Sump, Effluent and Wastewater Product Line
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**Submersible Sump Pumps**

**Applications**
Specifically designed for the following uses:
- Basement draining
- Water transfer
- Dewatering

**SC**

**Specifications**
- Also an effluent pump
- Maximum solids ½”

**SS**

**Specifications**
- Maximum solids: ⅜” spherical

<table>
<thead>
<tr>
<th>Submersible Sump Pumps</th>
<th>NPT Discharge</th>
<th>Solids Handling</th>
<th>Capacities</th>
<th>Maximum Head</th>
<th>Housing Material Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC</td>
<td>1 ½”</td>
<td>½”</td>
<td>70 GPM</td>
<td>37 feet TDH</td>
<td>Cast Iron</td>
</tr>
<tr>
<td>SS</td>
<td>1 ½”</td>
<td>⅜”</td>
<td>55 GPM</td>
<td>34 feet TDH</td>
<td>Stainless Steel</td>
</tr>
</tbody>
</table>
Submersible Sump Pumps

BBSP/2
BATTERY BACK-UP SUMP PUMP

Applications
Designed to provide emergency backup service for primary pump in the event of a power outage. Will also operate if main pump can’t keep up with inflow.

Specifications
• 12 volt pump
• Float switch
• 10 amp battery charger
• Check valve
• Pipe fittings
• Battery box
• Two sizes now available
• System requires minimum 105 amp deep cycle marine battery (not included).
Submersible Effluent Pumps

1EC

Applications
Specifically designed for the following uses:
• Mound Systems
• Effluent/Dosing Systems
• Low Pressure Pipe Systems
• Basement Draining
• Heavy Duty Sump/Dewatering

Specifications
• Automatic models include a float switch
• Manual models available

1ES

Applications
Specifically designed for the following uses:
• Effluent systems
• Water transfer
• Dewatering
• Heavy duty sump

<table>
<thead>
<tr>
<th>Submersible Effluent Pumps</th>
<th>NPT Discharge</th>
<th>Solids Handling</th>
<th>Capacities</th>
<th>Maximum Head</th>
<th>Housing Material Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>1EC</td>
<td>1 ½”</td>
<td>½”</td>
<td>70 GPM</td>
<td>37 feet TDH</td>
<td>Cast Iron</td>
</tr>
<tr>
<td>1ES</td>
<td>1 ½”</td>
<td>¾”</td>
<td>52 GPM</td>
<td>22 feet TDH</td>
<td>Stainless Steel</td>
</tr>
</tbody>
</table>
Submersible Effluent Pumps

1EP

Applications
Specifically designed for the following uses:
• Effluent systems • Homes • Farms • Heavy duty sump
• Water transfer • Dewatering

Specifications
• Mechanical seal: carbon-rotary/ceramic stationary, BUNA-N elastomers
• Fasteners: 300 series stainless steel
• Capable of running dry without damage to components

2EC

Applications
Specifically designed for the following uses:
• Homes • Schools • Farms • Hospitals
• Trailer courts • Industry • Motels
• Effluent systems

Specifications
• See Model Information for specific HP, voltage, phase and RPM’s available

<table>
<thead>
<tr>
<th>Submersible Effluent Pumps</th>
<th>NPT Discharge</th>
<th>Solids Handling</th>
<th>Capacities</th>
<th>Maximum Head</th>
<th>Housing Material Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>1EP</td>
<td>1 ½”</td>
<td>¾”</td>
<td>60 GPM</td>
<td>31 feet TDH</td>
<td>Plastic</td>
</tr>
<tr>
<td>2EC</td>
<td>2”</td>
<td>¾”</td>
<td>140 GPM</td>
<td>128 feet TDH</td>
<td>Cast Iron</td>
</tr>
</tbody>
</table>
Submersible Sewage (Vortex) Pumps

1WS/2WS  1WV/2WV

Applications
Non-clog submersible sewage pumps for simplex and duplex installations in small lift stations, drainage systems or raw water applications requiring solids handling capability of 1⅛” and 2” diameter made specifically for:
• Homes and farms • Municipal package systems
• Schools and hospitals • Dewatering applications
• Mobile home parks and motels • Industrial treatment systems

Specifications
• 1½” discharge on ½ HP
• 2” discharge on ¾ HP and larger
• Solid size: 1⅛” solids on ½ HP, 2” solids on ¾ HP and larger
• Maximum submergence to 17 feet for Vortex
• AISI 304 SS casing or impeller
• Continuous duty rated, non-overloading motor.

2WC  2VW

Applications
Specifically designed for the following uses:
• Homes • Sewage systems • Dewatering/Effluent • Water transfer

Specifications
• See Model Information for specific HP, voltage, phase and RPM’s available.

<table>
<thead>
<tr>
<th>Submersible Sewage Pumps</th>
<th>NPT Discharge</th>
<th>Solids Handling</th>
<th>Capacities</th>
<th>Maximum Head</th>
<th>Housing Material Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>1WS/2WS</td>
<td>1 ½” and 2”</td>
<td>1 ⅛” and 2”</td>
<td>130 GPM</td>
<td>47 feet TDH</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>1WV/2WV</td>
<td>1 ½” and 2”</td>
<td>1 ⅛” and 2”</td>
<td>175 GPM</td>
<td>39 feet TDH</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>2WC</td>
<td>2”</td>
<td>2”</td>
<td>130 GPM</td>
<td>27 feet TDH</td>
<td>Cast Iron</td>
</tr>
<tr>
<td>2VW</td>
<td>2”</td>
<td>2”</td>
<td>100 GPM</td>
<td>22 feet TDH</td>
<td>Cast Iron</td>
</tr>
</tbody>
</table>
Submersible Sewage Pumps

2WT/2WF

Applications
Specifically designed for the following uses:
- Homes
- Sewage systems
- Dewatering/Effluent
- Water transfer
- Light industrial
- Commercial applications

Specifications
- Cast iron, semi-open impeller
- Silicon carbide vs silicon carbide mechanical seal
- Stainless steel corrosion resistant shaft

2WF – H

Specifications
- Cast iron, semi-open impeller
- Silicon carbide vs silicon carbide mechanical seal
- Stainless steel corrosion resistant shaft
- Threaded companion flange as standard. 3” option available but must be ordered separately. (Order no. A1-3)
- See Model Information for specific HP, voltage, phase and RPM’s available

<table>
<thead>
<tr>
<th>Submersible Sewage Pumps</th>
<th>Discharge</th>
<th>Solids Handling</th>
<th>Capacities</th>
<th>Maximum Head</th>
<th>Housing Material Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>2WT</td>
<td>2” NPT</td>
<td>2”</td>
<td>183 GPM</td>
<td>38 feet TDH</td>
<td>Cast Iron</td>
</tr>
<tr>
<td>2WF</td>
<td>2” Flanged</td>
<td>2”</td>
<td>183 GPM</td>
<td>38 feet TDH</td>
<td>Cast Iron</td>
</tr>
<tr>
<td>2WF_H</td>
<td>2” Flanged</td>
<td>2”</td>
<td>220 GPM</td>
<td>81 feet TDH</td>
<td>Cast Iron</td>
</tr>
</tbody>
</table>
Submersible Sewage (Vortex) Pumps

2WP

Applications
Specifically designed for the following uses:
• Residential sewage systems
• Dewatering
• Water transfer

Specifications
Pump:
• Mechanical seal: carbon-rotary/ceramic-stationary, BUNA-N elastomers
• Fasteners: 300 series stainless steel

Motor:
• Single phase: ½ HP, 115 V or 230 V, 60Hz, 1550 RM, built in overload with automatic rest.
• Power cord: 10 foot standard length, 16/3 SJTW with molded NEMA three prong grounding plug. Optional 20 foot length.
• Fully submerged in high grade turbine oil for lubrication and efficient heat transfer

<table>
<thead>
<tr>
<th>Submersible Sewage Pumps</th>
<th>NPT Discharge</th>
<th>Solids Handling</th>
<th>Capacities</th>
<th>Maximum Head</th>
<th>Housing Material Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>2WP</td>
<td>2”</td>
<td>2”</td>
<td>75 GPM</td>
<td>18 feet TDH</td>
<td>Plastic</td>
</tr>
</tbody>
</table>
Submersible Sewage Pumps

3WDA/4WDA

3WDA
3” Flanged Discharge, 2” Solids Handlings

4WDA
4” Flanged Discharge, 3” Solids Handlings

Applications
Used in a variety of residential, commercial and industrial applications such as:
• Sewage systems
• Farms
• Hospitals
• Dewatering/Effluent
• Motels
• Trailer courts
• Flood and pollution control

Specifications

Pump:
• 300 Series stainless steel fasteners
• 20’ Power cord
• Standard silicon carbide/silicon carbide outer (lower) seals

Motor:
• Maximum ambient temperature: 104°F (40°C) continuous duty, 140°F (60°C) intermittent duty.
• Rated for continuous duty when fully submerged.
• Insulation: Class B
• RPM: 1750; 60 Hz
• Single row ball bearings
• 300 Series stainless steel keyed shaft

Single Phase:
• 1.5 – 5 HP; 208 and 230 volts
• Built-in capacitors
• On-winding, built-in thermal overloads

Three Phase:
• 1.5 – 5 HP; 200, 230, 460 and 575 volts
• Overload protection must be provided in control panel

Pump/Motor Options:
• Silicon bronze impeller
• Tungsten carbide outer seals
• Longer power cords: 30’, 50’ and 100’

<table>
<thead>
<tr>
<th>Submersible Sewage Pumps</th>
<th>Maximum Solid Size</th>
<th>Discharge Size</th>
<th>Maximum Capacity</th>
<th>Maximum Total Head</th>
</tr>
</thead>
<tbody>
<tr>
<td>3WDA</td>
<td>2.5”</td>
<td>3”</td>
<td>470 GPM</td>
<td>65 feet</td>
</tr>
<tr>
<td>4WDA</td>
<td>3”</td>
<td>4”</td>
<td>620 GPM</td>
<td>60 feet</td>
</tr>
</tbody>
</table>
Submersible Grinder Pump

12GS

1¼” NPT Discharge

Applications
Designed for high head residential sewage applications where a gravity system is not practical. Ideal for pressure sewage systems.

Specifications
• Capacities: to 41 GPM
• Total heads: to 95’ TDH
• Discharge: 1¾” NPT
• Fasteners: 300 series stainless steel
• Single mechanical seal: Silicon carbide rotary/silicon carbide stationary, 300 series stainless steel metal parts, BUNA-N elastomers.
• Rotating cutter and cutter ring: 440 C hardened stainless steel

Motor:
• Single phase: 2 HP, 60 Hz, 3450 RPM, 208/230V, capacitor start with on winding thermal protector.
• No external capacitor kits required.
• Class F insulation
• Shaft: 300 series stainless steel threaded design
• Bearings: ball bearings upper and lower
• Power cord: 20 feet standard 14/3 STOW with bare leads. Optional lengths available.
Submersible Dewatering Pumps

1DS

Applications
Specifically designed for the following uses:
• Handling dirty waters
• Excavating in the building trades
• Water transfer
• Industrial water drainage or transfer

2DS

Applications
Specifically designed to remove water from:
• Drainage ditches
• Trenches
• Basements
• Manholes
• Excavating drainage in the building trades

<table>
<thead>
<tr>
<th>Submersible Dewatering Pumps</th>
<th>HP</th>
<th>Volts</th>
<th>Phase</th>
<th>Max. Amp</th>
<th>RPM</th>
<th>H (in.)</th>
<th>Wt. (lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2DS0511</td>
<td>½</td>
<td>115</td>
<td>1</td>
<td>5.5</td>
<td>3500</td>
<td>15.75</td>
<td>20</td>
</tr>
<tr>
<td>2DS0512</td>
<td>230</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2DS1011</td>
<td>1</td>
<td>115</td>
<td>1</td>
<td>9.8</td>
<td>3500</td>
<td>17</td>
<td>25</td>
</tr>
<tr>
<td>2DS1012</td>
<td>230</td>
<td></td>
<td></td>
<td>4.9</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Submersible Dewatering Pumps

1SF/1SH

Applications
Submersible water pumps designed for pumping out of reservoirs and storage tanks:
- Homes and farms
- Mobile home parks and motels
- Schools and hospitals
- Municipal applications
- Industrial applications
- Commercial applications

<table>
<thead>
<tr>
<th>Series</th>
<th>HP</th>
<th>Phase</th>
<th>&quot;L&quot; Dimensions in inches</th>
<th>Discharge Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1SF/1SH</td>
<td>1/2</td>
<td>1,3</td>
<td>19 1/4</td>
<td>1 1/4</td>
</tr>
<tr>
<td>1SF/1SH</td>
<td>1/2</td>
<td>1,3</td>
<td>20 1/4</td>
<td>1 1/4</td>
</tr>
<tr>
<td>1SF/1SH</td>
<td>1</td>
<td>1,3</td>
<td>21 1/4</td>
<td>1 1/4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Submersible Dewatering Pumps</th>
<th>NPT Discharge</th>
<th>Solids Handling</th>
<th>Housing Material Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>1DS</td>
<td>1 1/8&quot;</td>
<td>3/8&quot;</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>2DS</td>
<td>2&quot;</td>
<td>3/8&quot;</td>
<td>Cast Iron</td>
</tr>
<tr>
<td>1SF/1SH</td>
<td>1 1/4&quot;</td>
<td>1/8&quot;</td>
<td>Stainless Steel</td>
</tr>
</tbody>
</table>
MSDS

SINK DRAIN SYSTEM
1½” NPT Discharge

Applications
Specially designed for the following uses:
- Laundry tray
- Wet bar sink
- Air conditioning or dehumidifier condensate
- Residential dishwashers
- Beautician sink

Specifications
Completely assembled and ready to pipe with SC03 pump.

MWP

PACKAGED SEWAGE SYSTEMS

Applications
- For home, rural water districts, parks and dewatering.
- Wastewater.
- Sewage lift station.
- Anywhere waste or drainage must be disposed of quickly, quietly and efficiently.

Specifications
Completely assembled and ready to pipe with pump 2WC51.

CentriPro® Accessories

- Panels
- Float Switches
- Basins / Covers
- Pump Removal System
- Fittings
- Packaged Basin Kits
Service and support from the most trusted name in the industry – Bell & Gossett.

The Bell & Gossett name has always stood for uncompromising quality and dependability. That’s evident in the way every one of our centrifugal pumps is built and backed by our outstanding customer service and support team.

Your local Bell & Gossett representative is available any time and is an experienced professional with a wealth of technical expertise. In addition to expert system and product application assistance and a wide product inventory warehoused locally, we offer ESP-Systemwize software selection program.

ESP-Systemwize is a Bell & Gossett web-based software that helps you design HVAC systems accurately, effectively and very quickly. You get fast, precise equipment selection, pump performance curves and equipment schedules, submittals, specifications and more.

ESP-Systemwize includes:

- Centrifugal Pumps
- Air/Dirt Separators
- Heat Exchangers
- Pump Suction Diffuser and Triple Duty Valve
- Expansion Tanks
- PIC Valves

Available online at ecom.bellgossett.com.

For superior Customer Service, please contact the 800 Hotline for technical assistance 866-673-0427. Applications Engineers will be awaiting your calls.
1) The tissue in plants that brings water upward from the roots;
2) a leading global water technology company.

We’re a global team unified in a common purpose: creating advanced technology solutions to the world’s water challenges. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. Our products and services move, treat, analyze, monitor and return water to the environment, in public utility, industrial, residential and commercial building services, and agricultural settings. With its October 2016 acquisition of Sensus, Xylem added smart metering, network technologies and advanced data analytics for water, gas and electric utilities to its portfolio of solutions. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise with a strong focus on developing comprehensive, sustainable solutions.

For more information on how Xylem can help you, go to www.xyleminc.com

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