  
Included

## SX-Series Panels - (Standard)

Provide reliable alternating operation.

### Features

- HOA Switch
- NEMA 4X enclosure
- Circuit Breaker
- Visual and Audible alarm
- Pump run indicator light
- Auxiliary contacts
- Three level control floats

For the complete SX-Series specifications, see SX-Series literature sheet.



## IP-Series™ Panels - (Optional)

IP control panels incorporate the latest programmable pump features through a simple, easy-to-use touch pad on the inner door. Now pump programming and system monitoring is easier than ever.

### Features

- NEMA 4X weatherproof enclosure for indoor/outdoor mounting
- Float-less level sensor is compact and eliminates multiple wide-angle floats for controlling pump
- Redundant "ALARM" float included for added security
- Easy-to-use touch pad for programming pump on/off levels and alarm level in inches or centimeters
- Inner panel door provides increased safety
- Separate control and alarm fuses
- Digital display board for system monitoring
- Alarm beacon and horn provide audio/visual warning of alarm condition
- Test/Normal/Silence switch
- Auxiliary contacts
- Panel is field convertible for either demand dose or timed dose applications

For the complete IP-Series specifications, see IP-Series literature sheet.

**NOTE:** To order the IP-Series panel option, add "-IP" suffix to the system model number. Example: 3072LSG24-IP



Floatless  
Level Sensor

# 3000-Series

## Simplex Models

30" diameter fiberglass basin available in heights of 36", 48", 60", 72", 84", and 96".

Systems listed below with heights of 60", 72", 84", or 96" are shipped with a standard SX-Series control panel. To upgrade to an IP-Series panel, add "-IP" suffix to the model number. See SX-Series or IP-Series literature for complete specifications.

MODEL	VOLTS	PHASE	WEIGHT	STANDARD PANEL SX-SERIES	OPTIONAL PANEL IP-SERIES
<b>3036 – 30" x 36" Basin</b> (Discharge depth is 12" from top of basin)					
3036LSG202	208/230	1	242 lbs	ALM-2W	NA
3036LSG202-S	208/230	1	242 lbs	ALM-2W	NA
3036LSG202-S-SC	208/230	1	278 lbs	ALM-2W	NA
3036LSG202-SC	208/230	1	278 lbs	ALM-2W	NA
3036LSGX202	208-230	1	248 lbs	ALM-2W	NA
3036LSGX202-S	208-230	1	248 lbs	ALM-2W	NA
3036LSGX202-S-SC	208-230	1	284 lbs	ALM-2W	NA
3036LSGX202-SC	208-230	1	284 lbs	ALM-2W	NA
<b>3048 – 30" x 48" Basin</b> (Discharge depth is 12" from top of basin)					
3048LSG202	208/230	1	254 lbs	ALM-2W	NA
3048LSG202-S	208/230	1	254 lbs	ALM-2W	NA
3048LSG202-S-SC	208/230	1	290 lbs	ALM-2W	NA
3048LSG202-SC	208/230	1	290 lbs	ALM-2W	NA
3048LSGX202	208-230	1	260 lbs	ALM-2W	NA
3048LSGX202-S	208-230	1	260 lbs	ALM-2W	NA
3048LSGX202-S-SC	208-230	1	296 lbs	ALM-2W	NA
3048LSGX202-SC	208-230	1	296 lbs	ALM-2W	NA
<b>3060 – 30" x 60" Basin</b> (Discharge depth is available in 24" or 36" from top of basin. Add -24 or -36 to model when ordering)					
3060LSG202 (-24 or -36)	208/230	1	266 lbs	SXH24=3	IPS-24H
3060LSG202-A (-24 or -36)	208/230	1	267 lbs	ALM-2W	NA
3060LSG202-C (-24, or -36)	208/230	1	267 lbs	SXHC24=3-3	IPS-24HC
3060LSG203 (-24 or -36)	208/230	3	272 lbs	SX34=3-511	IPS-34-511
3060LSG204 (-24 or -36)	440-480	3	272 lbs	SX34=3-171	IPS-34-171
3060LSG205 (-24 or -36)	575	3	272 lbs	SX54=3-161	IPS-54-161
3060LSGX202 (-24 or -36)	208-230	1	273 lbs	SXH24=3	IPS-24H
3060LSGX202-C (-24 or -36)	208-230	1	274 lbs	SXHC24=3-3	IPS-24HC
3060LSGX203 (-24 or -36)	208/230	3	278 lbs	SX34=3-511	IPS-34-511
3060LSGX204 (-24 or -36)	440-480	3	278 lbs	SX34=3-171	IPS-34-171
3060LSGX205 (-24 or -36)	575	3	278 lbs	SX54=3-161	IPS-54-161
<b>3072 – 30" x 72" Basin</b> (Discharge depth is available in 24", 36", or 48" from top of basin. Add -24, -36, or -48 to model when ordering)					
3072LSG202 (-24, -36 or -48)	208/230	1	309 lbs	SXH24=3	IPS-24H
3072LSG202-C (-24, -36 or -48)	208/230	1	310 lbs	SXHC24=3-3	IPS-24HC
3072LSG203 (-24, -36 or -48)	208/230	3	314 lbs	SX34=3-511	IPS-34-511
3072LSG204 (-24, -36 or -48)	440-480	3	314 lbs	SX34=3-171	IPS-34-171
3072LSG205 (-24, -36 or -48)	575	3	314 lbs	SX54=3-161	IPS-54-161
3072LSGX202 (-24, -36 or -48)	208-230	1	315 lbs	SXH24=3	IPS-24H
3072LSGX202-C (-24, -36 or -48)	208-230	1	316 lbs	SXHC24=3-3	IPS-24HC
3072LSGX203 (-24, -36 or -48)	208/230	3	321 lbs	SX34=3-511	IPS-34-511
3072LSGX204 (-24, -36 or -48)	440-480	3	321 lbs	SX34=3-171	IPS-34-171
3072LSGX205 (-24, -36 or -48)	575	3	321 lbs	SX54=3-161	IPS-54-161
<b>3084 – 30" x 84" Basin</b> (Discharge depth is available in 24", 36", 48", or 60" from top of basin. Add -24, -36, -48, or -60 to model when ordering)					
3084LSG202 (-24, -36, -48 or -60)	208/230	1	324 lbs	SXH24=3	IPS-24H
3084LSG202-C (-24, -36, -48 or -60)	208/230	1	331 lbs	SXHC24=3-3	IPS-24HC
3084LSG203 (-24, -36, -48 or -60)	208/230	3	335 lbs	SX34=3-511	IPS-34-511
3084LSG204 (-24, -36, -48 or -60)	440-480	3	335 lbs	SX34=3-171	IPS-34-171
3084LSG205 (-24, -36, -48 or -60)	575	3	335 lbs	SX54=3-161	IPS-54-161
3084LSGX202 (-24, -36, -48 or -60)	208-230	1	330 lbs	SXH24=3	IPS-24H
3084LSGX202-C (-24, -36, -48 or -60)	208-230	1	337 lbs	SXHC24=3-3	IPS-24HC
3084LSGX203 (-24, -36, -48 or -60)	208/230	3	342 lbs	SX34=3-511	IPS-34-511
3084LSGX204 (-24, -36, -48 or -60)	440-480	3	342 lbs	SX34=3-171	IPS-34-171
3084LSGX205 (-24, -36, -48 or -60)	575	3	342 lbs	SX54=3-161	IPS-54-161
<b>3096 – 30" x 96" Basin</b> (Discharge depth is available in 24", 36", 48", 60", or 72" from top of basin. Add -24, -36, -48, -60, or -72 to model when ordering)					
3096LSG202 (-24, -36, -48, -60 or -72)	208/230	1	339 lbs	SXH24=3	IPS-24H
3096LSG202-C (-24, -36, -48, -60 or -72)	208/230	1	346 lbs	SXHC24=3-3	IPS-24HC
3096LSG203 (-24, -36, -48, -60 or -72)	208/230	3	350 lbs	SX34=3-511	IPS-34-511
3096LSG204 (-24, -36, -48, -60 or -72)	440-480	3	350 lbs	SX34=3-171	IPS-34-171
3096LSG205 (-24, -36, -48, -60 or -72)	575	3	350 lbs	SX54=3-161	IPS-54-161
3096LSGX202 (-24, -36, -48, -60 or -72)	208-230	1	345 lbs	SXH24=3	IPS-24H
3096LSGX202-C (-24, -36, -48, -60 or -72)	208-230	1	352 lbs	SXHC24=3-3	IPS-24HC
3096LSGX203 (-24, -36, -48, -60 or -72)	208/230	3	356 lbs	SX34=3-511	IPS-34-511
3096LSGX204 (-24, -36, -48, -60 or -72)	440-480	3	356 lbs	SX34=3-171	IPS-34-171
3096LSGX205 (-24, -36, -48, -60 or -72)	575	3	356 lbs	SX54=3-161	IPS-54-161

Specifications subject to change without notice.

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