The pump series:
- PVL51 - PVL71 final vacuum 0.5 Torr (absolute)
- PVL51/B - PVL71/B final vacuum 7.5 Torr (absolute)

They have a nominal capacity of 26.5 ACFM and 38 ACFM respectively.

They are lubricated, with oil recirculation system, rotary vane vacuum pumps.

They are suitable to evacuate closed systems or to operate at a constant vacuum within the following vacuum range:
- PVL51 - PVL71 from 0.5 to 300 Torr (absolute)
- PVL51/B - PVL71/B from 7.5 to 650 torr (absolute)

They are complete with:
- inlet mesh filter
- check valve
- gas-ballast valve
- vibration damping feet

<table>
<thead>
<tr>
<th></th>
<th>PVL51</th>
<th>PVL51/B</th>
<th>PVL71</th>
<th>PVL71/B</th>
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</thead>
<tbody>
<tr>
<td>Nominal Capacity ACFM</td>
<td>32</td>
<td>46</td>
<td>32</td>
<td>46</td>
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<tr>
<td>Ultimate pressure (abs.) Torr</td>
<td>0.5</td>
<td>7.5</td>
<td>0.5</td>
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<tr>
<td>RPM min.(^{-1}) 60 Hz</td>
<td>1700</td>
<td>1700</td>
<td>1700</td>
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<tr>
<td>Motor power HP 60 Hz</td>
<td>~3</td>
<td>2</td>
<td>3</td>
<td></td>
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<tr>
<td></td>
<td>~1</td>
<td>2</td>
<td>3</td>
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<tr>
<td>Sound pressure level dB(A) 60 Hz</td>
<td>69</td>
<td>70</td>
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<tr>
<td>Water vapor tolerance Torr</td>
<td>20</td>
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<tr>
<td>Water vapor capacity lb/h</td>
<td>2.2</td>
<td>3.1</td>
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<td></td>
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<tr>
<td>Total weight/without motor lbs 60 Hz</td>
<td>119/84</td>
<td>143/97</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>123/84</td>
<td>145/97</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oil charge qt</td>
<td>2</td>
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</table>

Technical data and curves according to Pneurop standard 6602 with gas-ballast valve in.

Applications:
- Hospital Central Vacuum Systems
- Meat Packing
- Food Packing
- General Packing
- Vacuum Filling
- CNC Routers

Lab Systems
- Vacuum Forming
- Vacuum Holddown
- Printing
- Vacuum Laminations
**Our Other Products:**

- Liquid Ring Vacuum Pumps: 3 CFM to 10,000 CFM
- Liquid Ring Compressors up to 100 psig
- Heat Transfer Pumps for hot thermal oils up to 600 deg. F

**Systems:**

- Package Vacuum Systems with Partial or Total Recirculation
- Customer Engineered Vacuum Solutions

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**A** Vertical inlet  
**A'** Horizontal inlet  
**B** Air outlet  
**C** Cooling air inlet  
**D** Cooling air outlet  
**E** Oil filling plug  
**F** Oil level control  
**G** Oil discharge plug  
**H** Pump name plate  
**I** Oil plate  
**L** Rotation plate  
**M** Lifting eyebolt  
**N** 1/8" port for pressure gauge