

QLS SERIES[®]

PREFABRICATED LIFT STATIONS WITH Z-RAIL[®] TECHNOLOGY



Grinder Qwik Lift Station (QLS) Series

Complete preassembled lift stations built to engineering specifications by trained factory experts, saves time, labor and money with a system that works right out of the box.



Zoeller Family of Water Solutions™

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PICK YOUR GRINDER...



APPLICATIONS

Residential and commercial applications
Zoeller's 820 grinder pump pulverizes rags, wipes, and sanitary napkins that might be found in the waste stream.

MODEL 820

- ✓ Hardened stainless steel cutter and disc for superior wear resistance
- ✓ Cutting plate decreases solids to less than 1/8" (3mm) which reduces clogging in pump and piping
- ✓ Cast iron finned motor housing design for superior motor heat dissipation
- ✓ Oil filled motor for cool and long running motor protection
- ✓ Baked on electronically charged epoxy coating for rust protection durability in every exterior crevice, for long pump life
- ✓ All stainless steel hardware prevents rusting and corrosion
- ✓ 36 month limited warranty



EXTREME APPLICATIONS

Zoeller's 840 REVERSING grinder has even more features making it THE grinder pump to use in some of the most extreme applications. Its reversing capability can handle materials such as towels, rags, and other heavy fabrics that can be found in the waste stream.

MODEL 840

INDUSTRY'S ONLY 2HP REVERSING GRINDER

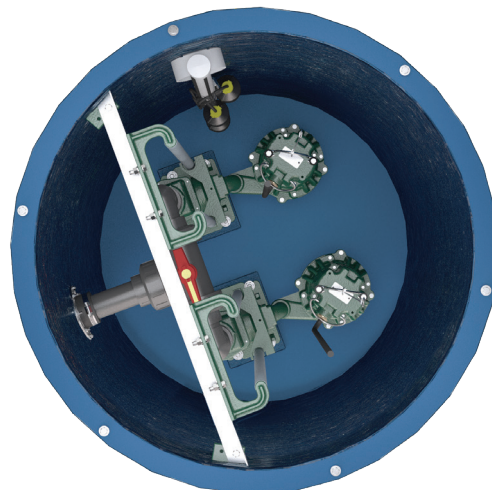
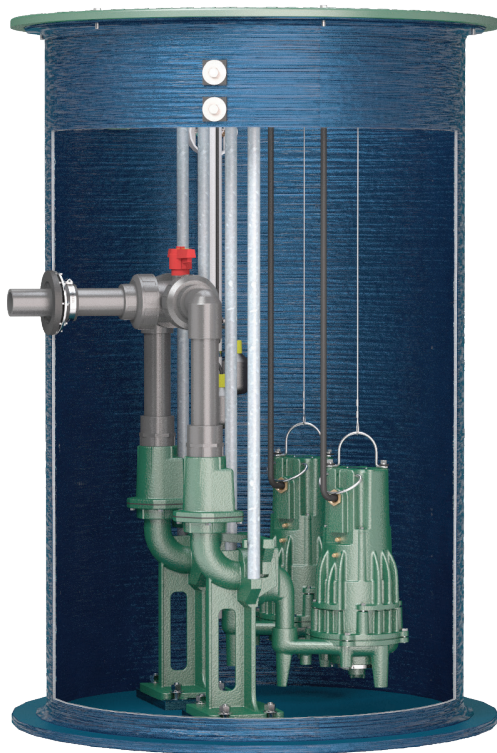
- ✓ Hardened 440C high carbon stainless steel 5-blade cutter for efficient and superior cuts per minute
- ✓ Reversing cutter design reverses and automatically alternates directions, extending blade life while eliminating potential material hang ups
- ✓ Built in moisture detection probes notifies user of potential seal failures to avoid premature motor failure and costly pump replacement
- ✓ Ductile iron impeller protects impeller from cracking due to foreign materials such as rocks and other external debris
- ✓ Vortex design provides clear path for solids through volute to prevent clogging
- ✓ Dual mechanical shaft seals prevent moisture intrusion into motor chamber
- ✓ 18 month limited warranty

QLS SERIES®

PREFABRICATED LIFT STATIONS WITH Z-RAIL® TECHNOLOGY



- ✓ **QLS Series® systems** are prefabricated including all piping and rail system components.
- ✓ **Z-Rail® System:** Both the disconnect portion and the upper guide rail supports are made of domestic epoxy powder coated ductile iron, providing superior strength. Dual guide rails add stability, ensuring that the pump will not spin on the rail during installation or removal.
- ✓ **Basin:** Zoeller Company stocks many different basin and cover options to fit a multitude of wastewater collection projects. Basin sizes from 24" x 48" to 48" x 120" meet most application needs. Customized packages available.
- ✓ **Pipe Seal Hub:** A 4" pipe seal is provided as a convenient field-installed inlet hub.
- ✓ **AFD:** QLS Series® basins come with an anti-floatation collar to resist buoyancy in high groundwater locations.
- ✓ **Flex-Boot Discharge Connection:** A flexible, stable discharge seal remains watertight despite external pressures due to pipe settling.
- ✓ **Schedule 80 PVC Piping:** Schedule 80 PVC discharge piping provides greater support and dependability with its thicker walls and higher pressure rating.



PICK YOUR SYSTEM...

FM3326
0224
Supersedes
0823

All QLS preassembled package systems include internal discharge piping, check valves, floats, rails and factory selected panel.

Complete Preassembled 820 2HP Grinder QLS System

SIMPLEX SYSTEMS

| SYSTEM NUMBER | DESCRIPTION | VOLTAGE/PHASE |
|--------------------|--|---------------|
| ZPS244815BF1820JBX | 24x48 2HP Simplex Grinder Lift Station Discharge @ 15" | 208 v / 1 ph |
| ZPS244815BFE820JBX | 24x48 2HP Simplex Grinder Lift Station Discharge @ 15" | 230 v / 1 ph |
| ZPS246024BF1820JBX | 24x60 2HP Simplex Grinder Lift Station Discharge @ 24" | 208 v / 1 ph |
| ZPS246024BFE820JBX | 24x60 2HP Simplex Grinder Lift Station Discharge @ 24" | 230 v / 1 ph |
| ZPS249648BF1820JBX | 24x96 2HP Simplex Grinder Lift Station Discharge @ 48" | 208 v / 1 ph |
| ZPS249648BFE820JBX | 24x96 2HP Simplex Grinder Lift Station Discharge @ 48" | 230 v / 1 ph |

DUPLEX SYSTEMS

| | | |
|--------------------|---|--------------|
| ZPD364819BF1820JBX | 36x48 2HP Duplex Grinder Lift Station Discharge @ 19" | 208 v / 1 ph |
| ZPD364819BFE820JBX | 36x48 2HP Duplex Grinder Lift Station Discharge @ 19" | 230 v / 1 ph |
| ZPD366024BF1820JBX | 36x60 2HP Duplex Grinder Lift Station Discharge @ 24" | 208 v / 1 ph |
| ZPD366024BFE820JBX | 36x60 2HP Duplex Grinder Lift Station Discharge @ 24" | 230 v / 1 ph |
| ZPD369648BF1820JBX | 36x96 2HP Duplex Grinder Lift Station Discharge @ 48" | 208 v / 1 ph |
| ZPD369648BFE820JBX | 36x96 2HP Duplex Grinder Lift Station Discharge @ 48" | 230 v / 1 ph |

Complete Preassembled 840 REVERSING 2HP Grinder QLS System

SIMPLEX SYSTEMS

| SYSTEM NUMBER | DESCRIPTION | VOLTAGE/PHASE |
|--------------------|--|---------------|
| ZPS244815BF1840JBX | 24x48 2HP Simplex Grinder Lift Station Discharge @ 15" | 208 v / 1 ph |
| ZPS244815BFE840JBX | 24x48 2HP Simplex Grinder Lift Station Discharge @ 15" | 230 v / 1 ph |
| ZPS246036BF1840JBX | 24x60 2HP Simplex Grinder Lift Station Discharge @ 24" | 208 v / 1 ph |
| ZPS246036BFE840JBX | 24x60 2HP Simplex Grinder Lift Station Discharge @ 24" | 230 v / 1 ph |
| ZPS249648BF1840JBX | 24x96 2HP Simplex Grinder Lift Station Discharge @ 48" | 208 v / 1 ph |
| ZPS249648BFE840JBX | 24x96 2HP Simplex Grinder Lift Station Discharge @ 48" | 230 v / 1 ph |

DUPLEX SYSTEMS

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| ZPD366024BF1840JBX | 36x60 2HP Duplex Grinder Lift Station Discharge @ 24" | 208 v / 1 ph |
| ZPD366024BFE840JBX | 36x60 2HP Duplex Grinder Lift Station Discharge @ 24" | 230 v / 1 ph |
| ZPD369648BF1840JBX | 36x96 2HP Duplex Grinder Lift Station Discharge @ 48" | 208 v / 1 ph |
| ZPD369648BFE840JBX | 36x96 2HP Duplex Grinder Lift Station Discharge @ 48" | 230 v / 1 ph |

Add An Extension

For applications that require a deeper install, Zoeller recommends that the right size basin be ordered. However, for a quick and efficient option for units already in stock or for systems already ordered, Zoeller does offer a set of extensions that can be installed in order to properly bury the basin to grade.



EXTENSIONS

| Part Number | Description |
|-------------|--|
| 31-0994 | 12" Fiberglass Extension for 24" Basin |
| 31-0954 | 24" Fiberglass Extension for 24" Basin |
| 31-0813 | 12" Fiberglass Extension for 36" Basin |
| 31-0399 | 24" Fiberglass Extension for 36" Basin |