Models
SDV-320  SDV-430

Features
- Patented variable pitch rotor design
- Lower gas discharge temperatures – no cooling purges needed
- No oil or water in contact with process gases
- No metal-to-metal contact between operating parts
- Space saving C-face motor design eliminates need for motor coupling and guard
- Short gas path through the pump for quick discharge
- Quiet operation ≤ 80 dB(A)
- PEEK coated internals reduce damage from corrosive or condensable gases

Typical Pumping Speed Curves

![Typical Pumping Speed Curves](image.png)

Materials of Construction

**Non-Process-Wetted Surfaces:**
Ductile iron, uncoated

**Process-Wetted Surfaces:**
Ductile iron, PEEK coating

**Timing Gears:**
Alloy steel, precision ground, helical type

**SHAFT SEALS:**
- Drive End: Mechanical seal & lip seal
- Non-Drive End: Triple lip seals
- Drive Shaft: Mechanical seal
- O-rings: Kalrez® compound 6375

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Specifications

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CAPACITY (60 Hz)</th>
<th>ULTIMATE PRESSURE (60 Hz)</th>
<th>ROTATION SPEED 60 Hz / 50 Hz</th>
<th>MOTOR HP</th>
<th>POWER CONSUMPTION 60 Hz / 50 Hz</th>
<th>SUCTION FLANGE (ANSI, 150# RF)</th>
<th>DISCHARGE FLANGE (ANSI, 150# RF)</th>
<th>COOLING WATER GPM / L/min</th>
<th>NOISE LEVEL dB(A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDV-320</td>
<td>188 / 320</td>
<td>0.01 / 0.013</td>
<td>3500 / 2900</td>
<td>10</td>
<td>6.4 / 5.4</td>
<td>2 / 50</td>
<td>1.5 / 40</td>
<td>2.1 / 8</td>
<td>80</td>
</tr>
<tr>
<td>SDV-430</td>
<td>253 / 430</td>
<td>0.01 / 0.013</td>
<td>3500 / 2900</td>
<td>15</td>
<td>9.4 / 7.9</td>
<td>2.5 / 65</td>
<td>2 / 50</td>
<td>2.9 / 11</td>
<td>80</td>
</tr>
</tbody>
</table>

Dimensions

Values shown are approximate and should not be used for construction. Certified drawings are available through your local Kinney Sales Professional.

CONTACT US

For more information, contact your Regional Sales Manager or call us at:

1-800-825-6937

Your Local Sales Professional: