Goulds Pumps
25VB High-Pressure Vertically Immersed Multi-stage Booster Pump

FEATURES

- **Multi-stage Design**: Provides steady, quiet, vibration free, operation.
- **O-ring Casing Seal**: Reliable high pressure sealing with easy disassembly for maintenance or repair.
- **Impellers and Diffusers**: Glass filled engineered composite material with floating impeller design. High resistance to corrosion and abrasion.
- **Bowls**: 300 stainless steel rabbit lock for positive alignment with no Gaskets required.
- **Variable Capacity**: Centrifugal pump design permits selection of flow within a range for each size.
- **Motors**: Close coupled NEMA 56J motors. Totally enclosed fan cooled. Three phase. Ball bearings carry all radial and axial thrust loads. Designed for continuous operation.
- **A tank mounting clamp is provided for ease of adjustment to tank depth.**
- **Optional stainless steel suction and discharge.**

Goulds Pumps is a brand of ITT Corporation.

www.goulds.com

*Engineered for life*
SPECIFICATIONS

Pump:
- Capacities: to 33 GPM.
- Heads: to 430 ft. (190 PSI).
- Pipe Connections: 1” NPT.
- Maximum flow: 33 GPM.
- Minimum flow: 8 GPM.
- Maximum Liquid Temperature: 160°F (71°C).
- Rotation: Counterclockwise when viewed from motor end.
- Maximum lift with foot valve: 10 ft. (check NPSH curve).

Motor:
- NEMA standard: 56J frame.
- Totally enclosed fan cooled.
- 60 Hz, 3500 RPM, three phase.
- Three phase motors require starters, available separately.

APPLICATIONS

Mounts in a tank for circulation of cooling detergent solutions for machinery and parts cleaning.
### MATERIALS OF CONSTRUCTION

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Motor Adapter</td>
<td>Cast Iron or Cast 304 Stainless Steel</td>
</tr>
<tr>
<td>2</td>
<td>Mechanical Seal</td>
<td>2 = Carbon/Ceramic/BUNA 3 = Carbon/Silcar/EPR 4 = Carbon/Ceramic/Viton 5 = Carbon/Silcar/Viton</td>
</tr>
<tr>
<td>3</td>
<td>Shaft Coupling</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>4</td>
<td>Impeller/Diffuser</td>
<td>Engineered Composite</td>
</tr>
<tr>
<td>5</td>
<td>Bowl</td>
<td>304 Stainless Steel</td>
</tr>
<tr>
<td>6</td>
<td>Suction Head</td>
<td>Cast Iron or 304 Stainless Steel</td>
</tr>
<tr>
<td>7</td>
<td>Hex Shaft</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>8</td>
<td>Casing</td>
<td>304 Stainless Steel</td>
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</tbody>
</table>

### DIMENSIONS AND WEIGHTS

<table>
<thead>
<tr>
<th>Model</th>
<th>Stages</th>
<th>L1 Approx.</th>
<th>L2 Approx.</th>
<th>HP</th>
<th>L3 Max.</th>
<th>Max. Wt. lbs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>25VB10</td>
<td>5</td>
<td>10.62</td>
<td>12.62</td>
<td>1</td>
<td>10.00</td>
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<tr>
<td>25VB15</td>
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<td>14.50</td>
<td>1½</td>
<td>10.86</td>
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<td>25VB20</td>
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<td>14.38</td>
<td>16.38</td>
<td>2</td>
<td>11.00</td>
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<tr>
<td>25VB30</td>
<td>13</td>
<td>18.12</td>
<td>20.12</td>
<td>3</td>
<td>11.25</td>
<td>64</td>
</tr>
</tbody>
</table>

Warnings:
- Do not run pump dry.
- Do not run pump below minimum flow.
- Mount pump so that suction is at least two inches above the tank bottom.
- Liquid level must be at least 5" above suction before starting pump.
- Not for use in condensate, acid or highly caustic solutions. Contact your distributor for specific applications.