

PVD Series Oil Rotary Vacuum Pumps

The PVD Series are belt-driven compact rotary vacuum pumps with outstanding evacuation characteristics. They are used by a large number of ULVAC customers.

Features

Stable evacuation characteristics

Extremely stable evacuation performance

Low noise

Suited to noise-sensitive environments

Simple maintenance and inspection

Block configuration enables solid structure with few parts, making overhauls and other maintenance and inspection work easy and clear-cut.

PVD-B Series

Oil backflow prevention mechanism is provided standard.

Specifications

Model (*1)PVD-180(B)PVD-360(B)Design evacuation speed (m³/h (l/min))50Hz9(155)19(310)60Hz11(186)22(372)Final pressure (*2)Pa/mbar/Torr6.7 x 10⁻¹ /6.7 x 10⁻³ /5.0 x 10⁻³Motor (*3)kW(number of poles)0.4(4P)0.75(4P)Motor speed (rpm)50Hz50060Hz600Required oil volumeL0.30.5Oil (*4)ULVOIL R-7Cooling methodAir-cooledIntake pipe size(inner diameter x outer diameter)28 (diameter) x 19 (diameter)34(diameter)x 27(diameter)Vent pipe size (JIS pipe screw thread)G3/4(PF3/4)G1(PF1)Weight (pump + base)kg33.543External dimensionsTotal length x total width x total height (mm)450 x 235 x 321500 x 275 x 321Standard accessoriesBase, belt cover, motor pulley, V-belt, oil for 1 motorOptionsTMX-1 oil mist trap, oil mist trap adapter, C-1/2 base with handle and castersNote: This catalog uses SI measurement units. Conversion to non-SI units is as follows

Final pressure: 6.7 x 10⁻¹ Pa = 5 x 10⁻³ torr

*1 PVD-B Series models: PVD-180B and PVD-360B are versions of PVD-180 and PVD-360 with oil backflow prevention mechanisms.

*2 Measured by Pirani vacuum gauge (about 6.7 x 10⁻² Pa with MacLeod vacuum gauge)

*3 When ordering, specify whether you require a motor, and if you do, specify its type, voltage and frequency. Totally enclosed fan-cooled motors, increased safety motors, and explosion-proof motors are available as options.

*4 Other oil types are available. Contact ULVAC's Sales Department.