

VARODRY Heavy Duty

handles
more than **O₂**

Leybold presents an extension of its VARODRY platform: this heavy duty, oxygen-handling model was developed using the same innovative features as the VARODRY. As a result, the VD HD/O₂ offers you another dry, reliable, efficient and easy vacuum!

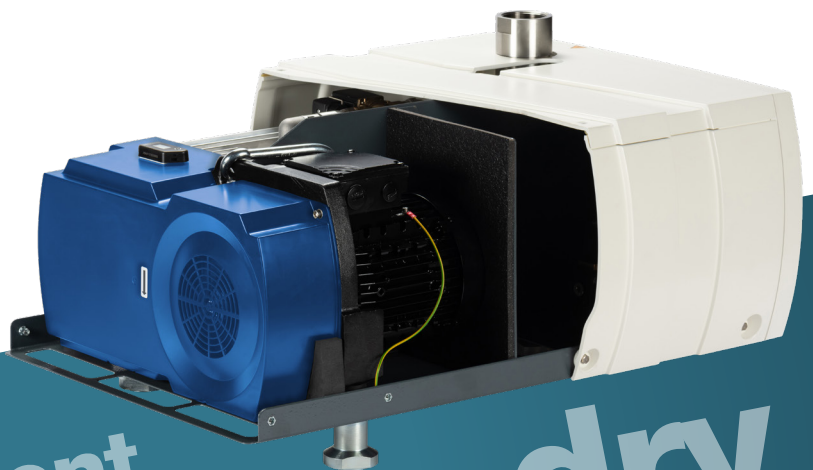
HD Heavy Duty

VARODRY HD/O₂ is specifically designed with a **stainless steel exhaust** and **built-in purge module**. Together, these allow the pump to **handle some of the harshest applications** in which exhaust gases are usually piped away.

O₂

The combination of the above HD features, the **completely oil-free VARODRY** concept and the extra precautions taken during production to ensure **internally hydrocarbon-free surfaces result in** a VARODRY HD/O₂ capable of **handling up to 100% oxygen**. These capabilities have been **accredited by a notified body**, based on intensive and rigorous testing.

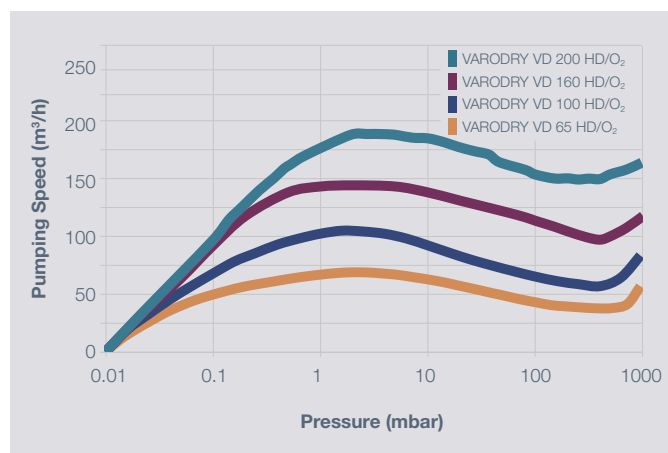
Start taking advantage of the best of today's technology. Your expensive (PFPE) oil replacements are a thing of the past. The VARODRY HD/O₂ minimizes your total cost of ownership!



reliable
efficient

easy dry

VARODRY HD/O₂ Dry Screw Vacuum Pumps



Technical Data

| VARODRY | | VD 65 HD/O ₂ | VD 100 HD/O ₂ | VD 160 HD/O ₂ | VD 200 HD/O ₂ |
|--|-------------------|----------------------------|--------------------------|--------------------------|--------------------------|
| 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 (connected with exhaust piping) 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 | 644 x 488 x 315 | 736 x 488 x 315 | 889 x 488 x 315 | |
| Weight, approx. | kg | 85 | 95 | 105 | 115 |

*According to DIN EN ISO 2151

| Ordering Information | VD 65 HD/O ₂ | VD 100 HD/O ₂ | VD 160 HD/O ₂ ** | VD 200 HD/O ₂ ** |
|--|-------------------------|--------------------------|-----------------------------|-----------------------------|
| 50 Hz, 200/400 V +- 10 %, 3 ph | 111065V35 | 111100V35 | 111160V35 | 111200V35 |
| 60 Hz, 230/460 V +- 10 %, 3 ph | 111065V36 | 111100V36 | 111160V36 | 111200V36 |
| 60 Hz, 200/380 V +- 10 %, 3 ph | 111065V37 | 111100V37 | 111160V37 | 111200V37 |
| 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 | | | |
| Casters (only for VARODRY) | 111005A50 | | | |
| Flushing Kit | 111005A00 | | | |
| 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 |

**Soft starter mandatory



Pioneering products. Passionately applied.