

# ZOELLER PUMPS

FM0532  
0307  
Supersedes  
0606

1-800-928-7867  
[www.zoeller.com](http://www.zoeller.com)

PUMPS THE PROS USE



Manufacturers of Quality Pumps Since 1939

When it comes to protecting your good name . . . . .

# Effluent and Dewatering Pumps . . .

## "81" THERMOPLASTIC .3 HP / "82" CAST IRON 1/3 HP "84" CAST IRON 1/2 HP

- Automatic, 115V, 1 Ph.
- Non-clogging Vortex Impeller design.
- 1¼" discharge models 81 & 82.
- 1½" discharge model 84.
- Permanently lubricated motor with overload protection.
- Noncorrosive shaft.
- "81" Series .3 HP features high impact PVC column and thermoplastic pump housing and base.
- "82" Series 1/3 HP features high impact PVC column and cast iron pump housing and base with corrosion resistant powder coated epoxy finish.
- "84" Series 1/2 HP features high impact PVC column and cast iron pump housing and base with corrosion resistant powder coated epoxy finish.



Model M82 Pictured.

## MIGHTY MOVER MODELS 310 / 311

PORTABLE NON-SUBMERSIBLE  
UTILITY PUMP

- 115 Volts single phase/60 Hz or 12 Volts DC.
- Lifts water from 15 feet below pumping level.
- Garden hose connections.
- Use to remove water from:
  - ✓waterbeds ✓water heaters
  - ✓washing machines
- Use to add propylene glycol anti-freeze to radiant heating lines.
- Maximum temperature for dewatering -130°F (54°C).
- 90 days limited warranty.



Model 310



Model 311

## FLOOR SUCKER SERIES UTILITY PUMP MODEL "42 / 44 / 46"



Certified to CSA Standard C22.2 No. 108



- Model 42 is 1/6 HP. Model 44 is 1/4 HP. Model LM44 is 1/4 HP automatic operation. Model 46 is 1/2 HP.
- Use fully or partially submerged.
- 3-prong power cord, 9 ft. or 20 ft.
- High quality sealed motor.
- Thermal overload protected motor.
- Screened bottom may be removed to allow easy cleaning.
- Use indoors or outdoors.
- Typical applications; dewatering and filling.
- Models 42 & 44 remove water from any flat surface down to 1/8" (with base removed). Model 46 will pump down to 1"
- Lightweight and portable.
- No oil to contaminate fish ponds (Models 42 and 44 only).
- Compact design. Models 42 & 44 will fit in a 7" opening; model 46 into an 8" opening.

## The "High Capacity" Water Mover

MODEL 314 PORTABLE NON-SUBMERSIBLE UTILITY PUMP

- 115 Volt, ½ HP motor.
- Cast iron pump housing.
- 9 ft. power cord with on/off switch.
- Up to 110' of TDH and maximum of 1400 GPH capacity.
- Use for removing water from water heaters; power washing; water transfer and adding propylene glycol anti-freeze to radiant heating lines.



Certified to CSA Standard C22.2 No. 108

## Water Ridd'r III

### "49" CAST IRON SERIES



227875  
Certified to CSA Standard C22.2 No. 108



- Automatic - 115V, 1 Ph, 60 Hz, 1/4 HP, 3.8 Amps, 3450 RPM.
- Oil-filled, hermetically sealed, automatic reset thermal overload protected motor.
- Rugged cast iron motor housing with corrosion resistant baked-on enamel finish.
- Efficient heat sink for heat dissipation.
- Engineered thermoplastic base/pump housing.
- Passes 3/8" spherical solids.
- Non-clog Vortex Impeller, engineered glass-filled thermoplastic with metal insert.
- UL Listed 9 ft. 3-wire cord and plug.
- Reliable tethered float switch.
- Carbon & ceramic rotary seal.
- Watertight neoprene seal between motor and cover.
- Stainless steel screws and hardware.

## "53" CAST IRON SERIES\* / "57" CAST IRON SERIES\*\* "55" BRONZE SERIES\*\*\* / "59" BRONZE SERIES\*\*\*\*



Tested to UL Standard UL778 & Certified to CSA Standard C22.2 No. 108



- Automatic or Nonautomatic.
- .3 HP, 1 Ph, 115V or 230V.
- Non-clogging Vortex Impeller design.
- Passes ½" spherical solids.
- 1½" NPT discharge.
- Automatic reset thermal overload protection.
- Float operated 2-pole mechanical switch.
- Corrosion resistant powder coated epoxy finish.
- Stainless steel screws, guard, handle and switch arm assembly.
- Cast iron switch case, motor and pump housing.
- Engineered, glass-filled impeller with metal insert.
- Glass-filled polypropylene base.

BN/BE Models available packaged with a piggyback variable level float switch.

\* Cast iron motor housing, pump housing and switch case. Glass-filled polypropylene impeller and base.  
\*\* Cast iron motor housing, pump housing, switch case, base and impeller.  
\*\*\* Bronze motor housing, pump housing and switch case. Glass-filled polypropylene impeller and base.  
\*\*\*\* Bronze motor housing, pump housing, switch case, base and impeller.

## "AQUA-MATE" Model "72 / 76"



Tested to UL Standard UL778 & Certified to CSA Standard C22.2 No. 108



- Automatic or Nonautomatic.
- 115V, 1 Ph, 60 Hz, 3400 RPM.
- Model 72, .3 HP / Model 76, 1/2 HP.
- Automatic reset thermal overload protected.
- Noncorrosive engineered plastic motor housing, pump housing and base.
- Stainless steel heat sink.
- No steel sheet metal parts to rust or corrode.
- Oil-free.
- 2-pole float operated mechanical switch.
- UL Listed 9 ft. cord with 3-prong plug.
- Passes 3/8" spherical solids.
- 1½" NPT discharge.
- Non-clogging Vortex Impeller.

... you can always depend on ours.



**"98" CAST IRON SERIES**

- Automatic or Nonautomatic.
- 1/2 HP, 1 Ph, 115V or 230V.
- Non-clogging Vortex Impeller design.
- Passes 1/2" spherical solids.
- 1 1/2" NPT discharge.
- Float operated 2-pole mechanical switch.

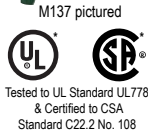
- Automatic reset thermal overload protection.
- Corrosion resistant powder coated epoxy finish.
- Stainless steel screws, guard, handle and switch arm assembly.
- Watertight neoprene "□" ring between motor and pump housing.



BN/BE Models available packaged with a piggyback variable level float switch.

**"137" / "140" CAST IRON SERIES\***  
**"139" BRONZE SERIES / "4140" DOUBLE SEAL SERIES\***

- Automatic or Nonautomatic (140/4140 Nonautomatic Only).
- Model 137, 140, 4140 - all cast iron. ASTM class / Model 139 - all bronze.
- 130 series available in 1 & 3 Ph (115, 200-208 & 230V - 1 Ph) (200-208, 230 & 460V - 3 Ph). Model 140/4140 115 & 230V - 1 Ph only.
- Non-clogging Vortex Impeller design.
- 130 series passes 5/8" spherical solids & 140 passes 1/2" spherical solids.
- 1 1/2" NPT discharge.
- Float operated 2-pole mechanical switch.
- Automatic reset thermal overload protection, 1 Ph only.
- Corrosion resistant powder coated epoxy finish.
- Stainless steel screws, bolts, guard, handle and switch arm assembly.



\*140/4140 are cCSAus Listed.

BN/BE Models available packaged with a piggyback variable level float switch.

**HIGH HEAD "161-163-165-185-186-188-189" SINGLE SEAL SERIES**  
**"4161-4163-4165-4185-4186-4188-4189" DOUBLE SEAL SERIES**  
**"191" SINGLE SEAL DRIP SYSTEM\***

- Automatic (single seal only) or Nonautomatic.
- Non-clogging cast bronze Vortex Impeller.
- Passes 3/4" (191 passes 5/8") spherical solids.
- 1 1/2" NPT discharge standard.
- 2" or 3" flange available.
- 1 & 3 Phase models available (115, 200-208 & 230V - 1 Ph) (200-208, 230, 460 & 575V - 3 Ph). (Not applicable on all models.)
- Float operated 2-pole mechanical switch. Single seal & single phase only.
- Corrosion resistant powder coated epoxy finish.
- Stainless steel screws, bolts, float rod, handle, guard and switch arm assembly.
- Automatic reset thermal overload protection, 1 Ph only.
- Durable cast iron construction.
- 20 ft. UL Listed neoprene cord and plug.



Nonautomatic 180 Series Pictured



**CAUTION** Model 185 should not be subjected to less than 30 feet TDH.  
BN/BE Models available packaged with a piggyback variable level float switch.

**"Waste-Mate"**  
**"264" CAST IRON SERIES**

- Automatic or Nonautomatic.
- Float operated 2-pole mechanical switch.
- Non-clogging Vortex Impeller design.
- .4 HP, 115V & 230V, 1Ph, 60 Hz, 1725 RPM.
- Engineered, glass-filled, plastic impeller with metal insert.
- Cast iron switch cap, motor, and pump housing.
- Corrosion resistant powder coated epoxy finish.
- Stainless steel screws, guard, handle and switch arm assembly.
- Passes 2" spherical solids.
- Engineered plastic base.
- Thermal overload protected.



BN/BE Models available packaged with a piggyback variable level float switch.

**Sewage and Dewatering Pumps**

**"Waste-Mate"**  
**"266\* - 267 - 268" CAST IRON SERIES**  
**"270" CAST IRON SINGLE SEAL SERIES\*\***  
**"4270" CAST IRON DOUBLE SEAL SERIES**

- Automatic or Nonautomatic (270/4270 Nonauto Only).
- Passes 2" spherical solids.
- Non-clogging Vortex Impeller design.
- Features 2" NPT discharge.
- 268 series features a 2" female-3" male combination NPT discharge as part of the pump.
- Float operated 2-pole mechanical switch.
- Automatic reset thermal overload protection, 1 Ph only.
- Corrosion resistant powder coated epoxy finish.
- Stainless steel screws, bolts, handle, guard and switch arm assembly.
- Switch case, motor and pump housing, and \*base are of cast iron.
- 266, 267, & 268 1/2 HP, 1 & 3 Phase available. (115, 200-208 & 230V - 1 Ph), (200-208, 230 & 460V - 3 Ph).
- 270/4270 1 HP, (115 & 230V - 1Ph only)



M267 pictured

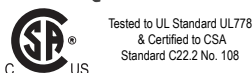


\*266 features an engineered plastic base.

BN/BE Models available packaged with a piggyback variable level float switch.

**"Aqua-Mate"**  
**Model "211"**

- Automatic or Nonautomatic.
- .4 HP, 115V, 1Ph, 60 Hz, 3400 RPM.
- Automatic thermal overload protected.
- Noncorrosive engineered plastic motor housing, pump housing and base.
- Passes 2" spherical solids.
- 2" discharge.
- Oil-free.
- All stainless steel hardware.
- Non-clogging Vortex Impeller design.
- UL Listed 15 ft. cord.



When it comes to protecting your good name . . . . .

## Sewage and Dewatering Pumps, continued

### "282 - 284" CAST IRON SINGLE SEAL SERIES "4282 - 4284" CAST IRON DOUBLE SEAL SERIES

- Automatic (single seal only) or Nonautomatic.
- 282/4282 1/2 HP, 1 & 3 Phase available.
- 284/4284 1 HP, 1 & 3 Phase available.
- Non-clogging Vortex Impeller design.
- Passes 2" spherical solids.
- Float operated 2-pole mechanical switch.
- Automatic reset thermal overload protection (1 Ph models only).
- Corrosion resistant powder coated epoxy finish.
- Stainless steel screws, bolts, float rod, handle, guard and switch arm assembly.
- Specify 2" or 3" flanged discharge.

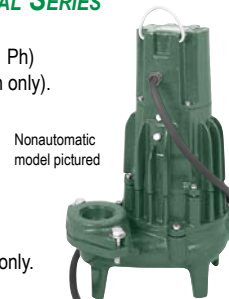


UL  
SP  
Tested to UL Standard UL778 & Certified to CSA Standard C22.2 No. 108

BN/BE Models available packaged with a piggyback variable level float switch.

### HIGH HEAD "292-293-294-295" SINGLE SEAL SERIES "4292-4293-4294-4295" DOUBLE SEAL SERIES

- Automatic (single seal only) or Nonautomatic.
- 1 & 3 Phase models available (200-208 & 230V - 1 Ph) (200-208, 230, 460 & 575V - 3PH) (292, 115V, 1Ph only). (Not applicable on all models.)
- Bronze Vortex Impeller, Non-clogging design.
- Passes 2" spherical solids.
- Specify 2" or 3" flanged discharge.
- Float operated 2-pole mechanical switch available. Single seal & single phase only.
- Automatic reset thermal overload protection, 1 Ph only.
- Durable cast iron construction.
- Corrosion resistant powder coated epoxy finish.
- Stainless steel screws, bolts, handle, guard, switch arm assembly.
- 20 ft. UL Listed 3-wire neoprene cord and plug.



Nonautomatic model pictured

UL  
SP

BN/BE Models available packaged with a piggyback variable level float switch. NOTE: No UL Listing for 200-208V/1 Ph pumps.

Tested to UL Standard UL778 & Certified to CSA Standard C22.2 No. 108

### "404-405" SINGLE SEAL SERIES "4404-4405" DOUBLE SEAL SERIES



- All cast iron construction.
- Motor - 2 HP (404/4404), 3 HP (405/4405) - 60 Hz, 1725 RPM, oil-filled and hermetically sealed with automatic reset thermal overload protected (1 Ph).
- 1 & 3 Ph models available (200-208V & 230 -1 Ph) (200-208, 230, 460V, 575V-3 Ph).
- UL Listed - Cord - 20 ft. 3-wire neoprene cord and plug.
- Impeller - Non-clogging vortex.
- Passes 3" spherical solids.
  - 4" horizontal flanged discharge, fits standard 4" pipe flange.
  - Corrosion resistant powder coated epoxy finish.
  - Stainless steel screws, bolts, washers, lifting bracket.
  - Temperature to 130°F (54°C).

39-0016 4" Rail Systems available See FM0902

### 600 SERIES STANDARD NON-CLOGS

- 1 - 7½ HP with 1725 RPM Motors.
- 230V/1 Ph and 200-208, 230, 460, 575V/3 Ph.
- Flow capacities up to 660 GPM.
- Total dynamic heads up to 66 ft.
- 2½" spherical solids capacity.
- Dual tandem mechanical seals.
- Class 30 Cast Iron construction with oil-filled motor housing.
- Corrosion resistant powder coated epoxy finish.
- 3" Vertical and 3" & 4" Horizontal Discharge.
- Rail Systems - Control Panels - Basins - Lifting Cables - available.



## Simplex Systems . . .

### SEWAGE PACKAGE SYSTEMS

#### 910 SERIES

Choose your own package system for versatility and warehouse storage.

**Pumps** - 264, 267, 268.

**Basins** - 18" x 30" polyethylene, polyfoam or fiberglass with 2" or 3" vent and discharge.

**Unichek** - Check Valve 2" cast iron or PVC.

#### 912 SERIES

Preassembled (Job Ready) for indoor & outdoor applications.

Includes:

**Pumps** - 115V model 211, 264 or 266.

**Controls** - M (mechanical switch) or BN (piggyback variable level float switch). Optional alarm.

**Basins** - 18" x 30", 24" x 24" & 24" x 36" polyethylene, polyfoam and fiberglass or 10 ft. stack LA code models with piping. Side vent - 24" x 30". Premium systems have black basin and anti-floatation device.

(See FM0454 for various models)



912-0063 shown

## Duplex Systems . . .

### Duplex Prepackaged System

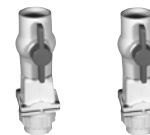
Consists of:

- (2) Automatic M264 - 4/10 HP or (2) Automatic M267 - 1/2 HP pumps.
- 30" x 36" Polystructural Foam Basin with Fiberglass Lid.
- Smart Pak Plus Residential Alternator - Plug-in Connections and High Water Alarm.
- (2) Tri-Checks® - Check Valve, Ball Valve and Union combined.

SYSTEM IS UNASSEMBLED

910-0030 - M264

910-0031 - M267



... you can always depend on ours.

## Hazardous Environment . . .

### X600 SERIES EXPLOSION PROOF SUBMERSIBLES

- 1 - 7.5 HP with 1750 RPM motors.
- FM & CSA Rated Class 1, Division 1, Groups C & D motors.
- 230V/1 Ph and 200-208, 230, 460, 575V/3 Ph.
- Flow capacities up to 600 GPM.
- Total dynamic heads up to 60 ft.
- 2½" spherical solids capacity.
- Dual tandem mechanical seals.
- Class 30 cast iron construction with oil-filled, hermetically sealed motor housing.
- 3" vertical and 3" & 4" horizontal discharge.
- Patented moisture detection system.
- Rail systems - control panels - basins - lifting cables - available.



4" Horizontal Discharge



Covered by US Patent Number 6,364,620

3" Vertical Discharge

### SUBMERSIBLE EXPLOSION PROOF

#### Effluent, Sewage or Dewatering Pump

- X161 - X163 - X165 - X185 - X186 - X188 - X189 - X191
- X282 - X284 - X292 - X293 - X294 - X295
- X404 - X405



- FM Listed motor for Class 1, Division 1, Group C & D environments.
- Non-clogging vortex impeller design bronze class 88-8-0-4. Stainless steel rotor shaft.
- Durable cast construction. All cast iron class 30, 30000# tensile strength.
- Stainless steel screws and handle.
- 20 ft. UL Listed 5-wire (1 Ph) or 8-wire (3 Ph) neoprene cord. Extra cords lengths available.
- Threaded conduit connection.
- Moisture sensors prewired in motor housing (requires indicator in panel).
- Zoeller custom designed panels with intrinsically safe relays and moisture indicator are required.
- Motor - 60 Hz, 1725 RPM & 3450 RPM, oil-filled, hermetically sealed, automatic reset thermal overload protected (3 Ph requires circuit in control panel).
- Upper ball bearing and lower ball bearing running in bath of oil.
- Corrosion resistant powder coated epoxy finish.



## Grinder Pumps . . .

### THE SHARK Series 820 GRINDER PUMP

#### 820 SERIES GRINDER PUMP



- Automatic with Integral Control, Nonautomatic available.
- Control Panels are not required.
- Durable heavy duty finned cast iron construction.
- Legs provide for free standing installation.
- 2 HP, 60 Hz, 1 Ph, 3450 RPM.
- Oil-filled - Hermetically sealed motor.
- Hardened stainless steel cutter and disc.
- Cutters protected from abrasive solids.
- Stainless steel screws, bolts and lifting handle.
- Corrosion resistant powder coated epoxy finish.
- Easily adapts to rail systems.
- Automatic thermal overload protection.
- Simplex grinder package systems (unassembled and job ready/assembled) available.



### THE SHARK Series

#### PROGRESSING CAVITY GRINDER PUMPS 810 - 1 HP 230V/1 Ph, 815 - 2HP 230V/1 Ph



- UL Listed 20 ft. 3-wire neoprene cord with 15 amp plug.
- Hardened stainless steel cutter and disc, Rockwell C55-60.
- Stainless steel hydraulic pump rotor.
- Pressure relief valve.
- Upper and lower ball bearing construction.
- Integral thermal overload protection with automatic reset.
- SS mounting stand for free standing installation.
- Preassembled systems available.

### THE SHARK Series 841 GRINDER PUMP

#### 841 SERIES SINGLE DIRECTIONAL GRINDER PUMP



- 3 HP, 60 Hz, 3450 RPM.
- 1½" NPT vertical discharge.
- Oil-filled, hermetically sealed motor with Class F windings.
- Hardened stainless steel cutter and disc, Rockwell C55-60.
- Cutters protected from abrasive solids.
- Bronze vortex impeller.
- Upper and lower ball bearing construction.
- Stainless steel screws, bolts and lifting bail.
- Easily adapts to many existing competitors' rail systems.
- Dual mechanical seals with leak detection.
- Automatic thermal overload protection (1 Phase).
- Preassembled systems available.
- 61 GPM maximum flow, 125 feet shut-off head.



### THE SHARK Series 840 GRINDER PUMP

#### 840 SERIES REVERSIBLE GRINDER PUMP



Tested to UL Standard UL778 & Certified to CSA Standard C22.2 No. 108



- 2 HP, 60 Hz, 3450 RPM.
- 1½" NPT vertical discharge.
- Reversible cutter action.
- Carbon/ceramic tandem seals.
- Thermal sensors.
- Moisture probes.
- Class F winding insulation.
- Balanced bronze impeller.
- Stainless steel cutter and plate.
- Stainless steel rotor shaft.
- Stainless steel screws, bolts, and lifting bail.
- Legs for free standing installation.
- Corrosion resistant powder coated epoxy finish.
- 20 ft. power cord.
- 20 ft. sensor cord.
- Rails, controls, and prepackaged systems.
- Automatic reset thermal overload protection, 1 Ph only.

When it comes to protecting your good name . . . . .

# Specialty Products . . .

## HIGH TEMPERATURE SUBMERSIBLE PUMPS "3098 - 3137 - 3139 - 3161 - 3163 - 3282" CAST IRON/BRONZE SERIES



- Automatic or Nonautomatic.
- Comprehensive line of models, styles and modes.
- Corrosion resistant powder coated epoxy finish.
- High temperature liquid-tight conduit used with the High temperature cable.
- High temperature motor windings, seals and gaskets.
- Vortex Impeller design.
- High temperature thermal overload protected.

### "HIGH TEMPERATURE SUBMERSIBLE PUMPS FOR USE IN DEWATERING APPLICATIONS UP TO 200° FAHRENHEIT"

M3098 Pictured (Product may not be exactly as pictured)

## "2000" SERIES HIGH TEMPERATURE INTERMITTENT PUMPS "2057 - 2098 - 2137 - 2282"

- A high temperature submersible pump series with electrical components meeting the National Electrical Code requirements for intermittent service up to 200° F.
- High Temperature motor leads and thermal overloads.
- Float operated mechanical switch is mounted directly to the discharge pipe.
- Corrosion resistant powder coated epoxy finish.
- Available in .3 to 1/2 HP.
- From 1/2" to 2" spherical solids passing.

### TYPICAL APPLICATIONS:

- Boiler blow-down
- Hot water transfer
- Plant wash-down
- Transformer vaults
- Industrial steam cleaning



Model 2057 Pictured



POWDER  
COATED  
TOUGH™

## ZOELLER'S CRAWL SPACE PUMPING SYSTEM helps to eliminate water and dampness for your customers!

### "ADD-ON" SERVICE FOR:

- Pest control operators
- Contractors
- Waterproofers
- Remodelers

### HELPS ELIMINATE . . .

- Odor.
- Insecticide dilution.
- Mold and fungus which cause allergies.
- Moisture damage to wood floors, rugs, metal ducts, insulation.
- Structural damage due to freezing water buckling concrete.
- Water pooling in yard, on driveway, patio, and around house.



## AGRICULTURAL "4290" - "4291" DOUBLE SEAL SERIES

- Durable cast iron construction with stainless steel screws and handle.
- Corrosion resistant powder coated epoxy finish.
- Motor - 230V, 60 Hz, 3450 RPM, 1 HP (4290), 2 HP (4291), oil-filled, hermetically sealed, thermal overload protection with automatic reset (1 Ph only).
- Non-clogging Vortex Impeller.
- Passes 1 1/2" spherical solids. Large clearances to help prevent stoppage from buildup of solids.
- Silicon carbide & silicon carbide lower seal, Silicon carbide & carbon upper seal.
- Pump flotation devices available for lagoon installations. (See FM1473)



## PREASSEMBLED SUMP PUMP SYSTEMS 900 SERIES

- Eliminate assembly time, improper installation or clogging of the pump due to debris put in the pit during construction.
- Preassembled with your choice of a 3/10 HP, M53 or M72 sump pump.
- Discharge pipe is plumbed through the lid with a predrilled 3/16" weep hole.
- Pump is set and cover is sealed and bolted down for quick installation.
- 18" X 22" basin with 4" inlet.
- Available Deluxe Model with a Radon approved polystructural foam basin and cover or the Standard and Economy Models with a polyethylene basin and cover.
- Cover has a 1 1/2" discharge and 2" or 3" vent (Radon system has a 3" vent only).
- Drop it in the hole and go!



## DRAIN PUMP SERIES 104\*, 105, 110, 115, 120, 131, 132\* (Preassembled)

Removes water from areas where gravity flow is not available.

Easy installation-no need to dig a sump. The Zoeller Drain Pump System is excellent for bar sinks, laundry trays, lavatories, air conditioning condensation, dishwashers or garbage disposals. The tank has a compact design to fit under sinks by installing a p-trap inside the tank through the top inlet or gravity feeding into the side. No screens to unclog. IAPMO approved (except Models 104 & 132).

### Includes:

- Pump:
 

104 Series* - M72	105 Series - M53	132* (Preassembled) - M72
110 Series - M55	115 Series - M57	
120 Series - M59	131 Series - M98	
- Polypropylene basin and lid. 5 gallon capacity with 1 1/2" NPSM (standard tubular pipe) threaded inlet, 1 1/2" discharge and 2" vent.
- Internal discharge pipe to basin lid.
- Check valve (30-0181) (check valve not included with Model 104).



\*Models 104 & 132 are not IAPMO approved.



Top & Side  
Inlets



105 Series Pictured

(See FM0622)

... you can always depend on ours.

## BACKUP SYSTEMS

### 580 - 585 HIGH CAPACITY BATTERY BACKUP PEDESTAL PUMP

#### APPLICATION:

##### Extra Protection

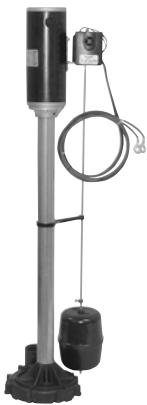
- When your primary sump pump fails for any reason, depend on the Aquanot Series.
- No interruption in pump operation because of power outage or failure of primary pump.
- Redesigned switch configuration to incorporate a heavy duty Square D switch with adjustable float stops. All preassembled and ready to protect your basement.



#### COMPARE THESE FEATURES:

- Pump has heavy duty 12 volt motor and positive contact float switch.
- Stainless steel column and shaft.
- Noncorrosive float rod and base assembly.
- Discharges water as fast as many primary pumps.
- *Aquanot I* equipped with .5 amp battery monitor designed to maintain a fully charged battery.
- *Aquanot II* equipped with automatic electronic 25 amp charger to maintain and recharge battery.
- Pump alarm included with all Aquanot pumps.
- Warranty - 12 months from date of installation or 18 months from date of manufacture. However, the 12 month warranty is extended to 36 months with the purchase of an Aquanot battery by Zoeller.

Products may not be exactly as illustrated.



Aquanot I  
Battery Monitor,  
.5 amp



Aquanot II  
Electronic Charger, 25 amp  
(May be purchased separately.)



Aquanot Deep-cycle battery  
(purchase separately)



P/N 10-1450 - AGM  
P/N 10-0761 - Wet (shown)  
P/N 10-0764 - Battery Box

### THE "ZOELLER OIL SMART® SYSTEM"

The Zoeller Oil Smart® System is designed to help protect the environment and equipment from the dispersion of oil/hydrocarbons in elevator sumps, transformer vaults and manufacturing facilities. Three models to choose from: 57 series, 3/10 HP pumps; 152 series, 4/10 HP pumps or 153 series, 1/2 HP pumps. The Oil Smart® Switch features preset on and off points, differentiates oil and water and alerts maintenance personnel of high water or oil detected conditions. Sold as a complete system (940) with pump, switch and alarm or as individual items. (See FM2193)



Model 940-0005 shown.

### Basement Sentry™ Models 507-510 High Capacity Battery Backup Submersible Sump Pump

For clear water, emergency backup usage when power is off or primary pump fails. Extra Protection - When the primary AC pump fails due to:

- Storms • Brownouts
- Primary pump fails due to damage, mechanical malfunction or obstructions in the pit.
- When the primary pump fails to keep up with excessive water due to rain or overloading.

#### Features:

- 10 Amp battery charger with burnout and battery overcharge protection.
- PUMP - 12 volt highly efficient with noncorrosive construction.
- CONTROL BOX - 12 volt, DC, fully solid state, automatic with complete light, alarm indicators and warning system.
- CONTROL DEVICE - Variable level reliable (Low Voltage) float switch.
- BATTERY CASE - 12½" (L) x 7" (W) x 7¾" (H).
- INSTALLATION - All required fittings, check valves & instructions are included.
- Provides for high capacity capabilities in critical installations and faster charging recovery of the battery. Multiple batteries (130 amp hour deep-cycle) can be used for additional protection. (Model 510 Only)
- Warranty - 12 months from date of installation or 18 months from date of manufacture. However, the 12 month warranty is extended to 36 months with the purchase of an Aquanot battery by Zoeller.

Model 507



**Note:** Three year limited warranty valid only when a complete system is purchased and used as a backup to a primary dewatering system. A complete system includes a Model 507 or 510 Basement Sentry™ and an Aquanot Battery.

Product may not be exactly as pictured.

### HOME-GUARD® SYSTEM

502-0005

#### THE PUMP THAT PUMPS WATER... WITH WATER

Takes over without... motor, electricity or batteries



- No electricity required.
- Works during power failures.
- Helps eliminate flooding in basements, etc.
- On guard 24 hours a day.
- Anticorrosive materials.
- Fast, easy installation.
- Use with any existing brand of pump.
- 12 month limited warranty.
- Rigid float switch design for reliability.

The automatic sump pump that works with municipal household water pressure. The ideal economical standby to an electric sump pump.

### CONDENSATE PUMPS MODELS 520 & 521

- Automatically removes condensation from air conditioning and 90+ condensing furnaces, as well as dehumidifiers, ice makers, water coolers, and refrigeration systems.
- Unique bearingless motor means greater reliability and longer life.
- Can be wired to automatically shut down appliance and/or activate alarm.
- Compact design. (10" x 5" x 4.75" height)



Tested to UL Standard UL778  
& Certified to CSA  
Standard C22.2 No. 108



When it comes to protecting your good name . . . . .

## Specialty Products, continued

### "END SUCTION CENTRIFUGAL" PUMP

300 - 301 - 302 - 303 - 304 - 305  
Nonsubmersible End Suction Pump



Tested to UL Standard UL778  
& Certified to CSA  
Standard C22.2 No. 108



#### COMPARE THESE FEATURES:

- Heavy duty motors.
- Four position discharge.
- Mechanical seal.
- Easily serviced.
- 1/3 HP thru 2 HP / 3450 RPM.
- Suction port 1-1/2".
- Discharge 1-1/4".
- Cast iron construction.
- cCSAus listed.
- No-lead brass impellers electronically balanced.

#### APPLICATIONS

- Water Transfer
- Cooling Water
- Dewatering
- Mixing Water
- Pressure Boosting
- Irrigation
- Circulation

### "LAWN SPRINKLER PUMPS"

330 - 331 - 332 - 333 Cast Iron Series



Tested to UL Standard UL778  
& Certified to CSA  
Standard C22.2 No. 108

#### COMPARE THESE FEATURES:

- Cast iron pump housing.
- Air volume control connection.
- Self-priming after initial fill of pump housing.
- Mechanical seal.
- Top suction.
- Large reservoir.
- High impact molded plastic impeller.
- 3/4 HP thru 2HP/ 3450 RPM.
- Carbon ceramic seal.
- 2" suction and 1 1/2" discharge.
- Mounting bracket.
- NEMA J motor design.
- cCSAus listed



#### APPLICATIONS

- Irrigation.
- Lawn sprinkler systems.
- Gardens.
- General purpose water transfer.

### "GENERAL PURPOSE & SOLIDS HANDLING GAS ENGINE PUMPS"

Portable Self-Priming Engine-Driven Contractor Pumps with Briggs & Stratton Engines

Model 320



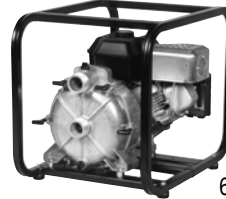
3.5 HP

Model 321



3.5 HP

Model 322



6.5 HP

Model 323



6.5 HP

### "HIGH PERFORMANCE CITY PRESSURE BOOSTER SYSTEMS"

350/351 Series, 352 Series and 353/354 Series

- Delivers water at higher pressure.
- Diaphragm tank is more efficient than other tanks.
- Built-in protection from short cycling.
- Consistent water pressure at operating flow rate.
- Stainless steel or painted 20 gallon tank.
- One year limited warranty on pump 5 year limited warranty on tank.



350 / 351 SERIES

POWDER  
COATED  
**TOUGH™**



352 SERIES



353 / 354 SERIES



Patent  
Pending

### "AERATION/FOUNTAIN PUMP MODEL 370-0002"



- Produces water fountain up to 15' high.
- Easy to install. Pre-assembled with Water Lily Pattern.
- Operates in 5' or more of water.
- Aerates up to 4,900 gallons of water per hour.
- Continuous duty.
- 100' electrical cable with GFCI plug connects directly to 120V outlet.
- Flotation system with UV resistant polyethylene float.
- Eye bolts for easy anchoring.
- 12 month limited warranty.
- Adds unique focal point and value to your home and property.
- Helps eliminate stagnant water.
- Reduces mosquitos and algae build up.



Tested to UL Standard  
UL778 & Certified to  
CSA Standard C22.2  
No. 108





... you can always depend on ours.

## Zoeller On-site/Septic Products

### 5040 FILTERED STEP SYSTEMS

The Zoeller Filtered STEP System is designed to be an economical solution to your On-Site pumping requirement. When the effluent must be pumped up hill or when enhanced flow is needed, the Filtered STEP System is the answer without the cost of an extra pumping chamber. This system is a self-contained pump and effluent filter.

#### Standard Filtered STEP System

##### APPLICATION:

On-Site enhanced flow or low pressure pipe (LPP) systems, or repairs to failed septic systems where gravity flow is not an option.

##### FLOW RATE:

Centrifugal vortex pump - 18 GPM.

##### MATERIALS:

- Tank - polyethylene.
- Model 51 - Cast iron,  
.3 HP, 115V, 1 Ph, 1½" discharge.
- Model 142 - Cast iron,  
1 HP, 115V, 1 Ph, 1½" discharge.
- Heights from 35" to 63".



See FM1550.

### 5041 EFFLUENT TURBINE FILTERED STEP SYSTEM

PATENT NO.  
5,985,139

##### APPLICATION:

On-Site enhanced/pumped septic systems, or repairs to failed septic systems where gravity flow is not an option, sand filters, pressure pipe dosing systems or other alternatives that require high head.

##### FLOW RATE:

High Head Turbine Pump - Systems up to 85 GPM available.

##### MATERIALS:

- Tank - polyethylene.
- Stainless steel/plastic deep well submersible pump.
- ½ HP through 3 HP.
- Heights from 52" to 96".
- Superior quality components.
- More filtration area than competition!



See FM2244. May not be exactly as illustrated.

### 5000-0007 Deluxe/Commercial Septic Tank Filter with Bypass Protection

Use the Deluxe/Commercial Septic Tank Filter in any application where water usage exceeds 1000 GPD. The Deluxe/Commercial Filter attaches easily to existing septic tank outlets. Deep pleated filter design offers more effective filtering and solids retention than other brands. And like the residential model, the Deluxe/Commercial Septic Tank Filter utilizes a patented bypass protection screen to ensure that no solids escape the system during cleaning. The Deluxe/Commercial Septic Tank Filter carries a lifetime warranty on materials and workmanship.

**FILTER AREA:** 528 Linear Feet of 1/16" filtration.

**MAX. FLOWRATE:** 4,000 GPD (filters can be manifolded together to give greater flow rate).

For 1/32" filtration, order P/N 5000-0010 sock to add to 5000-0007. See FM1552.

Covered by US  
Patent Numbers 6,136,190;  
6,331,247 and 6,495,040.



Certified to  
ANSI-NSF 46

**\*NOTE:** State and local plumbing codes may require a specific liquid penetration. For example, 25% - 45% into the liquid depth or 9" off the tank bottom.



### 170-0078 RESIDENTIAL SEPTIC TANK EFFLUENT FILTER WITH BYPASS PROTECTION

It's a fact of life: when any septic tank filter is removed for cleaning, some solids will fall off! If your filter is not a Zoeller filter, those solids will be flushed quickly away to become lodged in your lateral field. This is the very thing a septic tank filter is installed to prevent!

Every Zoeller residential septic tank effluent filter includes a patented bypass protection sleeve to keep solids in the tank - where they belong.

Your lateral field is an investment. Protect it with a Zoeller filter.

- All filters fit 4" Schedule 40 or DWV Tees.
- Improves the performance of your septic system.
- Controls surges.
- Prolongs lateral life.
- Allows homeowner to monitor condition of the tank.
- Easy to install or retrofit.
- Easy to maintain.
- Lifetime warranty on materials and workmanship.
- Filters can be manifolded together to increase flow rates.
- Use with Zoeller riser and lid.

**APPLICATION:** Single family homes.

**MAX. FLOW RATE:** 1000 GPD.

**FILTER AREA:** 132 linear feet of 1/16" filtration.

See FM1775

Covered by US  
Patent Nos. 6,136,190  
6,331,247 & 6,495,040.



Certified to  
ANSI-NSF 46

### 4000 & 6000 SERIES AUTOMATIC MULTIZONED VALVES

Reliable, economical way to automate multiple zones.

- Few moving parts.
- Highly reliable.
- Ideally suited for pump fed applications.
- 4000 Series - High strength noncorrosive ABS polymer construction.
- 6000 Series - Die cast metal & high strength noncorrosive ABS polymer construction.
- Available for 2 to 6 zone operation.
- Prefabricated assemblies w/ inlet & outlet piping available. See FM1732.

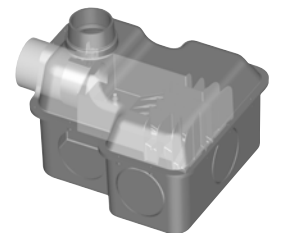


6000 Series Shown

### SPLITTER SYSTEM

### TRU FLOW

This innovative Splitter System will evenly split effluent into two to five 4" lines. It is made of two major parts: (1) the basin & cover and (2) the diverter. Solves the problems of distribution boxes settling. The Splitter System works with low flow as well as high flows. This unique design has no parts to wear out and is made of corrosion resistant material. The Splitter System is maintainable from the surface.



173-0001

- Tested from 1/10 GPM to 30 GPM flows.
- Bubble level built in for easy adjustments and maintenance.
- Splitter System is maintainable and adjustable from surface after installation.
- 4" riser easily attached to visually inspect and adjust the diverter.

Covered by US Patent  
Nos. 6,112,766  
and 6,152,650

See FM1730

# When it comes to protecting your good name . . . . .

## BULL RUN® VALVE 170-0022

The Bull Run® Valve is used to direct the flow of wastewater to separate lateral fields or systems. Due to the quality design, the valve offers long life and easy installation. The valve is available in 4" PVC for the inlet and outlets. The valve can be switched from one exit to the other in less than a minute. Simply turn the valve direction handle to the opposite exit. No digging or contact with the wastewater is necessary. Now, finally an economical way to allow one drain field to rest (extending the life of the total system) while using another. The Bull Run® Valve, a practical, well designed, economical, directional control valve.



## ORIFICE SHIELDS

Orifice Shields provide protection for the flow orifices in pressurized distribution systems. The shields keep surrounding media from blocking the holes and reducing system efficiency. Available in a solid cap for upward spray or a slotted cap for downward spray, the orifice shields easily snap onto a 3/4" - 2" PVC piping.

### Solid Caps - 3" and 4"

Pipe size: 3/4", 1", 1-1/4", 1-1/2" & 2".



### Slotted Caps - 3" and 4"

Pipe size: 3/4", 1", 1-1/4", 1-1/2" & 2".



## 5090-0001 ZOELLER EFFLUENT FILTER CONTAINER ASSEMBLY

Retrofitting existing septic systems with an effluent filter is easy with the Zoeller container assembly. Simply splice the container assembly into the outlet pipe leading away from the septic tank. The Zoeller Residential Septic Tank Effluent Filter (170-0078) fits neatly inside, protecting valuable drainfield components downstream. The container assembly comes complete with the container, adjustable riser, riser lid, lid screws, schedule 35 and schedule 40 pipe seals and sealant.



## SUMP/SEWAGE BASINS

### Duplex Basin

- 30" x 36" Polyethylene, fiberglass, and polyfoam.
- 36" x 36" Polyethylene or fiberglass.
- 48" x 48" Fiberglass.

### Simplex Basin

- 18" x 22" Polyethylene (sump pump basin).
- 18" x 30" Polyfoam, polyethylene or fiberglass.
- 24" x 30" Polyethylene or fiberglass.



- Available in high density polyethylene structural foam, polyethylene or fiberglass.
- Ideal for residential, commercial and industrial applications.
- Complete with necessary sealing hardware and flanges.\*
- Available with 2" or 3" vent or 2" or 3" discharge.
- Gasketed lid and 4" hubs; snap-in neoprene inlet hub, three bolt ABS inlet hub for 4" DWV piping, or cast iron caulk inlet hub with anticorrosion coating are available according to basin ordered.
- Center-line of hub is located 10 1/2" from top of basin allowing longer cycle.
- Durable steel gasketed cover standard on simplex and duplex basins.
- Other sizes available.
- Consult factory concerning basins which will pass the 10' stack test.

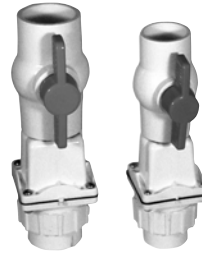
IAPMO certified polyethylene basins available upon request.

## Accessories and Controls . . .

### 1 1/2"-2" UNICHECK

- 30-0100 1 1/2" PVC CHECK VALVE / BALL VALVE / UNION COMBINATION
- 30-0101 2" PVC CHECK VALVE / BALL VALVE / UNION COMBINATION
- 30-0102 1 1/2" PVC CHECK VALVE / UNION COMBINATION
- 30-0103 2" PVC CHECK VALVE / UNION COMBINATION

### Tri-Check®



### The "Combo"



- Check valve features full flow design.
- Threaded union allows pump to be removed without disrupting discharge piping.
- Saves time and money easy to install.
- Neoprene gasket and flapper, weighted with stainless steel backing plates and stainless steel rivet.
- Can be installed on vertical or horizontal pipe.
- Meets plumbing codes requiring a ball valve installed in conjunction with a check valve.
- All stainless steel screws.
- Replaceable flapper in the check valve.
- Extra wide hinge to reduce stress.
- Rated for 25 psi (58 ft. of head).
- 6 Per carton (30-0100 & 30-0101).
- 9 Per carton (30-0102 & 30-0103).

### "FULL-FLOW" UNICHECK

#### 30-0181

1 1/2" or 1 1/4" slip x slip PVC construction.

#### 30-0151

2" slip x slip cast iron construction, with corrosion resistant powder coated epoxy finish.

#### 30-0200

1 1/2" or 1 1/4" slip x slip stainless steel fasteners and clamps.

#### 30-0021

2" slip x slip PVC construction.

#### UNICHECK FEATURES

- All stainless steel clamps and screws.
- Flexible neoprene slip x slip unions.
- Saves installation time.
- Checks back flow of water and sewer gas.
- Simple to install. No pipe threading required.
- Full flow design - no restrictions.
- Extra wide flapper hinge prevents hinge stress.
- Can be installed in vertical or horizontal line.
- Flexible unions slip over ABS, PVC, steel or copper pipe.
- Low pressure system (4.3 PSI - 10 ft. of head) use flexible neoprene unions.
- High pressure system (25 PSI - 57 ft. of head) use solvent welded pipe couplings with PVC valves.
- State of Wisconsin approved.



30-0181 available in individual packages for pegboard display.

... you can always depend on ours.

### UNICHECK "COMPRESSION"

- 30-0015 - PVC 1½" pipe size
  - 30-0020 - PVC 2" pipe size
  - 30-0030 - PVC 3" pipe size
  - 30-0204 - PVC 1½" pipe size
  - 30-0025 - PVC 2" pipe size
- Max Head 57'



30-0015 30-0204

#### Cast Iron, 3" & 4"

- Cast iron construction.
- Angled seal for non-slam closure.
- Rated at 200 PSIG.
- Designed for both horizontal and vertical usage.
- For use on 600 & X600 series pumps with 3" & 4" flanged discharges.



6030-0202 & 6030-0203

### "HIGH HEAD" UNICHECK

- 30-0163 - Cast Iron, 1½" female NPT
- 30-0164 - Cast Iron, 1½" female NPT
- 30-0152 - Cast Iron, 2" female NPT
- 30-0160 - Cast Iron, 3" female NPT
- 30-0183 - PVC, 1¼" x 1½"

Max. head 115'

- Full flow design.
- Ideal for sewage and effluent.
- Designed for horizontal or vertical installations.
- Rated at 50 PSI (115 feet of head) At 130°F.
- Corrosion resistant powder coated epoxy finish.
- Also available for High Temperature 200°F applications.



30-0152 Cast Iron  
2" Female NPT fittings  
(shown)

### RAIL SYSTEMS (1¼" - 4" DISCHARGE)

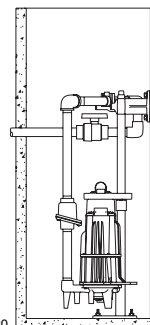
- Sewage, storm water and effluent pump systems.
- For concrete, steel, or fiberglass tanks.
- Allows for removal of pumps from ground level.
- No confined space entry to service pump.
- Guide rails direct the pump to and from the base elbow. Systems are supplied complete with base elbow, sealing plate, pump discharge elbow, and upper rail bracket.
- All systems use schedule 40 pipe rails (not included).



1¼" - 3" NPT Vertical  
Discharge Pump

### RAIL SYSTEMS & DISCONNECTS

Complete Systems for sewage effluent and grinder pumps, can be field installed or factory installed in fiberglass basins. Specify basin diameter, depth, and pump model to be used with the rail. Consult factory or refer to FM0787.



SK1620

#### Disconnects

Used for shallow systems where guide rails are not necessary. (Pull rod not included)

- 39-0001, 1½" NPT
- 39-0002, 2" NPT

#### Stainless Steel Pull Rods

- 39-0069, 1'
- 39-0006, 2½'
- 39-0007, 3½'
- 39-0008, 4½'
- 39-0009, 5½'

### TIME DOSING PANELS

Time Dosing Panels provide customers with a reliable means of controlling a single phase pump in the pump chamber or pump chamber and sand filter. (simplex, duplex or dual pump)

#### Features

- NEMA 4X enclosure
- Magnetic motor contactor
- HOA switch
- Alarm beacon & horn
- Lockable latch
- 24 month Warranty
- Programmable timer
- Pump circuit breaker
- Floats included

Tested to UL Standard UL 508  
& Certified to CSA Standard C22.2 No. 205



Products may not be exactly as pictured.

10-0699

Specify voltage, phase, and full load amps of pumps when ordering.  
See FM1559 & FM1560



### PLUG-IN SIMPLEX PUMP CONTROL BOX



10-1019

Tested to UL Standard UL 508  
& Certified to CSA Standard C22.2 No. 205

#### Features

- 115V Single Phase model 10-1019 or 230V model 10-1023.
- NEMA 4X enclosure with hinged cover.
- Receptacle for use with piggyback pump switch.
- Alarm Horn (83 to 85 decibel rating).
- Terminal strip
- Horn silence switch to turn alarm on or off.
- Alarm float only.



10-1019 PICTURED

### SIMPLEX CONTROL PANELS



Tested to UL Standard UL508



An electrical control panel is used on a simplex pump application where automatic electrical cycling of the pump is designed for added protection in residential and commercial applications. A control panel is required for all systems using a nonautomatic pump. The built-in alarm system, a standard feature, can be connected to sound when the water level becomes unusually high. All simplex panels feature a NEMA 4X enclosure, alarm horn, beacon, test buttons, HOA switch, pump run light, dry contacts, and 24 month warranty. Intrinsically safe control panels for pump applications defined as a hazardous duty location are available.

Specify voltage, phase, and full load amps of pumps when ordering.

### DUPLEX ALTERNATING CONTROL PANELS

An electrical alternator is used on a duplex pump application where automatic alternation of the pumps is desired for added protection in residential or commercial applications. With one pump operating to handle normal flow, a second pump becomes operational in the event the water level continues to rise. The built-in alarm system, a standard feature, will sound when the second pump becomes operational (3-float system) or will sound independently (4-float system). NEMA 1 & 4X Enclosures available. 24 month Warranty. Intrinsically safe control panels for pump applications defined as a hazardous duty location are available.



Tested to UL Standard UL508



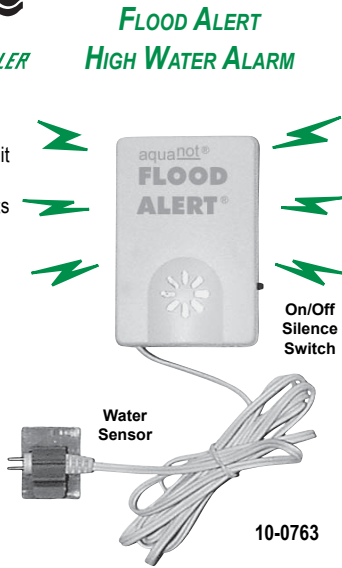
Specify voltage, phase, and full load amps of pumps when ordering.

When it comes to protecting your good name . . . . .

## Accessories and Controls, continued

### THE aquanot<sup>®</sup> Series by ZOELLER

- Operates on 3 AAA batteries.
- Low battery alarm designed into circuit board.
- Warns you when sensor contacts water.
- On/Off silence switch.
- Stainless steel sensor contacts.
- Easy to install, portable & safe!
- Compact design (3 1/4" x 2 1/4").
- Loud horn (low battery alarm).
- No adjustments needed.
- Solid state electronic components.
- 5 ft. of lead wire.
- 12 month limited warranty.
- AC power adapter capability. Requires Class 2 transformer, Input: 120 VAC/60 Hz. Output: 4.5 VDC/150 mA. (available at most electronic stores).



See FM1617

### "PREWIRED CONDUIT & J-BOX ASSEMBLIES"

Zoeller Pre-Wired Conduit assemblies simplify the electrical portion of any pump job. Instead of an electrical job taking a half a day to get power to the lift station, it now takes only minutes. Zoeller has engineered flexible, watertight conduit and junction box assemblies to assist in getting the job done quickly and efficiently. These assemblies take the guesswork out of getting power to the pumps. Systems are available with the correct number of wires of the correct gauge.

#### Features:

- Corrosion resistant.
- All UL Listed components.
- Pre-drilled and assembled J-box.
- Fast easy hook-up of electrical components.
- Watertight components.
- 25', 35', 50', 75', and 100' lengths available.
- Assemblies rated for pumps up to 15 amps in 115, 200/208 and 230 volts single phase and cord sizes less than 1/2" diameter. See FM2080.



### "J-BOXES"

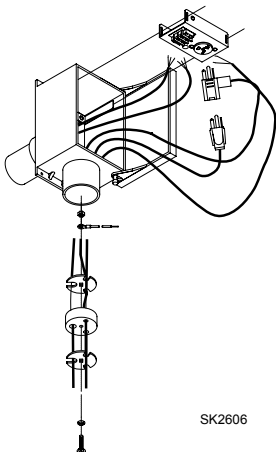
**PVC Plastic** box with removable cover for use in sewage, effluent, dewatering, or corrosive environments. Box is 4" X 4" X 2" deep. Box is field drilled for maximum flexibility in each installation.



10-0770

### "QWIK-Box"

- Used for outdoor plug in connection for pumps & alarm systems
- Sealed watertight enclosure- NEMA 4X
- 115V or 230V receptacle.
- Power line permanently sealed.
- Gas-tight rubber seals for switch and pump cords
- Indoor alarm (Optional)
- Used on septic tank risers.



See FM1420

### "SWITCH-MATE" PUMP FLOAT SWITCHES

#### SINGLE PIGGYBACK VARIABLE LEVEL FLOAT SWITCH

- See FM0477 for corresponding pump.
- Converts nonautomatic pump to automatic.
- Adjustable variable level (6" min. to 36" max.).
- 10', 15', & 20' cord with molded plug.
- Can be used on Simplex Controls.
- Temperature rating 140°F (60°C).
- 10-0055 - 115V, 1/2 HP, 13 max. Amps, 10'
- 10-0034 - 115V, 1/2 HP, 13 max. Amps, 15'
- 10-0035 - 230V, 1 HP, 13 max. Amps, 15'
- 10-0032 - 115V, 1 HP, 15 max. Amps, 15'
- 10-0033 - 230V, 2 HP, 15 max. Amps, 15'
- 10-0063 - 115V, 1/2 HP, 13 max. Amps, 20'
- 10-0706 - 230V, 1 HP, 13 max. Amps, 20'
- 10-0705 - 115V, 3/4 HP, 15 max. Amps, 20'
- 10-0559 - 230V, 2 HP, 15 max. Amps, 20'

#### DOUBLE PIGGYBACK VARIABLE LEVEL FLOAT SWITCH

- Converts nonautomatic pump to automatic.
- Adjustable pump range (1" min. to 48" max.).
- Standard 15' cord with molded plug.
- Can be used on Simplex Controls.
- Temperature rating 140°F (60°C).
- 10-0229 - 115V/max. 1 HP
- 10-0230 - 230V/max. 2 HP



"U.L. Listed. Refer to catalog and price sheet for corresponding pump.  
Note: HP rating refers to Zoeller pumps only.

Product may not be exactly as pictured.



Mercury products are not approved for sale in: CT, RI (1-1-06), ME (7-4-06), IL (7-1-07), CA (1-1-06). Please review latest IMERC notification for additional information.

... you can always depend on ours.

**"A-Pak" INDOOR ALARM PACKAGES**

**10-1494**

"A-Pak" Alarm System featuring auto reset solid state alarm, 9 volt battery back-up (battery not included), NEMA 1 non-corrosive enclosure for indoor use and manual shut off. Float operates on 12 VAC. Float switch with 15' cable included. 6 ft. power cord plugs into 115V outlet. Horn is rated at 86 decibels at 10'.



Tested to UL Standard UL 508 & Certified to CSA Standard C22.2 No. 205

**"A-Pak II" OUTDOOR ALARM SYSTEM**

- NEMA 4X thermoplastic alarm panel.
- Horn and light warn of high or low liquid levels.
- Auxiliary alarm contacts for remote circuit.
- Alarm systems operates even if pump circuit should fail.
- Entire unit (alarm panel & float switch) UL Listed for water & sewage and CSA certified.



**10-0126**



Tested to UL Standard UL 508 & Certified to CSA Standard C22.2 No. 205

**INDOOR/OUTDOOR ALARM**

- Indoor & Outdoor use per UL 864.
- UL Listed and CSA certified.
- Alarm system (horn & light) operates to warn of a high water condition.
- Horn is rated 82 decibels at 10 ft.
- Alarm test and horn silence switch with auto reset.
- Interior pump and float switch terminal block.
- 10-0682 with 6 ft. power cord.



**10-0623**



Tested to UL Standard UL 508 & Certified to CSA Standard C22.2 No. 205

**"A-Pak" INDOOR ALARM PACKAGES**

**10-0015/10-0016**

The alarm package features a six-inch double magnetic bell with either 115V/8V or 230V/8V transformer. The A-Pak is used with a duplex mechanical alternating system. When the A-Pak is utilized in a simplex system, 10-0225 variable level control switch is needed.



**10-0028**

(115V/1 Ph) "A-Pak" Residential alarm system features a 2 1/2" bell with 115V/8V, NEMA 1, transformer for mounting on standard utility box. Includes variable level control switch to activate alarm.



**VARIABLE LEVEL SENSOR FLOAT SWITCHES**

Used for: Duplex Pump Control - "E-Pak", High Level Alarm Switch- "A-Pak", Simplex Pump Control

- Float is constructed of durable PVC/polypropylene.
- 15', 25', 35', 50' 18/2 Type SJOW CPE Cord - standard.
- UL Listed\*
- Variable level float switch is normally open when hanging vertically above liquid level. Switch closes when it reaches a few degrees above the horizontal position.
- See FM0526 for more information.



Mercury products are not approved for sale in: CA, CT, ME, RI. Effective 1/1/07-VT; 7/1/07-IL; 1/1/08-NY; 5/1/09-MA similar restrictions will apply. Please review latest IMERC notification for additional information.

Product may not be exactly as pictured.

**SMART PAK PLUS RESIDENTIAL ALTERNATOR SYSTEM**

- Allows you to install two automatic pumps up to .5 HP, 115V, 12 amps, single phase and alternate their use.
- Provides for extended pump life.
- NEMA 1 enclosure for indoor use.
- Special design allows use in humid areas (i.e. basements).
- True alternation allows each pump to be used equally, not timed.
- Second pump will automatically operate if first pump should fail.
- Separate power cord and circuit for high water alarm.
- Built-in alarm automatically sounds if one of the pumps should fail and calls for the second pump to run during a pump failure.
- Alarm sounds and lights up when alarm switch is activated.
- Tells you if the power is on, which pump is operating and alarm status.
- Plug automatic pumps into appropriate receptacles on the alternator panel. Install the alarm float provided with the unit and plug in the Smart Pak Plus to a separate power supply. No special wiring required. Plug alarm cord into separate outlet on a different circuit.

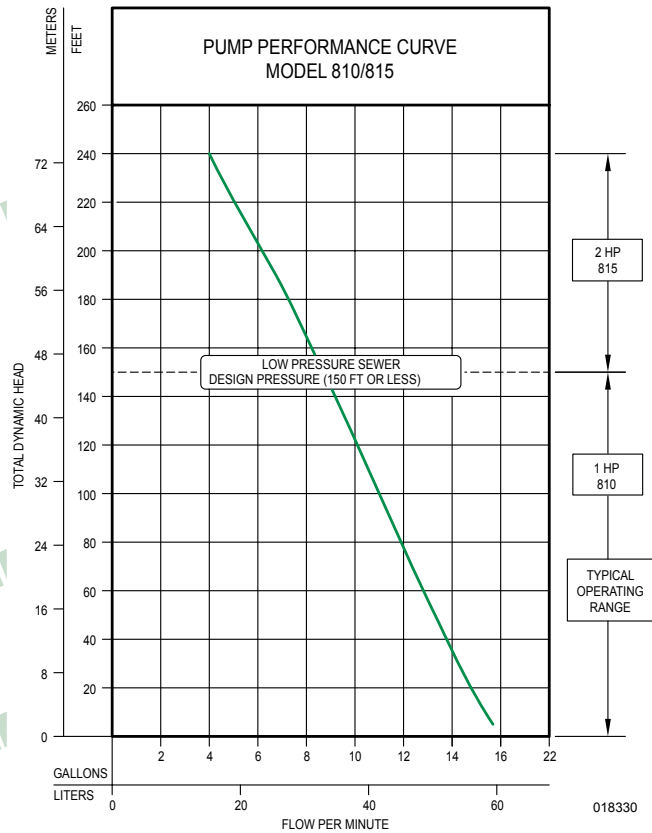
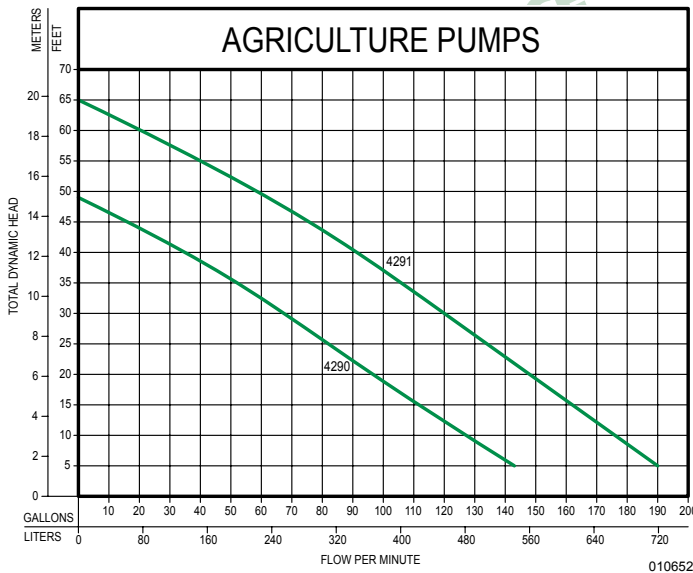
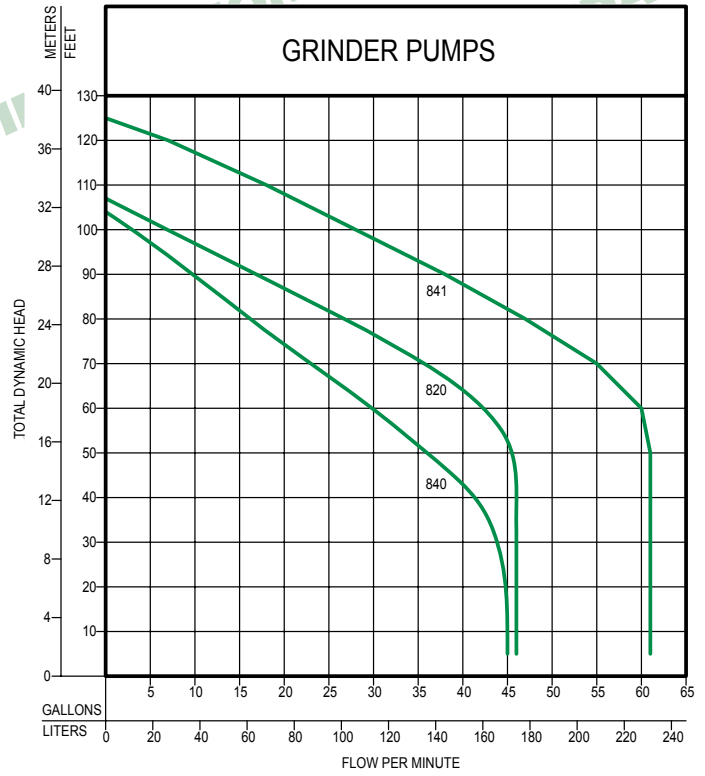
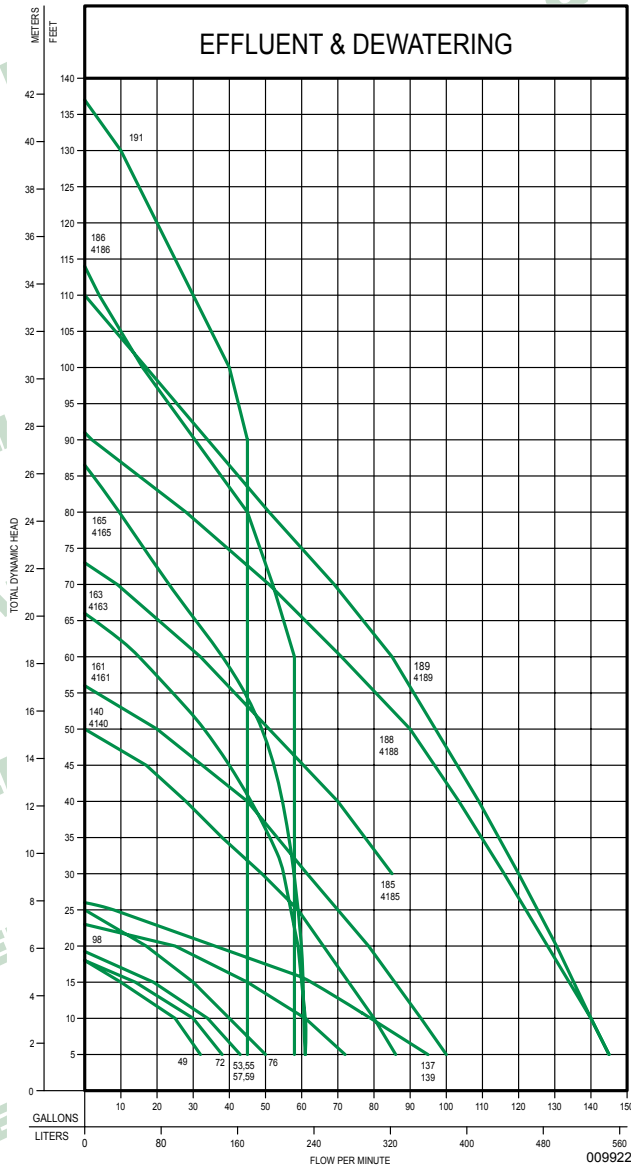


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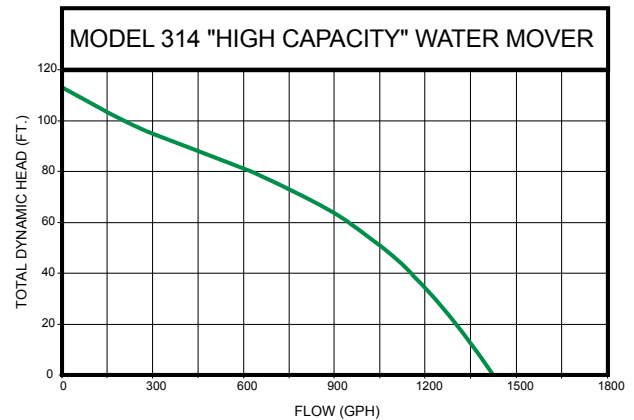
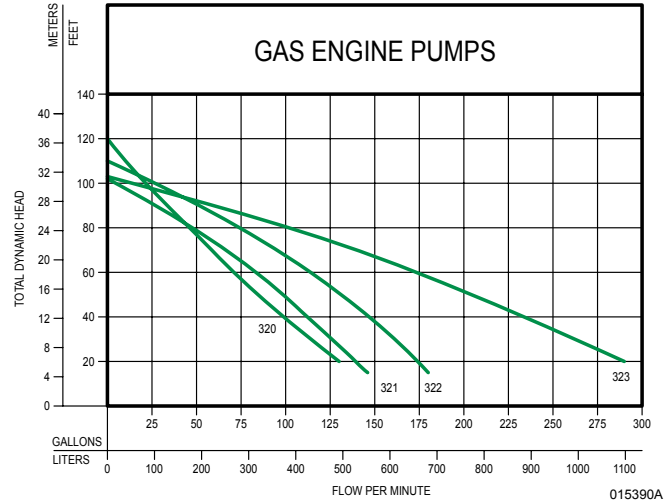
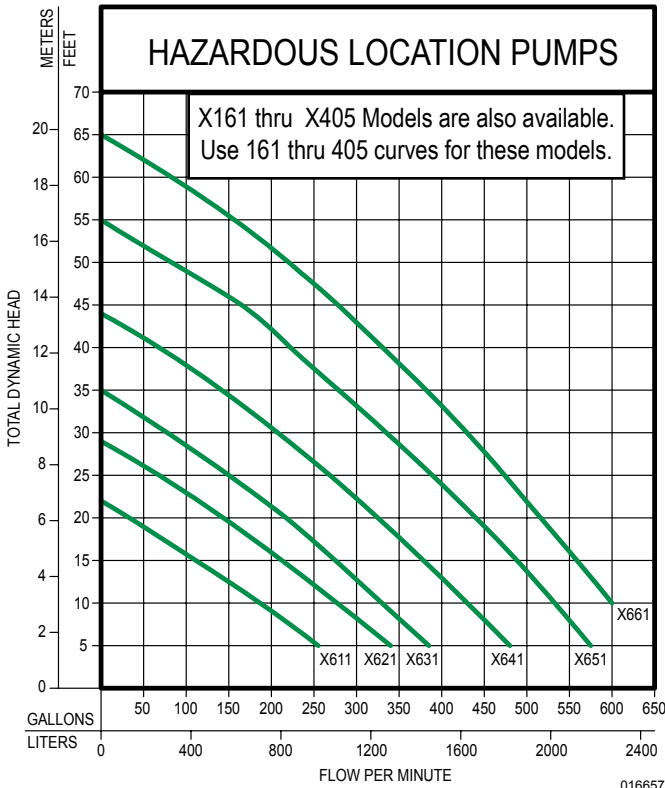
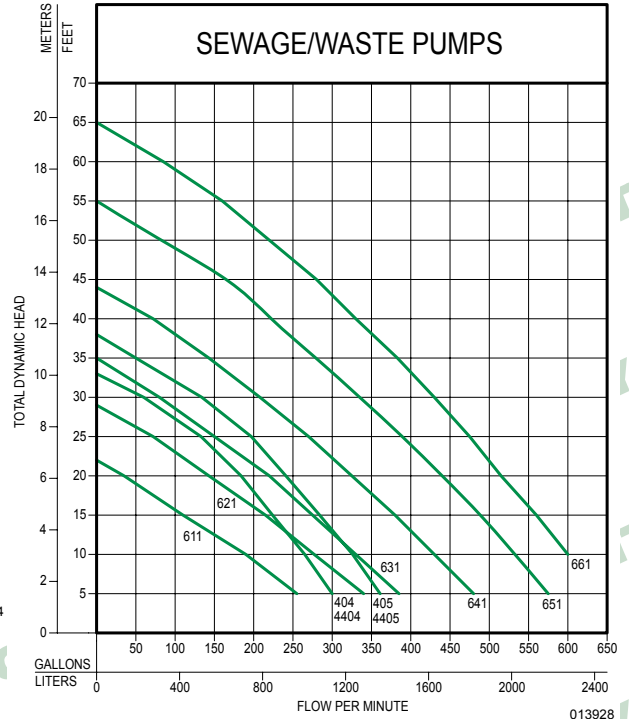
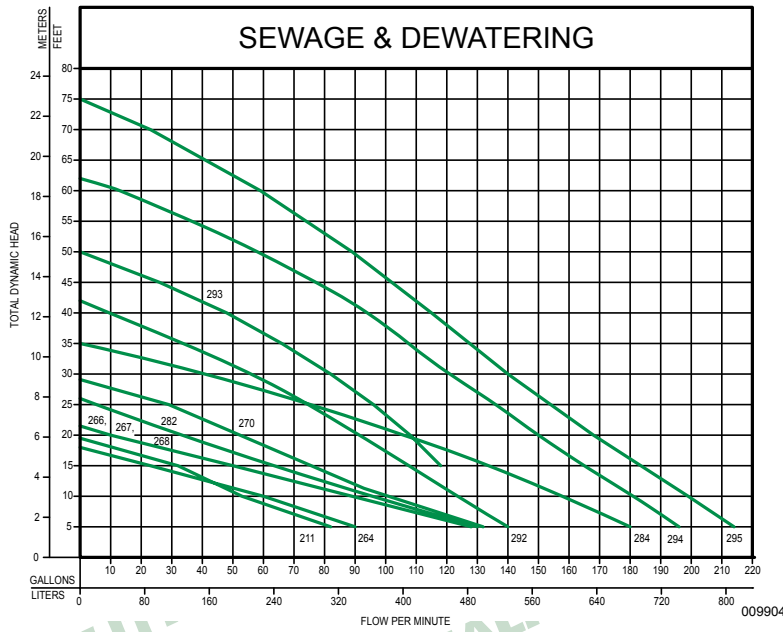


See FM1663

When it comes to protecting your good name . . . . .



... you can always depend on ours.



# The Qwik Jon® Ultima by Zoeller



**NEW  
FROM  
ZOELLER**

The manufacturer of the "Original" Qwik Jon® now brings you the Qwik Jon® Ultima. The Ultima contains a "mini-grinder" pump that enables you to install a bathroom almost anywhere!

Gravity flow is no problem with the Qwik Jon® Ultima. The unit can be installed free standing or built-in.

TOTAL DYNAMIC HEAD/FLOW PER MINUTE QWIK JON® ULTIMA MODEL 202/203			
FEET	METERS	GALLONS	LITERS
5	1.5	43	163
10	3.0	40	151
15	4.6	36	136
20	6.1	27	102
25	7.6	13	49
Shut-off Head - 30 ft. ( 9.1 meters)			

For more info on the Qwik Jon Ultima see FM2368.



## NOW YOU HAVE A CHOICE!

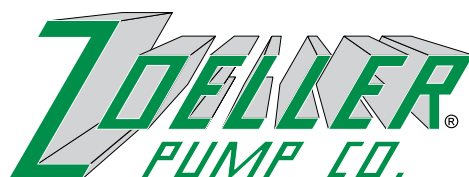
**Install a bath anywhere . . .  
without breaking concrete!**

Now you have solutions for the hassle, mess and expense of digging through concrete to install a bathroom. A self-contained wastewater/sewage removal system, Qwik Jon® can be easily and quickly installed virtually anywhere-on top of any floor. It also pumps in any direction, which means lack of gravity flow is no longer a problem. Qwik Jon® can be installed as is, or as the heart of an entire bathroom, including toilet, lavatory, shower and bathtub. Applications include basements, room additions, factories, warehouses, new construction and many other uses.

Models	100		101		102	
Ft. Meters	Gal.	Ltrs.	Gal.	Ltrs.	Gal.	Ltrs.
5 1.5	105	397	73	276	110	416
10 3.1	67	254	39	148	78	295
15 4.6	27	102	19	72	40	151
Shut-off Head	17.5'	(5.3m)	17.5'	(5.3m)	19.2'	(5.9m)



For more info on the Qwik Jon see FM0692.



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