

3000-Series

Simplex Grinder Package

Liberty Pumps®

A Family and Employee Owned Company

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



Available with
LSG or LSGX-Series



4" inlet
hub with
seal

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

Bulk head
discharge
connection



innovate. evolve.

3000-Series

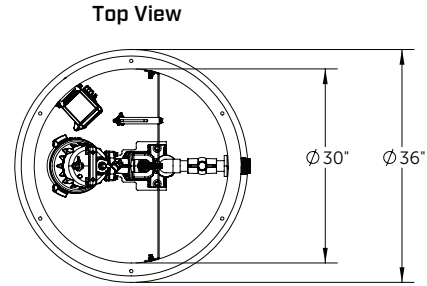
Features

- 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



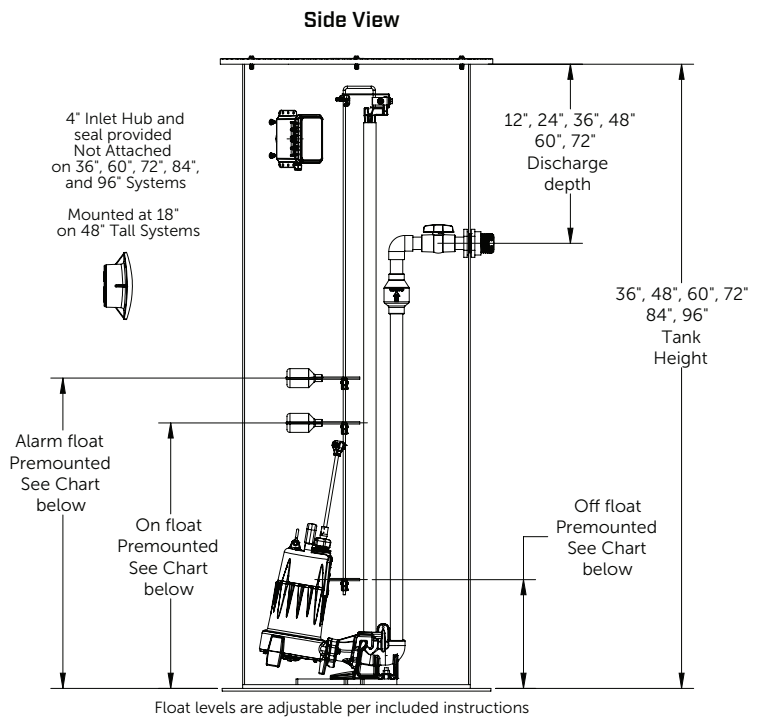
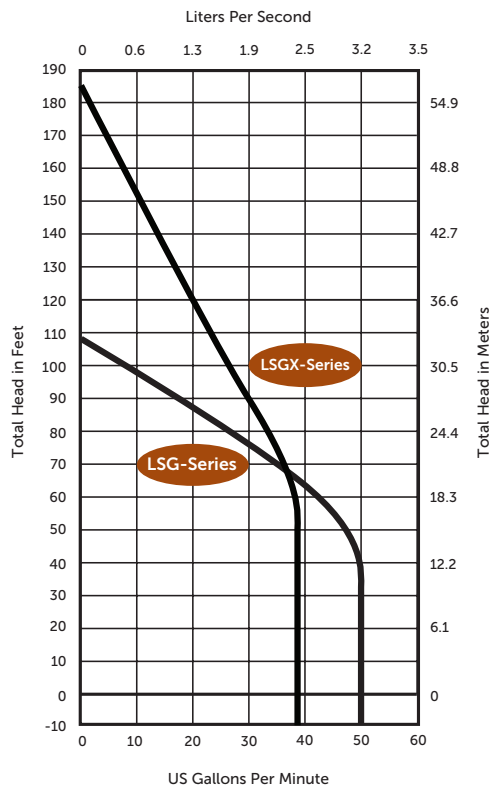
(See LSG or LSGX-Series literature for complete pump specifications.)

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)

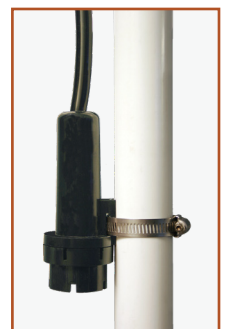
IP control panels incorporate the latest programmable pump features through a simple, easy-to-use touch pad on the inner door. Now pump programming and system monitoring is easier than ever.

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 |
|---|---------|-------|---------|-----------------------------|-----------------------------|
| 3036 – 30" x 36" Basin (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 |
| 3048 – 30" x 48" Basin (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 |
| 3060 – 30" x 60" Basin (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 |
| 3072 – 30" x 72" Basin (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 |
| 3084 – 30" x 84" Basin (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 |
| 3096 – 30" x 96" Basin (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.

Copyright © Liberty Pumps, Inc. 2024 All rights reserved. LLIT006776-R07/24E

Liberty Pumps - 7000 Apple Tree Avenue - Bergen, New York 14416
Phone 800-543-2550 - Fax 585-494-1839 - www.LibertyPumps.com