6GSZ, 8GSZ, 11GSZ, 16GSZ
1.35 - 3.5 M³/H, .37 - 4 KW, 50 HZ SUBMERSIBLE PUMPS
FEATURES

Powered for Continuous Operation: All ratings are within the working limits of the motor as recommended by the motor manufacturer. Pump can be operated continuously without damage to the motor.

Field Serviceable: Units have left hand threads and are field serviceable with common tools and readily available repair parts.

Sand Handling Design: Our face clearance, floating impeller stack has proven itself for over 50 years as a superior sand handling, durable pump design.

FDA Compliant Non-Metallic Parts: Impellers, diffusers and bearing spiders are constructed of glass filled engineered composites. They are corrosion resistant and non-toxic.

MATERIALS OF CONSTRUCTION

<table>
<thead>
<tr>
<th>Part Name</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Discharge Head</td>
<td>AISI 303 SS</td>
</tr>
<tr>
<td>Check Valve Poppet</td>
<td>AISI 304 SS</td>
</tr>
<tr>
<td>Check Valve Seal</td>
<td>BUNA, FDA compliant</td>
</tr>
<tr>
<td>Check Valve Seat</td>
<td>AISI 304 SS</td>
</tr>
<tr>
<td>Check Valve Retaining Ring</td>
<td>AISI 302 SS</td>
</tr>
<tr>
<td>Bearing Spider - Upper</td>
<td>Glass Filled Engineered Composite GFN2</td>
</tr>
<tr>
<td>Bearing</td>
<td>Proprietary Engineered Polymer</td>
</tr>
<tr>
<td>Klipring</td>
<td>AISI 301 SS</td>
</tr>
<tr>
<td>Diffuser</td>
<td>Glass Filled Engineered Composite</td>
</tr>
<tr>
<td>Impeller</td>
<td>Glass Filled Engineered Composite</td>
</tr>
<tr>
<td>Bowl</td>
<td>AISI 304 SS</td>
</tr>
<tr>
<td>Intermediate Sleeve ¹</td>
<td>AISI 304 SS, Powder Metal</td>
</tr>
<tr>
<td>Intermediate Shaft Coupling ²</td>
<td>AISI 304 SS, Powder Metal</td>
</tr>
<tr>
<td>Intermediate Bearing Spider ¹</td>
<td>Glass Filled Engineered Composite</td>
</tr>
<tr>
<td>Intermediate Bearing Spider ²</td>
<td>AISI 303 SS</td>
</tr>
<tr>
<td>Shim</td>
<td>AISI 304 SS</td>
</tr>
<tr>
<td>Spacer</td>
<td>AISI 304 SS, Powder Metal</td>
</tr>
<tr>
<td>Screws - Cable Guard</td>
<td>AISI 304 SS</td>
</tr>
<tr>
<td>Motor Adapter</td>
<td>AISI 303 SS</td>
</tr>
<tr>
<td>Casing</td>
<td>AISI 304 SS</td>
</tr>
<tr>
<td>Shaft</td>
<td>AISI 304 SS, Powder Metal</td>
</tr>
<tr>
<td>Coupling</td>
<td>AISI 304 SS</td>
</tr>
<tr>
<td>Cable Guard</td>
<td>AISI 304 SS</td>
</tr>
</tbody>
</table>

¹ Used on pumps with 27 to 32 stages.
² Used on pumps with more than 33 stages.

Discharge Head/Check Valve: Cast 303 stainless steel for strength and durability. Two cast-in safety line loops for installer convenience. The built-in check valve is constructed of stainless steel and FDA compliant BUNA rubber for abrasion resistance and quiet operation.

Motor Adapter: Cast 303 stainless steel for rigid, accurate alignment of pump and motor. Easy access to motor mounting nuts using standard open end wrench.

Stainless Steel Casing: Polished stainless steel is strong and corrosion resistant.

Hex Shaft Design: Six sided shafts for positive impeller drive.

Engineered Polymer Bearings: The proprietary, engineered polymer bearing material is strong and resistant to abrasion and wear. The enclosed upper bearing is mounted in a durable Glass filled engineered composite bearing spider for excellent abrasion resistance.
# Residential Water Systems

**WATER END DATA**

<table>
<thead>
<tr>
<th>Model</th>
<th>KW Range</th>
<th>Rec. Flow Range m³/hr.</th>
<th>Best Eff. m³/hr.</th>
<th>1½” Discharge Std.</th>
<th>Min. Well Dia.</th>
<th>Rotation ②</th>
</tr>
</thead>
<tbody>
<tr>
<td>6GSZ</td>
<td>.37 – 1.5</td>
<td>.30 – 2.0</td>
<td>1.35</td>
<td>NPT</td>
<td>BSPP</td>
<td>4” CCW</td>
</tr>
<tr>
<td>8GSZ</td>
<td>.37 – 1.1</td>
<td>.50 – 2.7</td>
<td>1.8</td>
<td>NPT</td>
<td>BSPP</td>
<td>4” CCW</td>
</tr>
<tr>
<td>11GSZ</td>
<td>.37 – 2.2</td>
<td>.75 – 4.0</td>
<td>2.5</td>
<td>NPT</td>
<td>BSPP</td>
<td>4” CCW</td>
</tr>
<tr>
<td>16GSZ</td>
<td>.55 – 4.0</td>
<td>1.0 – 5.8</td>
<td>3.5</td>
<td>NPT</td>
<td>BSPP</td>
<td>4” CCW</td>
</tr>
</tbody>
</table>

① To order with a 2” BSPP thread add a “M” suffix to order no.
② Rotation is counterclockwise when observed from pump discharge end.

**NOMENCLATURE**

GPM at Best Efficiency
GSZ Pump Series

<table>
<thead>
<tr>
<th>Horsepower Code, HP, KW</th>
<th>05 = ½ – .37</th>
<th>07 = ¾ – .55</th>
<th>10 = 1 – .75</th>
<th>15 = 1½ – 1.1</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 GSZ 05 (M)</td>
<td>6 GSZ 05 R (M)</td>
<td>6 GSZ 07 (M)</td>
<td>11 GSZ 07 (M)</td>
<td>11 GSZ 10 (M)</td>
</tr>
<tr>
<td>8 GSZ 05 (M)</td>
<td>8 GSZ 05 R (M)</td>
<td>8 GSZ 07 (M)</td>
<td>11 GSZ 07 (M)</td>
<td>11 GSZ 10 (M)</td>
</tr>
<tr>
<td>11 GSZ 05 (M)</td>
<td>11 GSZ 07 (M)</td>
<td>11 GSZ 10 (M)</td>
<td>11 GSZ 15 (M)</td>
<td>11 GSZ 20 (M)</td>
</tr>
<tr>
<td>16 GSZ 07 (M)</td>
<td>16 GSZ 10 (M)</td>
<td>16 GSZ 15 (M)</td>
<td>16 GSZ 20 (M)</td>
<td>16 GSZ 20 (M)</td>
</tr>
<tr>
<td>16 GSZ 15 (M)</td>
<td>16 GSZ 20 (M)</td>
<td>16 GSZ 20 (M)</td>
<td>16 GSZ 30 (M)</td>
<td>16 GSZ 30 (M)</td>
</tr>
<tr>
<td>16 GSZ 30 (M)</td>
<td>16 GSZ 40 (M)</td>
<td>16 GSZ 40 (M)</td>
<td>16 GSZ 55 (M)</td>
<td>16 GSZ 55 (M)</td>
</tr>
</tbody>
</table>

Consult your motor supplier for current motor data.
### MODEL 6GSZ

**FEET** | **METERS**
--- | ---
250 | 76.2
200 | 60.96
150 | 45.72
100 | 30.48
50 | 15.24
0 | 0

**TOTAL DYNAMIC HEAD**

**CAPACITY**

**U.S. GPM**

<table>
<thead>
<tr>
<th>0</th>
<th>2</th>
<th>4</th>
<th>6</th>
<th>8</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>10</td>
<td>20</td>
<td>30</td>
<td>40</td>
<td>50</td>
</tr>
</tbody>
</table>

**RECOMMENDED RANGE**

- 6GSZ20 - 31 Stages
- 6GSZ15 - 24 Stages
- 6GSZ10 - 17 Stages
- 6GSZ07 - 13 Stages
- 6GSZ05 - 9 Stages
- 6GSZ05R - 6 Stages

**MODEL: 6GSZ**

- SIZE: COMPOSITE
- RPM: 2900

**CAPACITY**

- 0.30 – 2.0 m³/hr

**TOTAL DYNAMIC HEAD**

- 0 – 2.5 m³/hr
### Model 8GSZ

#### Technical Specifications
- **Model:** 8GSZ
- **Size:** Composite
- **RPM:** 2900

#### Performance Range
- **Capacity:**
  - U.S. GPM
  - m³/hr
- **Total Dynamic Head:**
  - Feet
  - Meters

#### Recommended Range
- 0.50 – 2.7 m³/hr

#### Graphical Representation
- **Graph:**
  - X-axis: Capacity (U.S. GPM)
  - Y-axis: Total Dynamic Head (Feet and Meters)
  - Model: 8GSZ
  - Size: Composite
  - RPM: 2900
  - Stages:
    - 8GSZ15 – 20 Stages
    - 8GSZ10 – 14 Stages
    - 8GSZ07 – 10 Stages
    - 8GSZ05 – 7 Stages
    - 8GSZ05R – 5 Stages

#### Additional Information
- **RECOMMENDED RANGE:**
  - 0.50 – 2.7 m³/hr

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PAGE 5
MODEL 11GSZ

Residential Water Systems

Goulds Water Technology

MODEL 11GSZ

RECOMMENDED RANGE
.75 - 4.0 m³/hr

TOTAL DYNAMIC HEAD

0 1 2 3 4 5
m³/hr

U.S. GPM

0 4 8 12 16 20

CAPACITY

0 200 400 500
250 1284

U.S. GPM

METERS

20

Feet

1200

300 400 500

100 150

700 800

11GSZ30
32 Stages

11GSZ20
21 Stages

11GSZ15
16 Stages

11GSZ10
11 Stages

11GSZ07
8 Stages

11GSZ05
5 Stages

MODEL: 11GSZ
SIZE: COMPOSITE
RPM: 2900

RECOMMENDED RANGE
.75 - 4.0 m³/hr
MODEL 16GSZ

Recommends Range
1.0 - 5.8 m³/hr

Model: 16GSZ
Size: Composite
RPM: 2900

TOTAL DYNAMIC HEAD

FEET METERS

16GSZ55 - 48 Stages
16GSZ40 - 35 Stages
16GSZ30 - 27 Stages
16GSZ20 - 19 Stages
16GSZ15 - 14 Stages
16GSZ10 - 9 Stages
16GSZ07 - 7 Stages

RECOMMENDED RANGE
1.0 - 5.8 m³/hr
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 settings. Xylem also provides a leading portfolio of smart metering, network technologies and advanced analytics solutions for water, electric and gas utilities. 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