Models
SDV-800

Features
- Patented variable pitch rotor design
- 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 ≤ 85 dB(A)
- PEEK coated internals reduce damage from corrosive or condensable gases

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) CFM / m³/h</th>
<th>ULTIMATE PRESSURE (60 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# FF in. / mm</th>
<th>DISCHARGE FLANGE ANSI, 150# FF in. / mm</th>
<th>COOLING WATER GPM / L/min</th>
<th>NOISE LEVEL dB(A)</th>
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</thead>
<tbody>
<tr>
<td>SDV-800</td>
<td>441 / 750 368 / 625</td>
<td>0.01 / 0.013 0.03 / 0.04</td>
<td>3500 / 2900</td>
<td>20</td>
<td>13 / 11</td>
<td>4 / 100</td>
<td>2.5 / 65</td>
<td>5.3 / 20</td>
<td>85</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.

<table>
<thead>
<tr>
<th>Dimensions</th>
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<tr>
<th>in.</th>
<th>A</th>
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<th>C</th>
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<th>E</th>
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<th>G</th>
<th>H</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
<th>N</th>
<th>BARE SHEFT LBS</th>
<th>COMPLETE UNIT LBS</th>
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