

# ZOELLER<sup>®</sup>

ENGINEERED PRODUCTS

The Built-To-Order Division of Zoeller Company Since 1991

## Factory Assembled Lift Stations



Trusted. Tested. Tough.<sup>®</sup>

## **FACTORY ASSEMBLED LIFT STATIONS WITH Z-RAIL® TECHNOLOGY**

A preassembled lift station is the ideal solution for any sewage, grinder, stormwater, or pressure sewer lift station. Zoeller is able to offer the PUMPS, a CONTAINER, and CONTROLS (the three elements necessary for a complete lift station) quickly and affordably.

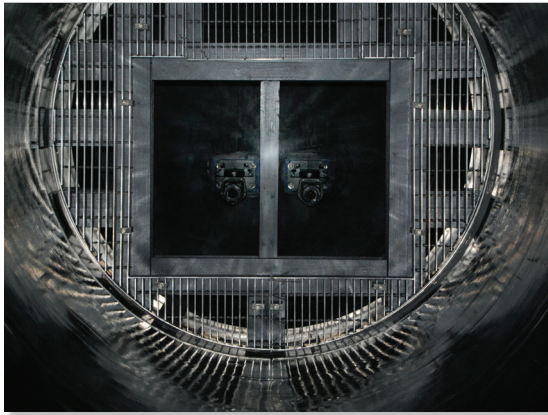
We make LIFT STATION selection and installation simple. We'll help you select the appropriate components for your application, providing you with a single source for the entire lift station, saving you time on procurement. Installation is fast, easy, and most importantly, cost effective because you are free to focus on other aspects of the project!

Our LIFT STATIONS, available in diameters up to 10' and depths up to 20', are constructed of the most durable and dependable materials. For the container, we use fiberglass because it is stronger and more flexible than concrete. It is also much lighter, making it easier to transport and set in place than concrete. The cracks and leaks that regularly occur with poured-in-place concrete often fail to show up until the concrete has cured. This takes time. Our fiberglass tanks are watertight. We know this because there are no joints or seams for groundwater to infiltrate the system or sewage to leak out.

We offer a broad selection of effluent, sewage, stormwater, grinder, progressing cavity, and heavy-duty solids handling pumps for everything from residential sewage applications to municipal lift station projects.







## **BENEFITS OF PREASSEMBLED LIFT STATIONS**

- ✓ SAVE TIME AND MONEY
- ✓ DESIGNED TO HANDLE SEWAGE AND STORMWATER
- ✓ EASY INSTALLATION - EXCAVATE AND CONNECT
- ✓ BELOW GRADE SO IT BLENDS IN WELL
- ✓ QUIET OPERATION
- ✓ Z-RAIL® GUIDE RAILS SIMPLIFY PUMP REMOVAL
- ✓ NO NEED FOR MAINTENANCE PERSONNEL TO ENTER
- ✓ CONTROLS ARE ACCESSIBLE FROM THE SURFACE
- ✓ PUMPS ARE SUBMERGED AND RUN COOLER
- ✓ SEALED COVER ELIMINATES ODORS
- ✓ CYLINDRICAL DESIGN IS STRUCTURALLY STRONG
- ✓ ROUND DESIGN PREVENTS SOLIDS ACCUMULATION
- ✓ SIMPLEX AND DUPLEX OPTIONS
- ✓ WIDE RANGE OF CAPACITIES AND PUMP OPTIONS
- ✓ ANTI-FLOTATION COLLAR BUILT IN

# SIMPLEX LIFT STATION

**COVER**  
(Solid, gas-tight hatch, or  
standard hatch options)

**LIFTING LUGS** (optional)

**INLET HUB**  
(Field-installed – 4", 6", or 8" pipe  
seal or cast iron options)

**FLOAT BRACKET  
AND FLOATS**  
(Float tree shown)

**DISCHARGE PIPE**  
(2", 3", 4", or 6" SCH 80 PVC,  
galvanized, or stainless steel  
options)

**CHECK VALVE**

**PUMP DISCHARGE**  
(1-1/4" to 6" vertical  
and horizontal)

**FIBERGLASS OR  
STEEL  
ANTI-FLOTATION  
COLLAR**

**COVER VENT**  
(Options include none,  
1, or 2)

**RAIL PIPE**  
(Galvanized or  
stainless steel options)

**SIDE DISCHARGE**  
(2", 3", 4" or 6" options)

**SHUTOFF VALVE**  
(Ball valve or plug  
valve options)

**SIMPLEX  
PREPACKAGED SYSTEM**

**PUMP**  
(Many options  
available)

**DISCONNECT**  
(Non-stainless, stainless steel and  
non-sparking options)

**BASIN HEIGHT**  
(Available from 48" to 144"  
in 12" increments) Consult  
factory for deeper depths

**BASIN DIAMETER**  
(Available from 24" to 10')



**COVER**  
(Solid, gas-tight hatch, or standard hatch options)

**COVER VENT**  
(Options include none, 1, or 2)

**LIFTING LUGS** (optional)

**FLOAT BRACKET AND FLOATS**  
(Float tree shown)

**INLET HUB**  
(Field-installed – 4", 6", or 8" pipe seal or cast iron options)

**SIDE DISCHARGE**  
(2", 3", 4" or 6" options)

**RAIL PIPE**  
(Galvanized or stainless steel options)

**DISCHARGE PIPES**  
(2", 3", 4", or 6" SCH 80 PVC, galvanized, or stainless steel options)

**SHUTOFF VALVE**  
(Ball valve or plug valve options)

**CHECK VALVES**

**DUPLEX PREPACKAGED SYSTEM**  
(Triplex and quadplex available. Consult factory)

**BASIN HEIGHT**  
(Available from 48" to 144" in 12" increments)  
Consult factory for deeper depths

**PUMPS**  
(Many options available)

**PUMP DISCHARGE**  
(1-1/4" to 6" vertical and horizontal)

**DISCONNECT**  
(Non-stainless, stainless steel and non-sparking options)

**BASIN DIAMETER**  
(Available from 36" to 10')

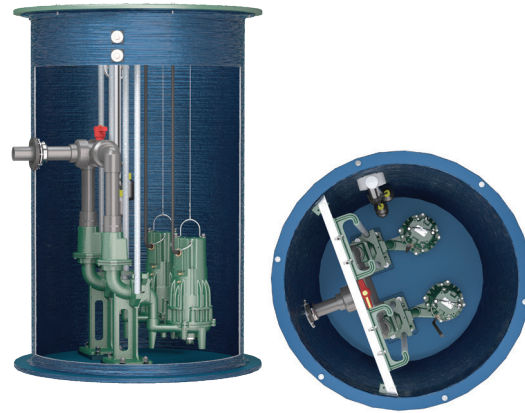
**FIBERGLASS OR STEEL ANTI-FLOTATION COLLAR**



# PREASSEMBLED LIFT STATIONS WITH Z-RAIL® TECHNOLOGY



Simplex System



Duplex System



Fiberglass

Aluminum

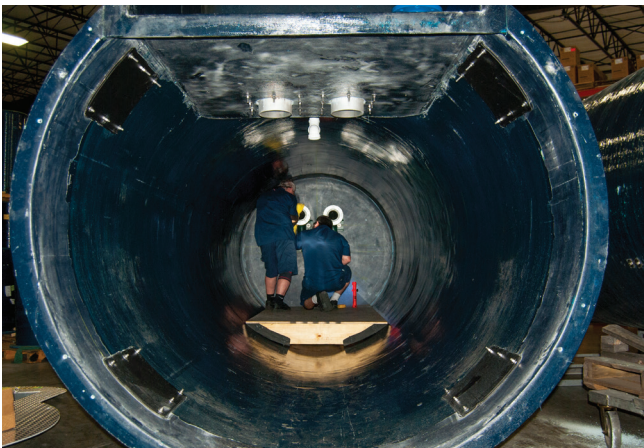
Steel

**Basins** – All basins come with an anti-flotation collar to resist buoyancy in high groundwater locations. Zoeller offers many basin size options. Diameters available range from 24" up to 10'. Depths available range from 48" to 144". Consult factory for deeper depths or for valve boxes.

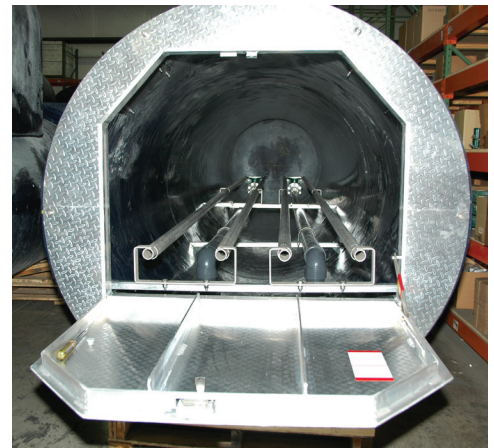
**Discharge Depth** – The discharge depth is customized to your needs.

**Basin Covers** – Zoeller offers a variety of covers and hatches for your package depending on the application and your preference. You can choose from a solid, gas-tight, or standard hatch.

**Pumps** – Zoeller Engineered Products offers a wide selection of pumps to choose from for basin packages. You can choose effluent, sewage, or grinder pumps. Standard or explosion-proof (hazardous duty) models are available.



Duplex wet well valve box



Duplex wet well rails



**Rail Systems** – 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 rotate on the rail during installation or removal.



**Float Switches** - Float switches are pre-set and suitable for most installations. They arrive mounted in the basin. 3 or 4 float configurations are available.

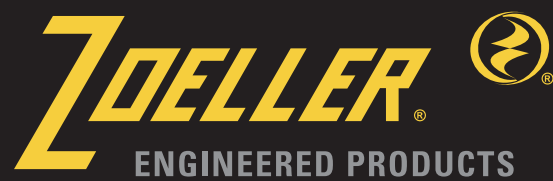
- Float Tree - Tree is mounted on a support bracket for easy access during maintenance.
- Float Brackets - Use with weighted floats.



Grinder systems ready for Las Vegas project.



ZM 3146  
0322  
Supersedes  
0120



3649 Cane Run Road • Louisville, KY 40211 • 502-778-2731 • 1-800-928-7867 • [zoellerengineered.com](http://zoellerengineered.com)

© Copyright 2022 Zoeller® Co. All rights reserved.