Models
SDV-120    SDV-200

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 ≤ 72 dB(A)
- Niflon coated internals reduce damage from corrosive or condensable gases

Materials of Construction
CASING, END PLATES, COVERS: Ductile iron, uncoated
ROTORS: Ductile iron, Niflon coating
TIMING GEARS: Alloy steel, precision ground, helical type
SHAFT SEALS:
  Drive End: Mechanical seal & lip seal
  Non-Drive End: Triple lip seals (Double on SDV-120)
Drive Shaft: Mechanical seal
O-RINGS: Kalrez® compound 6375

Kalrez® is a registered trademark of E.I. duPont de Nemours and Company.

Specifications

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CAPACITY (60 Hz) CFM / m³/h</th>
<th>ULTIMATE PRESSURE (50 Hz) Torr / mbar</th>
<th>ROTATION SPEED 60 Hz / 50 Hz</th>
<th>MOTOR HP</th>
<th>POWER CONSUMPTION 60 Hz / 50 Hz kW</th>
<th>SUCTION FLANGE (ANSI, 150# RF) in. / mm</th>
<th>DISCHARGE FLANGE (ANSI, 150# RF) in. / mm</th>
<th>COOLING WATER GPM / L/min</th>
<th>NOISE LEVEL dB(A)</th>
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<tbody>
<tr>
<td>SDV-120</td>
<td>71 / 120 59 / 100</td>
<td>0.02 / 0.026 0.04 / 0.053</td>
<td>3500 / 2900</td>
<td>5</td>
<td>2.5 / 2.0</td>
<td>1.5 / 40</td>
<td>1.5 / 40</td>
<td>0.5 / 2.0</td>
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<td>SDV-200</td>
<td>106 / 180 88 / 150</td>
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Typical Pumping Speed Curves
Values shown are approximate and should not be used for construction. Certified drawings are available through your local Tuthill Vacuum & Blower Systems Sales Professional.

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<th>in.</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
<th>N</th>
<th>Shaft LBS kg</th>
<th>Complete Unit LBS kg</th>
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Your Local Tuthill Vacuum Blower Systems Sales Professional: