The pump series:

- PVL100 final vacuum 0.5 Torr (absolute)
- PVL100/B final vacuum 7.5 Torr (absolute)

have a nominal capacity (60 Hz) of 75 ACFM.

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:

- PVL100 from 0.5 to 300 Torr (absolute)
- PVL100/B from 7.5 to 650 torr (absolute)

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

Applications:

Hospital Central Vacuum Systems
Meat Packing
Food Packing
General Packing
Vacuum Filling
CNC Routers

Lab Systems
Vacuum Forming
Vacuum Holdown
Printing
Vacuum Laminations

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

<table>
<thead>
<tr>
<th></th>
<th>PVL100</th>
<th>PVL100/B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Capacity ACFM</td>
<td>60 Hz 75</td>
<td></td>
</tr>
<tr>
<td>Ultimate pressure (abs.) Torr</td>
<td>0.5  7.5</td>
<td></td>
</tr>
<tr>
<td>RPM min.⁻¹ 60 Hz</td>
<td>1700</td>
<td></td>
</tr>
<tr>
<td>Motor power HP 60 Hz</td>
<td>~3 4</td>
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<tr>
<td>Sound pressure level 60 Hz dB(A)</td>
<td>71</td>
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<tr>
<td>Water vapor tolerance Torr</td>
<td>20</td>
<td></td>
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<tr>
<td>Water vapor capacity lb/h</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total weight/without motor lbs 60 Hz</td>
<td>~3 198/143</td>
<td></td>
</tr>
<tr>
<td>Oil charge qt</td>
<td>2.5</td>
<td></td>
</tr>
</tbody>
</table>

CFM 60 Hz

0.1  0.5  1  4  7.5  37.5  75 750 Torr

Liquid Ring & Rotary Vane Vacuum Pumps and System

PVL100 - PVL100/B
PVL100 - PVL100/B

* Dimensions subject to changes depending on the motor brand

A Inlet
B Air outlet
C Cooling air inlet
D Cooling air outlet
E Oil filling plug
F Maximum oil level sight glass
F1 Minimum oil level sight glass
G Oil discharge plug
H Pump name plate
I Oil plate
L Rotation plate
M Lifting eyebolt
N Gas ballast valve

**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.

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