

VARODRY OEM

Dry screw vacuum pumps

Leybold presents a new member in the VARODRY family: the heavy duty, oxygen-handling version of the successful VD OEM version. This innovative variant is specifically made for these applications, where harsh processes meet the requirement of compactness & dry vacuum.



Performance driven

High pumping speed up to 200 m³/h and low ultimate pressure down to the 10⁻³ mbar range.



No oil emissions

No oil mist at exhaust and no oil migration to the chamber.



Robust design

Special coated rotors for advanced protection with a robust & stable housing.



Low TCO

Energy savings due to a high energy efficient motor and low maintenance requirements.



Simple Plug & Go

Simple motor connection.
No water cooling > no further connections needed.



Technical Data

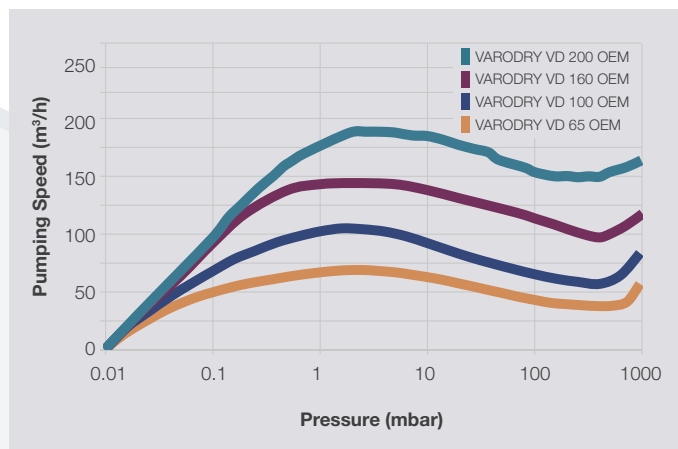
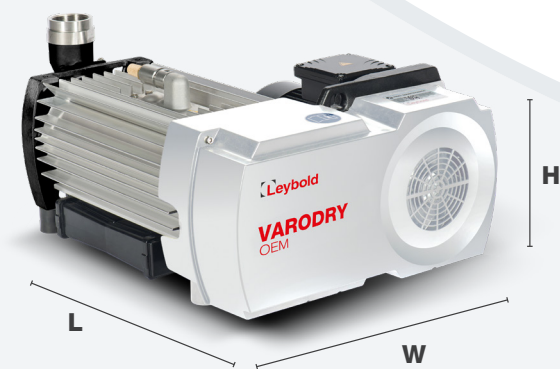
| VARODRY | | VD 65 OEM | VD 100 OEM | VD 160 OEM | VD 200 OEM |
|---|-------------------|----------------------------|-----------------|-----------------|------------|
| Max. pumping speed | m ³ /h | 65 | 105 | 150 | 200 |
| Ultimate pressure without gas ballast | mbar | < 0.01 | | | |
| Ultimate pressure with gas ballast | mbar | < 0.1 | | | |
| Max. permissible inlet pressure | mbar | 1050 | | | |
| Max. permissible outlet pressure (rel. to ambient) | mbar | 200 | | | |
| Water vapor tolerance with gas ballast | mbar | 60 | | | |
| Water vapor capacity with gas ballast | kg/h | 1,9 | 2,9 | 5.2 | 6.9 |
| Noise level (with built-in silencer) at ultimate pressure (50 / 60 Hz)* | dB(A) | 67 / 70 | | 70 / 73 | |
| Permissible ambient temperature | °C | 0 to +40 | | | |
| Rated motor power | kW | 1.5 | 2.2 | 3.0 | 4.0 |
| Protection class | | IP55 | | | |
| In- & outlet connection | | G 2" (In) - G 1 1/2" (Out) | | | |
| Dimensions [L x W x H]: | kg | 630 x 488 x 315 | 722 x 488 x 315 | 920 x 488 x 315 | |
| Weight, approx. | kg | 85 | 95 | 105 | 115 |

*According to DIN EN ISO 2151

| Ordering Information | VD 65 OEM | VD 100 OEM | VD 160 OEM** | VD 200 OEM** |
|--------------------------------|-----------|------------|--------------|--------------|
| 50 Hz, 200/400 V +- 10 %, 3 ph | 111065V12 | 111100V12 | 111160V12 | 111200V12 |
| 60 Hz, 230/460 V +- 10 %, 3 ph | 111065V13 | 111100V13 | 111160V13 | 111200V13 |
| 60 Hz, 200/380 V +- 10 %, 3 ph | 111065V22 | 111100V22 | 111160V22 | 111200V22 |

** Soft starter mandatory

| Accessories | | | | |
|--|--|--|-----------|--|
| Inlet non return valve G 2" (for inlet pressures > 1 mbar) | | | 111005A15 | |
| Inlet Adapter | | | | |
| DN 40 ISO-KF, 20 mm | | | 111005A20 | |
| G 1 1/4", 10 mm | | | 111005A21 | |
| NPT 1 1/4 -11.5, 10 mm | | | 111005A22 | |
| NPT 2-11.5, 35 mm | | | 111005A23 | |
| DN 63 ISO-K, 27 mm | | | 111005A24 | |
| Exhaust Adapters | | | | |
| DN 40 ISO-KF, 20 mm | | | 111005A30 | |
| NPT 1 1/2-11.5, 30 mm | | | 111005A31 | |
| Flushing Kit | | | 111005A01 | |
| Purge upgrade kit | | | 111005A01 | |
| Soft Starter VD/ND, ≥ 11A, 110-230 V AC | | | 111005A65 | |
| Soft Starter VD/ND, ≥ 11A, 24 V DC | | | 111005A66 | |
| Soft Starter VD/ND, ≥ 19A, 110-230 V AC | | | 111005A67 | |
| Soft Starter VD/ND, ≥ 19A, 24 V DC | | | 111005A68 | |



Pioneering products. Passionately applied.