

Liberty Pumps®

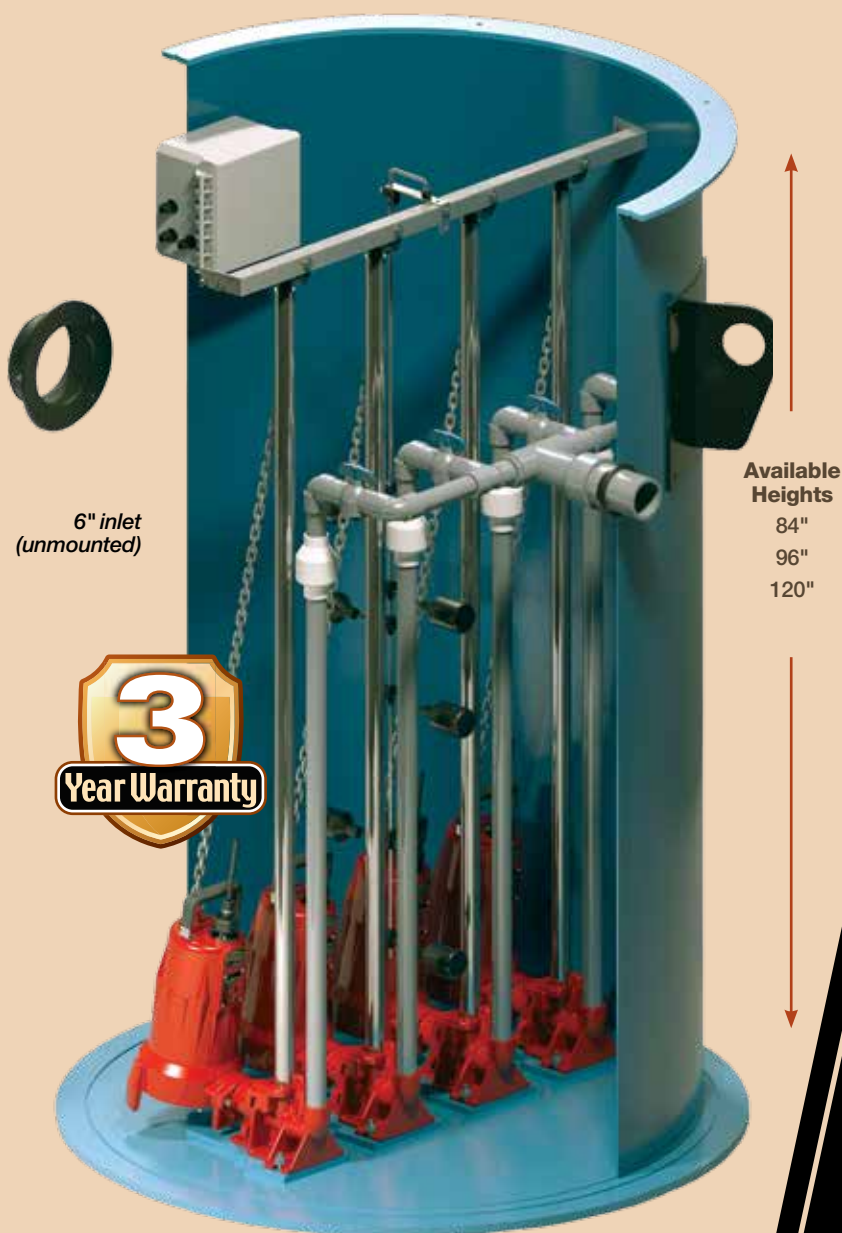
Q4800-Series

Quadplex Grinder Package

**Factory Assembled
2 hp Grinder Pumps
48" Diameter System**

Features:

- Redundancy with four 2 hp Omnivore® grinder pumps
- Higher flow rates up to 200 gpm
- Comparable flow rates to higher horsepower grinder systems
- Easier to service, and only 25% flow loss while pump is being serviced
- 6" inlet hub with rubber pipe seal
 - 3" discharge
- Factory pre-assembled guide rail system
 - Galvanized guide rail piping (stainless optional)
- Factory pre-assembled schedule 80 PVC discharge piping with integral check valves and ball valves
- Fiberglass basin with anti-flotation collar
- Standard green fiberglass cover, solid
 - 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
(2-Stage) Grinders



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Q4800-Series Specifications

Features:

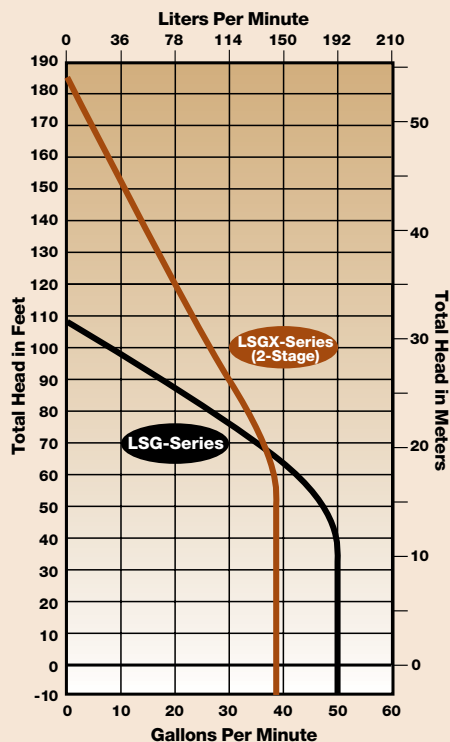
2 hp. Grinder Pump
Choose from single stage LSG or two stage LSGX-Series pumps



- Available in a wide range of voltages
- 3" discharge (exiting basin)
- 25' power cable length

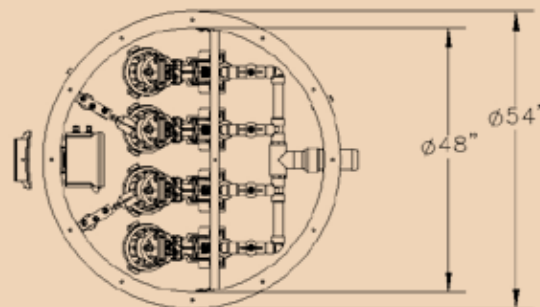
(See LSG or LSGX-Series literature for complete pump specifications.)

Performance Curves:

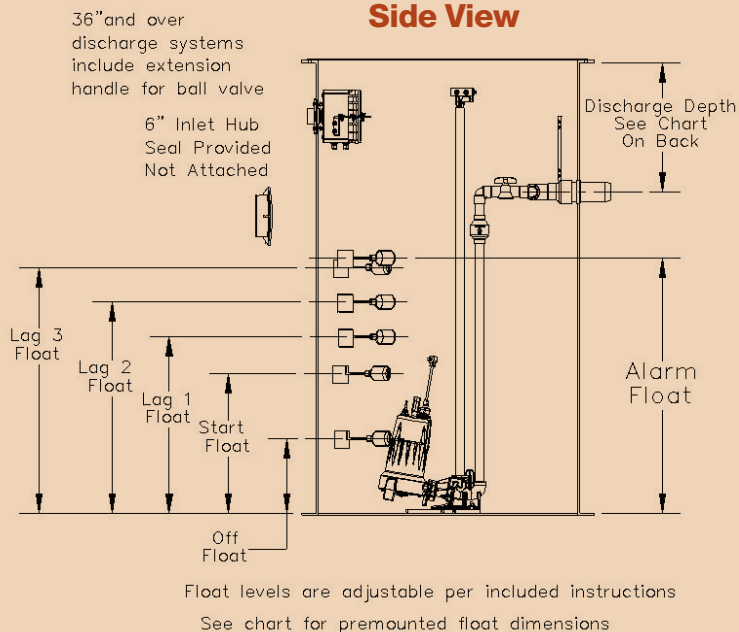


Dimensional Data

Top View



Side View



Galvanized guide rails standard. For stainless steel rails add "S" to model number.
Example: Q4884LSG202-24-S

Factory set control levels Q4800-Series

Model	Off level	On level	Lag level	Lag 2 level	Lag 3 level	Alarm level	Volume per Pump Cycle	Total Basin Capacity
Q4884	13" (33 cm)	34" (86 cm)	40" (102 cm)	46" (117 cm)	52" (132 cm)	54" (137 cm)	164.5 gal	658 gal
Q4896	13" (33 cm)	37" (94 cm)	43" (109 cm)	49" (124 cm)	55" (140 cm)	57" (145 cm)	188 gal	752 gal
Q48120	13" (33 cm)	43" (109 cm)	49" (124 cm)	55" (140 cm)	61" (155 cm)	63" (160 cm)	235 gal	940 gal

Specifications are subject to change without notice.



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QE-Series Quadplex Control Panels

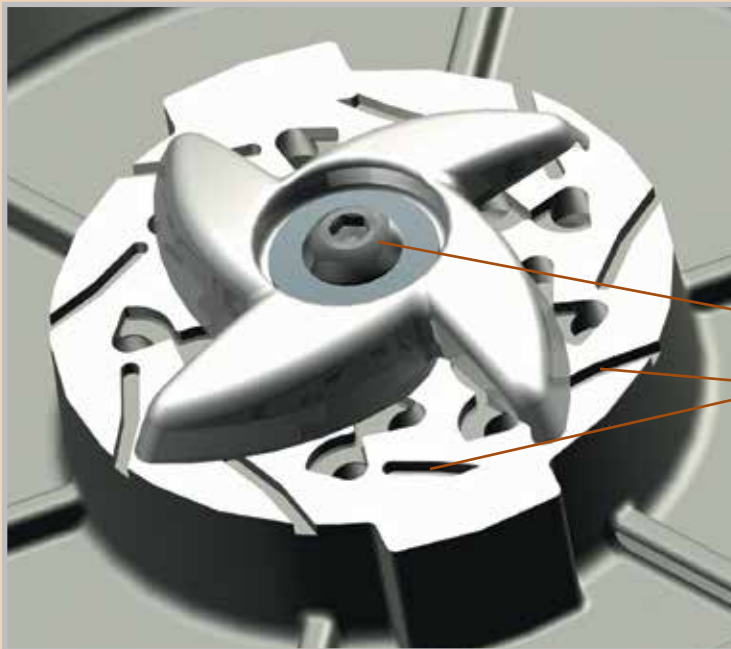
QE-Series Panels - (Standard)

Provide reliable alternating operation for four pumps with standard features that include:

- HOA switches
- NEMA 4X enclosure
- Circuit breakers (single phase) or overloads (three phase)
- Visual and audible alarm
- Pump run indicator lights
- Auxiliary contacts
- Six level control floats
- Six (6) float variable operation allows more multiple configurations to meet application needs
- Alternates between four pumps to share the load
- Use a three (3) or four (4) float operation to always run two pumps at a time where high flow is required (i.e. two lead pumps, and two lag pumps).
- Use a five (5) or six (6) float operation for true demand dosing and the control panels will operate as many pumps as required (i.e. one lead pump, and up to three lag pumps).



QE24H=6
Control Panel with
Alarm Included



V-Slice® Technology

Superior cutting system provides improved shredding performance over radial cutters. V-pattern provides up to 108 alternated cuts per revolution. Entire cutting system made of 440 stainless steel hardened to 58Rc.

Recessed cutter bolt eliminates wadding

Exclusion cleanout slots and back relief clears debris from under cutter

Patent: See
www.libertypumps.com/patents

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Q4800- Series Duplex Model

48" diameter fiberglass basin
available in heights of 84",
96", and 120".

Available with standard
QE-Series control panel.

Systems listed to the right
are shipped with a standard
QE-Series control panel.

Consult factory for other custom
configurations and basin sizes.

Models	Volts	Phase	Wgt.	Panel
Q4884 - 48" 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)				
Q4884LSG202 (-24, -36, -48, or -60)	208/230	1	1309	QE24H=6
Q4884LSG203 (-24, -36, -48, or -60)	208/230	3	1319	QE34=6-511
Q4884LSG204 (-24, -36, -48, or -60)	440-480	3	1319	QE34=6-171
Q4884LSG205 (-24, -36, -48, or -60)	575	3	1319	QE54=6-161
Q4884LSGX202 (-24, -36, -48, or -60)	208-230	1	1333	QE24H=6
Q4884LSGX203 (-24, -36, -48, or -60)	208/230	3	1343	QE34=6-511
Q4884LSGX204 (-24, -36, -48, or -60)	440-480	3	1343	QE34=6-171
Q4884LSGX205 (-24, -36, -48, or -60)	575	3	1343	QE54=6-161
Q4896 - 48" x 96" 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)				
Q4896LSG202 (-24, -36, -48, or -60)	208/230	1	1357	QE24H=6
Q4896LSG203 (-24, -36, -48, or -60)	208/230	3	1367	QE34=6-511
Q4896LSG204 (-24, -36, -48, or -60)	440-480	3	1367	QE34=6-171
Q4896LSG205 (-24, -36, -48, or -60)	575	3	1367	QE54=6-161
Q4896LSGX202 (-24, -36, -48, or -60)	208-230	1	1381	QE24H=6
Q4896LSGX203 (-24, -36, -48, or -60)	208/230	3	1391	QE34=6-511
Q4896LSGX204 (-24, -36, -48, or -60)	440-480	3	1391	QE34=6-171
Q4896LSGX205 (-24, -36, -48, or -60)	575	3	1391	QE54=6-161
Q48120 - 48" x 120" 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)				
Q48120LSG202 (-24, -36, -48, or -60)	208/230	1	1435	QE24H=6
Q48120LSG203 (-24, -36, -48, or -60)	208/230	3	1445	QE34=6-511
Q48120LSG204 (-24, -36, -48, or -60)	440-480	3	1445	QE34=6-171
Q48120LSG205 (-24, -36, -48, or -60)	575	3	1445	QE54=6-161
Q48120LSGX202 (-24, -36, -48, or -60)	208-230	1	1459	QE24H=6
Q48120LSGX203 (-24, -36, -48, or -60)	208/230	3	1469	QE34=6-511
Q48120LSGX204 (-24, -36, -48, or -60)	440-480	3	1469	QE34=6-171
Q48120LSGX205 (-24, -36, -48, or -60)	575	3	1469	QE54=6-161



**DRAINAGE
SOLUTIONS, INC**

(317) 346-4110
www.drainagesolutionsinc.com