The RSV is a general-purpose, high-pressure pump built to handle a wide variety of flows, pressures and temperatures. With stainless steel construction, this pump is ideal for a variety of potable water and process applications. Its vertical in-line design allows for a small installation footprint, further enhancing its adaptability to many different systems.

The RSV is available in nine sizes, for flow rates to 400 GPM. With its modular construction, each pump can be constructed with a number of stages to meet the application’s required pressure.

Our pumps are manufactured with the highest standards of quality. Strict controls throughout the manufacturing process, along with high hydraulic efficiency, ensure reliable operating performance and low lifetime cost.

In-line vertical multistage pumps for high-pressure applications.

**STANDARD MATERIALS**

<table>
<thead>
<tr>
<th>Component</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outer Casing</td>
<td>304SS or 316SS</td>
</tr>
<tr>
<td>Intermediate Casing</td>
<td>304SS or 316SS</td>
</tr>
<tr>
<td>Bottom Casing</td>
<td>Cast Iron, 304SS or 316SS</td>
</tr>
<tr>
<td>Impeller</td>
<td>304SS or 316SS</td>
</tr>
<tr>
<td>Shaft</td>
<td>316SS</td>
</tr>
<tr>
<td>Wear Ring</td>
<td>PTFE or 316SS</td>
</tr>
</tbody>
</table>

**MECHANICAL DATA**

<table>
<thead>
<tr>
<th>Component</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impeller</td>
<td>Enclosed, High Efficiency</td>
</tr>
<tr>
<td>Mounting</td>
<td>Vertical In-line</td>
</tr>
<tr>
<td>Thrust Bearing</td>
<td>Sealed Ball Bearings</td>
</tr>
<tr>
<td>Connection</td>
<td>ANSI Raised-Face Flanges</td>
</tr>
<tr>
<td></td>
<td>(150, 250 &amp; 300 lbs.)</td>
</tr>
</tbody>
</table>
**PIPING CONNECTION OPTIONS**
Optional pipe connections are available depending on the application requirements

**IMPELLER**
Low axial thrust impeller enables long motor bearing life

**FILL PORT**
Fill port in casing cover allows for water fill, as well as installation of sensors, gauges and other measuring devices (RSVS Model)

**SHAFT SEAL SOLUTIONS**
The cartridge shaft seal enables replacement of the shaft seal without disassembling the motor bracket

**SPACER COUPLING**
Allows for easy maintenance without having to remove heavy motors over 7.5 HP

**MOTOR**
Standard NEMA motor sizes can be fitted with no modifications, thanks to low axial thrust load

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**HYDRAULICS**
- Flows to 400 US GPM (91 m³/hr)
- Heads to 830 Feet (253 m)
- Efficiencies to 80%
- Power to 50 HP (37 KW)
- Speeds up to 3,550 RPM
- Temperatures to 250° F (121° C)

**APPLICATIONS**
- Water supply systems
- Reverse osmosis
- Water boosting
- Washing systems
- Fire fighting
- Water treatment plants
- Boiler feed
- Jockey pump services
- Hot & cold water
- Circulation
- Irrigation
- Sprinkler systems
- Filtration
- Heat exchangers

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