What do you need in a rotary piston vacuum pump? Powerhouse, single-stage or two-stage performance? A small footprint? Micron range ultimate vacuum? After-sales expertise?

Rotary piston vacuum pump technology is complex. But the purchasing decision is easy. Don’t settle for less. Make the perfect choice – DEKKER’s HullVac line:

- Single-stage rotary piston vacuum pumps
- Two-stage rotary piston vacuum pumps

HullVac rotary piston vacuum pumps are engineered for a long life, top performance, low maintenance and ease of use. DEKKER offers a comprehensive selection of models with valuable features and expert after-sales service, including a standard three-year warranty – the best in the industry.

HullVac: Upgrade to a Superior Experience of Products and Service.

**HV Series Single-Stage Rotary Piston Vacuum Pumps (52 to 850 CFM)**

Perfect for the toughest industrial environments. An affordable workhorse.

**HVC Series Two-Stage Rotary Piston Vacuum Pumps (32 to 340 CFM)**

Perfect when a deeper ultimate vacuum is required. Two-stage enhances capacity below 250 microns and allows full gas ballast operation while maintaining micron range blank off.

DuoVac Multi-Stage Custom Engineered Systems:

DuoVac systems combine the proven technology of the rotary piston with a direct-drive booster utilizing variable frequency drive (VFD) control. This system offers increased pump-down capacity, resulting in quicker pull down and higher ultimate pressure.

HullVac Ram-Dry Technology is used in applications where high vapor loading is present.

Ram-Dry™ technology uses vacuum to boil water at ambient temperature. Water vapor travels through the pump and condenses back to liquid for disposal.

ROTARY PISTON VACUUM PUMP INDUSTRIES:


DEKKER offers a complete range of accessories and carries a comprehensive inventory of pumps and parts. For emergency repairs, DEKKER takes pride in offering same-day shipping of most standard parts. DEKKER maintains an extensive domestic and global network of authorized service centers.
What do you need in a rotary piston vacuum pump? Powerhouse, single-stage or two-stage performance? A small footprint? Micron range ultimate vacuum? After-sales expertise?

### Improved Modern Design
No center-wall bearing | Eliminating this bearing means that the bearing will not be exposed to the pump oil, which could be contaminated leading to reduced bearing life.

Caged Hinge Bars | Design cages all hinge bars in line, reducing wear.

### Improved Shaft Sealing
Hardened Shaft Sleeves with O-ring seal | Sleeve is replaceable and O-ring sealing prevents leakage.

### Improved Exhaust Valve Design
No possibility of worn valve components getting into the pumping chamber, which could result in major repairs.

### Robust Valve Wear Plates
Hardened steel wear plates provide longer life compared to plastic used by the competition.

### Improved O-Ring Sealing
Side plates feature O-ring seal. Efficient design reduces maintenance time and prevents leakage.

The bottom of the valve deck contains an O-ring seal that is easy to replace. Other designs use paper seals, which are inferior and disintegrate causing plugging.

### Rotary Piston Vacuum Pump Applications:
- Altitude Chambers
- Autoclaves
- Engine Testing
- Filtration
- Forming
- Freeze Drying
- Glass Manufacturing
- Heat Treating
- Impregnation
- Paper Coating
- Perforation printing
- Thermoforming
- Transformer Oil Purification
- Wind Tunnels

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### Single-Stage Rotary Piston Vacuum Pumps

<table>
<thead>
<tr>
<th>HullVac Rotary Piston</th>
<th>Nominal Capacity (ACFM)</th>
<th>Motor Size (HP)</th>
<th>Max Vacuum Level (Torr)</th>
<th>Final Pressure (Gas Ballast open) (Torr)</th>
<th>Oil Capacity (Gal)</th>
<th>Pump Speed (RPM)</th>
<th>Cooling Configuration</th>
<th>Cooling Waterflow Rate (GPM)*</th>
<th>Inlet Connection (in.)</th>
<th>Discharge Connection (in.)</th>
<th>Weight (Lbs)</th>
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</thead>
<tbody>
<tr>
<td>HV55A</td>
<td>52</td>
<td>3</td>
<td>0.0450</td>
<td>1.5000</td>
<td>0.9</td>
<td>620</td>
<td>Air</td>
<td>n/a</td>
<td>2&quot; Flange</td>
<td>1-1/2&quot; Flange</td>
<td>380</td>
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<tr>
<td>HV140A</td>
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<td>5</td>
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<td>1.5000</td>
<td>3.3</td>
<td>700</td>
<td>Air</td>
<td>n/a</td>
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<td>2&quot; Flange</td>
<td>800</td>
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<tr>
<td>HV160</td>
<td>150</td>
<td>7.5</td>
<td>0.0450</td>
<td>1.5000</td>
<td>4</td>
<td>555</td>
<td>Air &amp; Water</td>
<td>1.5</td>
<td>3&quot; Flange</td>
<td>2&quot; Flange</td>
<td>1000</td>
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<tr>
<td>HV412XT</td>
<td>300 (340)</td>
<td>10 (15)</td>
<td>0.0450</td>
<td>1.5000</td>
<td>12</td>
<td>635</td>
<td>Air &amp; Water</td>
<td>2.5</td>
<td>4&quot; Flange</td>
<td>3&quot; FNPT</td>
<td>1750</td>
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<tr>
<td>HV450</td>
<td>450</td>
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<td>0.0450</td>
<td>1.5000</td>
<td>13</td>
<td>560</td>
<td>Air &amp; Water</td>
<td>3.5</td>
<td>4&quot; Flange</td>
<td>3&quot; Flange</td>
<td>2210</td>
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<tr>
<td>HV635</td>
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<td>30</td>
<td>0.0450</td>
<td>1.5000</td>
<td>15</td>
<td>555</td>
<td>Air &amp; Water</td>
<td>5</td>
<td>6&quot; Flange</td>
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<td>2800</td>
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<td>25</td>
<td>500</td>
<td>Air &amp; Water</td>
<td>7</td>
<td>8&quot; Flange</td>
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### Two-Stage Rotary Piston Vacuum Pumps

<table>
<thead>
<tr>
<th>HullVac Rotary Piston</th>
<th>Nominal Capacity (ACFM)</th>
<th>Motor Size (HP)</th>
<th>Max Vacuum Level (Torr)</th>
<th>Final Pressure (Gas Ballast open) (Torr)</th>
<th>Oil Capacity (Gal)</th>
<th>Pump Speed (RPM)</th>
<th>Cooling Configuration</th>
<th>Cooling Waterflow Rate (GPM)*</th>
<th>Inlet Connection (in.)</th>
<th>Discharge Connection (in.)</th>
<th>Weight (Lbs)</th>
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</thead>
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<tr>
<td>HVC35A</td>
<td>32</td>
<td>3</td>
<td>0.0075</td>
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<td>555</td>
<td>Air</td>
<td>n/a</td>
<td>2&quot; Flange</td>
<td>1-1/2&quot; Flange</td>
<td>380</td>
</tr>
<tr>
<td>HVC65</td>
<td>65</td>
<td>5</td>
<td>0.0075</td>
<td>0.0750</td>
<td>2.5</td>
<td>555</td>
<td>Air &amp; Water</td>
<td>1</td>
<td>2-1/2&quot; Flange</td>
<td>2&quot; Flange</td>
<td>750</td>
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<tr>
<td>HVC100A</td>
<td>95</td>
<td>5</td>
<td>0.0075</td>
<td>0.0750</td>
<td>3.3</td>
<td>700</td>
<td>Air</td>
<td>n/a</td>
<td>2-1/2&quot; Flange</td>
<td>2&quot; Flange</td>
<td>800</td>
</tr>
<tr>
<td>HVC180</td>
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<td>10</td>
<td>0.0075</td>
<td>0.0750</td>
<td>6.5</td>
<td>555</td>
<td>Air &amp; Water</td>
<td>2</td>
<td>3&quot; Flange</td>
<td>2-1/2&quot; Flange</td>
<td>1400</td>
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<tr>
<td>HVC340</td>
<td>340</td>
<td>20</td>
<td>0.0075</td>
<td>0.0750</td>
<td>20</td>
<td>615</td>
<td>Air &amp; Water</td>
<td>2.5</td>
<td>4&quot; Flange</td>
<td>3&quot; Flange</td>
<td>2400</td>
</tr>
</tbody>
</table>

Voltage is 208-230/460V for all models listed. Consult factory for other voltages. *Cooling Water requirement based on 60ºF.

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Call DEKKER: The Experts in Vacuum Solutions at 888-925-5444 for application expertise.
Your Knowledge-Backed Guarantee. Need help sizing a vacuum pump? Having application problems? With over 100 years of combined experience, we've made it our business to know your needs as well as our systems capabilities. With DEKKER, you get a team of vacuum experts dedicated to helping you resolve system challenges, streamline processes, and optimize results.

Maintenance, service and repair so you keep operating at maximum efficiency.