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.

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 Noryl® bearing spider for excellent abrasion resistance.

28GSZ, 36GSZ, 45GSZ, 50GSZ, 65GSZ
28-65 GPM, 1 – 10 HP, 50 HZ, SUBMERSIBLE PUMPS
WATER END DATA

<table>
<thead>
<tr>
<th>Model</th>
<th>HP Range</th>
<th>Rec. Flow Range m³/hr.</th>
<th>Best Eff. m³/hr.</th>
<th>2” Discharge Std.</th>
<th>Opt.°</th>
<th>Min. Well Dia.</th>
<th>Rotation °</th>
</tr>
</thead>
<tbody>
<tr>
<td>28GSZ</td>
<td>1 - 4</td>
<td>3 - 9</td>
<td>7</td>
<td>NPT BSPP</td>
<td>4”</td>
<td>CCW</td>
<td></td>
</tr>
<tr>
<td>36GSZ</td>
<td>1 - 7.5</td>
<td>4 - 11</td>
<td>8</td>
<td>NPT BSPP</td>
<td>4”</td>
<td>CCW</td>
<td></td>
</tr>
<tr>
<td>45GSZ</td>
<td>2 - 10</td>
<td>5 - 13</td>
<td>10</td>
<td>NPT BSPP</td>
<td>4”</td>
<td>CCW</td>
<td></td>
</tr>
<tr>
<td>50GSZ</td>
<td>2 - 7.5</td>
<td>6 - 15</td>
<td>12</td>
<td>NPT BSPP</td>
<td>4”</td>
<td>CCW</td>
<td></td>
</tr>
<tr>
<td>65GSZ</td>
<td>3 - 7.5</td>
<td>8 - 21</td>
<td>16</td>
<td>NPT BSPP</td>
<td>4”</td>
<td>CCW</td>
<td></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.

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>Proprietary Engineered Polymer</td>
</tr>
<tr>
<td>Bearing</td>
<td>Proprietary Engineered Polymer</td>
</tr>
<tr>
<td>Diffuser</td>
<td>Lexan®</td>
</tr>
<tr>
<td>Impeller</td>
<td>Noryl®</td>
</tr>
<tr>
<td>Bowl</td>
<td>AISI 301 SS</td>
</tr>
<tr>
<td>Intermediate Sleeve</td>
<td>AISI 304 SS, Powder Metal</td>
</tr>
<tr>
<td>Intermediate Shaft Coupling</td>
<td>AISI 304 SS, Powder Metal</td>
</tr>
<tr>
<td>Intermediate Bearing Spider</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>17-4 PH Stainless Steel</td>
</tr>
<tr>
<td>Coupling</td>
<td>AISI 304 SS, Powder Metal</td>
</tr>
<tr>
<td>Cable Guard</td>
<td>AISI 304 SS</td>
</tr>
<tr>
<td>Upthrust Plate</td>
<td>AISI 304 SS, Powder Metal</td>
</tr>
</tbody>
</table>

① Used on 36 and 50 GSZ pumps with total shaft length between 610 and 1,245 millimeters. ② Used on pumps that have a shaft length of 1,245 millimeters or greater.

Consult your motor supplier for current motor data.
Residential Water Systems

Goulds Water Technology

Horsepower Code – HP, KW

10 = 1 – .75
15 = 1 1/2 – 1.1
20 = 2 – 1.5
30 = 3 – 2.2

GPM at Best Efficiency

36  GSZ  10  M

GSZ Pump Series

GPM at Best – 28, 36, 45, 50, 65

Efficiency

NOMENCLATURE

MODEL 28GSZ

MODEL 28GSZ
SIZE: COMPOSITE
RPM: 2875

RECOMMENDED RANGE
3 - 9 m³/hr

MODEL 28GSZ
SIZE: COMPOSITE
RPM: 2875

RECOMMENDED RANGE
3 - 9 m³/hr
MODEL 36GSZ

**MODEL:** 36GSZ

**SIZE:** COMPOSITE

**RPM:** 2875

**RECOMMENDED RANGE**

- 4 – 11 m³/hr

**CAPACITY**

- 0 to 60 US GPM

**TOTAL DYNAMIC HEAD**

- 0 to 700 meters

- 0 to 225 feet

**MODEL 36GSZ75 - 32 Stages**

**MODEL 36GSZ55 - 23 Stages**

**MODEL 36GSZ40 - 17 Stages**

**MODEL 36GSZ30 - 13 Stages**

**MODEL 36GSZ20 - 8 Stages**

**MODEL 36GSZ15 - 6 Stages**

**MODEL 36GSZ10 - 4 Stages**

**MODEL:** 36GSZ

**SIZE:** COMPOSITE

**RPM:** 2875

**RECOMMENDED RANGE**

- 4 – 11 m³/hr
MODEL 45GSZ

- **MODEL**: 45GSZ
- **SIZE**: COMPOSITE
- **RPM**: 2875

**RECOMMENDED RANGE**
- **5 - 13 m³/hr**

**Diagram Details**
- **Capacity** vs. **Total Dynamic Head** (in feet and meters)
- **Capacity** range: 0 to 70 US GPM
- **Total Dynamic Head** range: 0 to 1100 feet or 325 meters

**Models**
- 45GSZ100 - 44 Stages
- 45GSZ75 - 33 Stages
- 45GSZ55 - 24 Stages
- 45GSZ40 - 18 Stages
- 45GSZ30 - 13 Stages
- 45GSZ20 - 9 Stages
MODEL 50GSZ

MODEL: 50GSZ
SIZE: COMPOSITE
RPM: 2875

TOTAL DYNAMIC HEAD

0  20  40  60  80  100  24 m³/hr

CAPACITY

0 100 200 300 m³/hr

RECOMMENDED RANGE
6 - 15 m³/hr

50GSZ75 - 26 Stages
50GSZ55 - 19 Stages
50GSZ40 - 14 Stages
50GSZ30 - 10 Stages
50GSZ20 - 7 Stages

FEET  METERS

0  50  100  150  200  250  300  350  400  450  500  200

0  25  50  75  100  125  150  175  200  225  250  275  300  325  350  375  400
MODEL 65GSZ

- **65GSZ75 - 20 Stages**
- **65GSZ55 - 15 Stages**
- **65GSZ40 - 11 Stages**
- **65GSZ30 - 8 Stages**

**MODEL:** 65GSZ  
**SIZE:** COMPOSITE  
**RPM:** 2875

**RECOMMENDED RANGE:**  
8 - 21 m³/hr

**CAPACITY**  
0 20 40 60 80 100 120  
US GPM

**TOTAL DYNAMIC HEAD**  
0 25 50 75 100 125 150  
METERS  
0 20 40 60 80 100 120  
FEET

**US GPM**  
0 20 40 60 80 100 120  
m³/hr
1) The tissue in plants that brings water upward from the roots;  
2) a leading global water technology company.

We're 12,500 people unified in a common purpose: creating innovative solutions to meet our world’s water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. 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, backed by a legacy of innovation.

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