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**COMPONENTS**

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**Oil Rotary Vacuum Pump   
PVD Series [9 to 22m3/h(155 to 372L/min)]**

[For more Information](https://www.ulvac.co.jp/en/mail_info/compo-inquiry/)



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

[https://www.ulvac.co.jp/eng/img/common/icon_arrow05.gif](https://www.ulvac.co.jp/products_e/components/vacuum-pump/oil-rotary-pump/pvd-series)

* Consistent pumping performance
* Low vibration and low noise
* Because the pump body is machined from a single aluminum block casting the unit has fewer parts to maintain.
* Oil-backflow prevention(PVD-B series)

Specifications

[https://www.ulvac.co.jp/eng/img/common/icon_arrow05.gif](https://www.ulvac.co.jp/products_e/components/vacuum-pump/oil-rotary-pump/pvd-series)

|  |  |  |  |
| --- | --- | --- | --- |
| Model \*1 | | PVD-180(B) | PVD-360(B) |
| Design pumping speed | 50Hz | 9m3/h(155L/min) | 19m3/h(310L/min) |
| 60Hz | 11m3/h(186L/min) | 22m3/h(372L/min) |
| Final pressure \*2 | | 6.7 x 10-1Pa | |
| Motor (number of poles) \*3 | | 0.4kW(4P) | 0.75kW(4P) |
| Motor speed | 50Hz | 500rpm | |
| 60Hz | 600rpm | |
| Required oil volume | | 0.3L | 0.5L |
| Oil \*4 | | ULVOIL R-7 | |
| Cooling method | | Air-cooled | |
| Intake pipe size | inner diameter x outer diameter | φ28mm x φ19mm | φ34mm x φ27mm |
| Vent pipe size (JIS pipe screw thread) | | G3/4(PF3/4) | G1(PF1) |
| Weight (pump + base) | | 33.5kg | 43kg |
| External dimensions | W x D x H | 235 x 450 x 321mm | 275 x (500) x 321mm |
| Standard accessories | | Base, belt cover, motor pulley, V-belt, oil for 1 pump | |
| Options | | TMX-1 oil mist trap, oil mist trap adapter, C-1/2 base with handle and casters | |

|  |  |
| --- | --- |
| Note: | This specification 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. (Except PVD-B series) |
| \*4 | Other oil types are available. Contact ULVAC's Sales Department. |