

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!

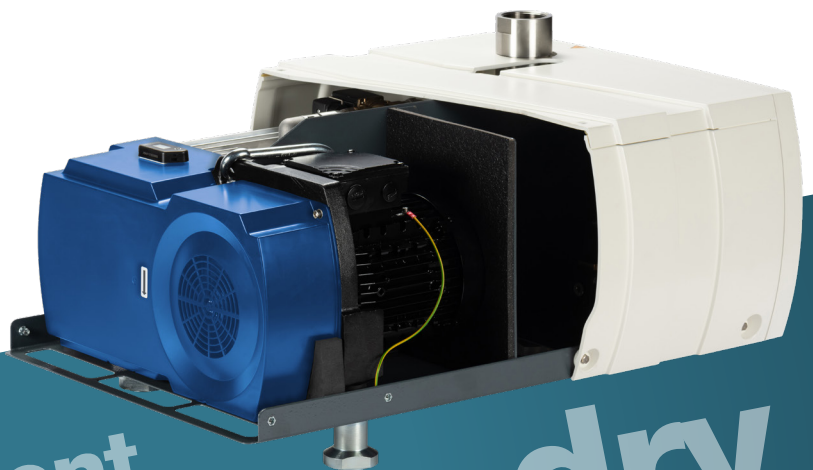
HD Heavy Duty

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.

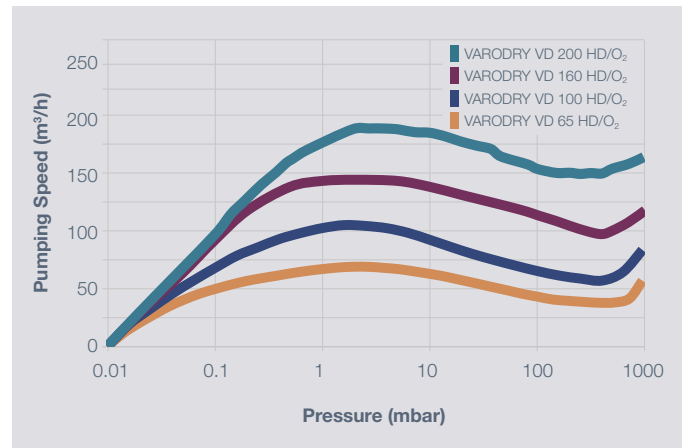
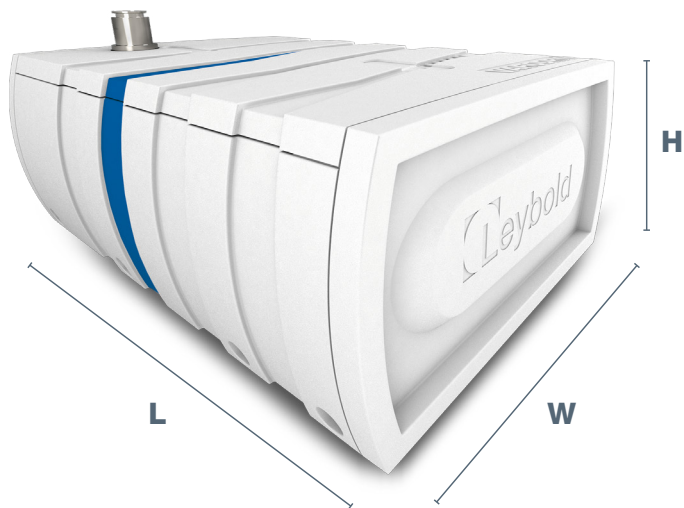
Start taking advantage of the best of today's technology. Your expensive (PFPE) oil replacements are a thing of the past. The VARODRY HD/O₂ minimizes your total cost of ownership!



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	100	140	180
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	VD 65 HD/O ₂	VD 100 HD/O ₂	VD 160 HD/O ₂	VD 200 HD/O ₂
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			



Pioneering products. Passionately applied.