



2 STAGE OIL-SEALED ROTARY VANE VACUUM PUMPS

Atlas Copco

GVD 0.7-1.5



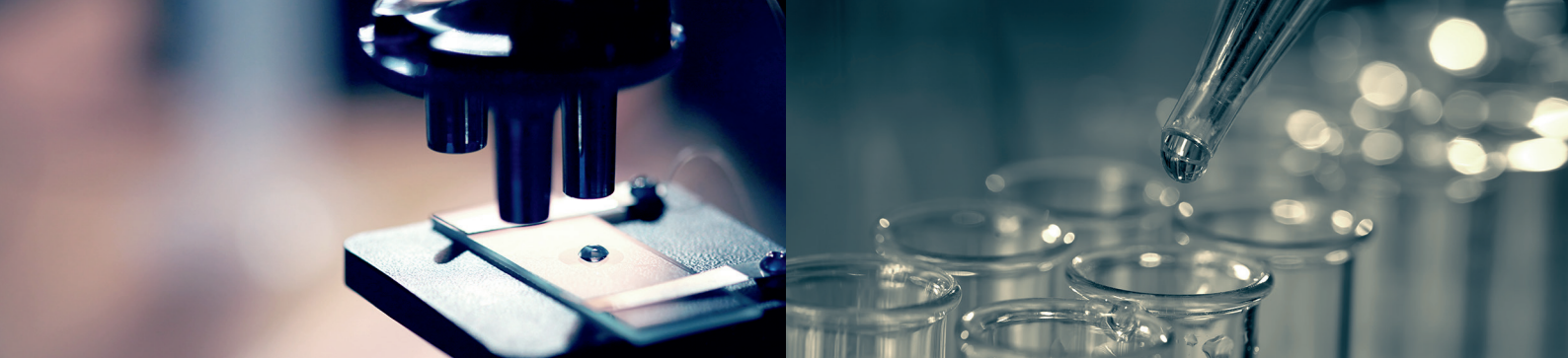
FEATURES AND BENEFITS

- The pump is designed for reliable, long-term operation.
- Compact dimensions.
- Low energy consumption.
- The pump is a free-standing unit.
- The drive is provided through a flexible coupling by a single-phase motor.
- The motors are totally enclosed and are cooled by the motor-cooling fan.
- Pressure die cast oil box with integral oil seals prevents oil leaks.
- Gas ballast valve for water vapor handling capacity.
- Externally approved to EN61010, CSA, C22.2 and UL61010.

TECHNICAL SPECIFICATIONS GVD 0.7-1.5

	GVD 0.7		GVD 1.5	
	50 Hz	60 Hz	50 Hz	60 Hz
Displacement	0.9 m ³ h ⁻¹ / 0.5 cfm	1.1 m ³ h ⁻¹ / 0.6 cfm	1.8 m ³ h ⁻¹ / 1.0 cfm	2.2 m ³ h ⁻¹ / 1.3 cfm
Speed (Pneurop 6602)	0.75 m ³ h ⁻¹ / 0.4 cfm	0.95 m ³ h ⁻¹ / 0.5 cfm	1.6 m ³ h ⁻¹ / 0.8 cfm	2.0 m ³ h ⁻¹ / 1.2 cfm
Ultimate vacuum (total pressure) with gas ballast	2.0 x 10 ⁻¹ mbar / 1.5 x 10 ⁻¹ Torr		2.5 x 10 ⁻² mbar / 1.9 x 10 ⁻² Torr	
Inlet connection	DN10 ISO-KF		DN10 ISO-KF	
Outlet connection	Nozzle 11 mm		Nozzle 11 mm	
Max. outlet pressure	0.5 bar / 7 psig gauge		0.5 bar / 7 psig gauge	
Max. inlet pressure for water vapor	15 mbar / 11 Torr		15 mbar / 11 Torr	
Max. water vapor pumping rate	8 gh ⁻¹		16 gh ⁻¹	
Weight (without oil)	10 kg / 22 lb		10 kg / 22 lb	
Motor power	90W		160W	
Power connector 1-ph*	IEC EN60320 C13		IEC EN60320 C13	
Maximum oil capacity	0.28 litre		0.28 litre	
Minimum oil capacity	0.2 litre		0.2 litre	
Noise level	43 dB(A) @ 50 Hz		54 dB(A) @ 50 Hz	

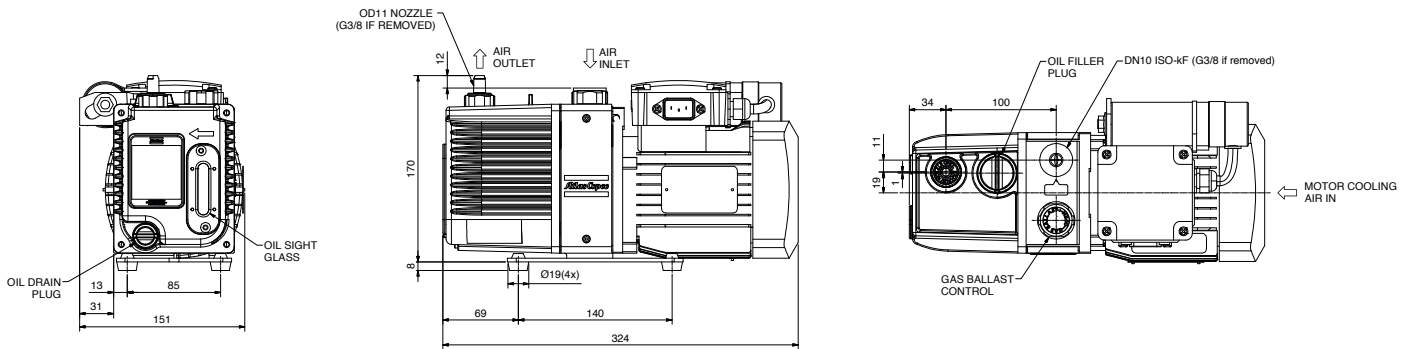
* 2m long 1-phase cable to be ordered separately. 3-phase motors not available.



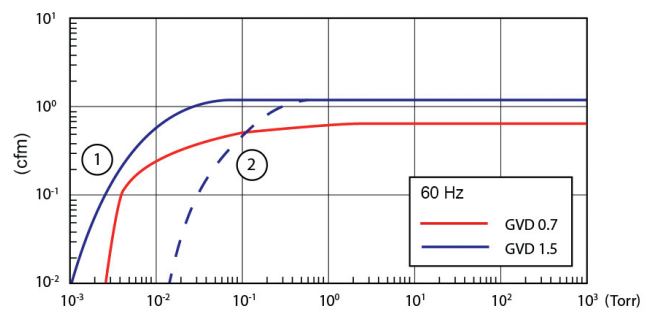
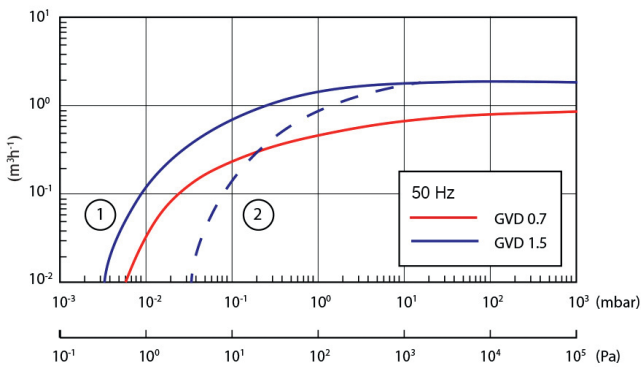
APPLICATIONS

- Analytical instruments
- Laboratory bench top vacuum
- Leak detectors, Helium
- Research and development
- Backing turbomolecular pumps

DIMENSIONS



PERFORMANCE CURVES



1: Without gas ballast.
2: With gas ballast.

Available motor voltages:
• Low voltage version 110-115 V 50/60 Hz
• High voltage version 200-230 V 50/60 Hz

For ultimate vacuum figures, please consult the technical specification table on the front page.

