

ZOELLER 
ENGINEERED PRODUCTS

THE BUILT-TO-ORDER DIVISION OF ZOELLER COMPANY SINCE 1991



ZEP  **LPS**
Low Pressure Sewer Systems



TRUSTED. TESTED. TOUGH.®

®

MUNICIPAL

24/7 ASE Service
Operator Friendly
Long Life Equipment
Ease of Installation
Expand Current Collection
System



DESIGN-BUILD

Hydraulic Analysis
Pipe Sizing
Start-up Support
Education



BUILDER/ DEVELOPER

Build In Difficult Terrains
Lower Material & Labor Costs
Autocad - Bim
Minimally Invasive Installations
Save Up-Front Capital Cost





ZOELLER ENGINEERED PRODUCTS

We provide products for storm water removal, sewage pumping stations, and hazardous environment applications for residential, commercial, and municipal markets. Available from 1/2 BHP to 60 BHP, each pump is customized by design, manufactured and installed according to exact application needs



ENGINEERING EXCELLENCE

With decades of experience in the municipal and residential industries, we design and build complete customized solutions for moving wastewater. We apply our experience to create highly reliable grinder packages, minimizing repair services and costs for the end user.



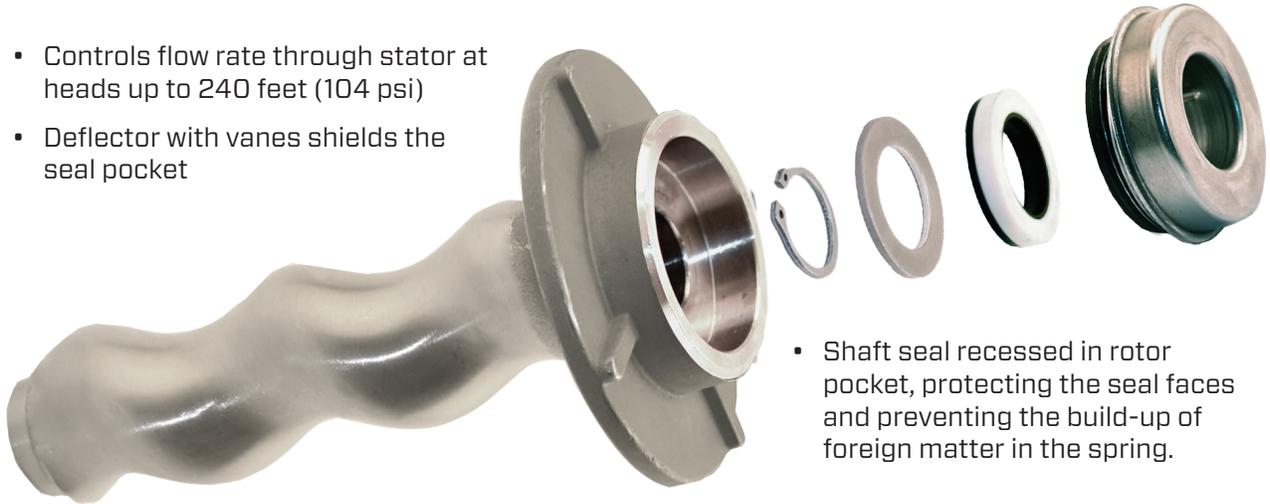
SIMPLY RELIABLE

We design and build our LPS systems with the same basic construction principles of our larger stations. All units are built at our factory in Louisville, Kentucky.

THE ZOELLER DIFFERENCE

HYDRAULIC ROTOR W/ DEFLECTOR

- Controls flow rate through stator at heads up to 240 feet (104 psi)
- Deflector with vanes shields the seal pocket



- Shaft seal recessed in rotor pocket, protecting the seal faces and preventing the build-up of foreign matter in the spring.

Grinder Pumps

- Centrifugal Grinders
- Progressing Cavity
- Bi-directional Centrifugal Grinder



Oil cooled motor and bearings with finned housings. The off position is located above the motor allowing the water in the basin to be used for additional cooling. This design feature promotes longer life. This is a unique feature of the 2 HP oil-cooled progressing cavity grinder pump. Special design features including mechanical seal, rotor, stator, Tri-Slice® cutter, relief valve, and oil filled motor and bearings encourage and deliver long service life.

Tri Slice® Cutter



- Razor-like cutting edges cut solid sizes to less than 1/8"
- Powerful cutting action as motor torque shared with only two blades
- Wing-shaped cutter design keeps surfaces free of debris

Integral Relief Valve

Protects pump and system from excessive pressure.

ZEP progressive cavity pumps are equipped with a spring-opposed piston valve located in the discharge volute. This device is commonly used to protect against over-pressure of a piping system or to protect equipment from damage due to over-pressure. This is a unique feature of the ZEP design.



6932 Replacement Units

Features

- Readily adapts to existing progressing cavity grinder pump systems
- Meets UL, CSA, and NSF Pump Standards
- 1 HP, 230 volts, 7.0 FLA, 60 Hz
- 2 HP, 230 10.5 FLA or 200 volts, 12 FLA, 60 Hz
- Electrical Quick-Disconnect (EQD) Plug
- Stainless steel fitted cover, stand, discharge, piping valves and fittings
- RWD or RWH 7021 systems with internally mounted level control
- Finned, cast iron construction
- Discharge size - 1-1/4" NPT
- Stainless steel check valve
- Red lifting rope
- Anti-siphon device (optional)



Cover-Mounted Installation
1 and 2 HP

Retro 27 (1 HP)
Retro 28 (2 HP)



RWD Control Panel

- NEMA 4X, lockable enclosure
- UL and CSA approved
- Pump run/test button
- Alarm for high water and redundant run
- Generator receptacle and automatic transfer switch
- RJ45 jack for online monitoring and reporting via Z Control® Cloud (sold separate)
 - Z Control® Gateway connects to the cloud and tracks event counter

6922 Packaged Systems

Features

- Progressing Cavity Pump - 2 HP 230V (200V 1 Phase optional configuration model). 1 HP 230V 1 Phase model also available
- 35' pump power cord
- Silicon carbide / carbon shaft seal
- 1.25" Discharge
- Flex Hose or Z Rail® configurations available
- 30x72 Rotomolded polyethylene basin assembly
- Fiberglass cover
- Simplex panel
- Stainless steel check valve
- Stainless steel shut-off valve
- Stainless steel anti-siphon valve
- Nylon rope (rated for 150 Lbs)



Flex Hose Assembly



Z Rail Assembly

Optional Risers



26" Riser



12" Riser

ACCESSORIES

Curb Stop

Stainless steel curb stop with shut-off valve, redundant check valve, and clean-out port. Installed at edge of the property.

Curb Box and Valve Extension Rod

Designed to fit over 1.25" curb stop valve (above) with adjustable depths (30" to 42" and 42" to 60"). Cast iron construction with a bolted down cover with SEWER imprinted marking. Extension rod available in 24", 36" and 48" lengths.

Level System Multi-Float Tree

- High level alarm
- On
- Off

Float tree snaps into basin. Allows for ease of removal for testing and cleaning. Floats come preset from the factory, and are adjustable if required.

Float tree with the water level at the off position covers the motor to optimize cooling of the submersible pump assembly.

EQD Adapter Assemblies

Enables a 6932 replacement assembly equipped with a different EQD plug to adapt to an existing EQD from the competitors panel. The plug assembly comes in 12" lengths and is adaptable for either round male EQD to rectangular female EQD or round female EQD to rectangular male EQD.

Lifting Rope or Cable

Pumps can be connected to a polypropylene rope (rated for 150 lbs.) or a stainless-steel lifting cable to remove the pump easily from being mounted on the Z Rail® or flex hose system.

Flexible Discharge Hose

Braided stainless steel

- 1-1/4"
- 2"



ZM3275
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Supersedes
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