

Dry Vacuum Pumps Model PDV

Portable dry vacuum pumps



Provides for a clean, reliable vacuum for today's high tech manufacturing, semiconductor, thin film, photovoltaic, biomedical and pharmaceutical industries. Model PDV Dry Vacuum Pumps offers an oil free energy efficient solution for replacing scroll and oil pumps for clean applications. The PDV Series Dry Vacuum Pumps require no annual maintenance and offers a low cost of ownership and higher return on investment (ROI). The serial communication allows both remote monitoring and control to the PDV Series Dry Vacuum Pumps.

Applications

- Physical and chemical science
- Electron microscopes
- Mass spectrometers
- Surface analysis
- Leak detection systems
- Backing pumps for turbo pumps
- RGA
- Load lock vacuum
- etc.

Tell us your application and we will tell you if the PDV will work.

Customer Benefits

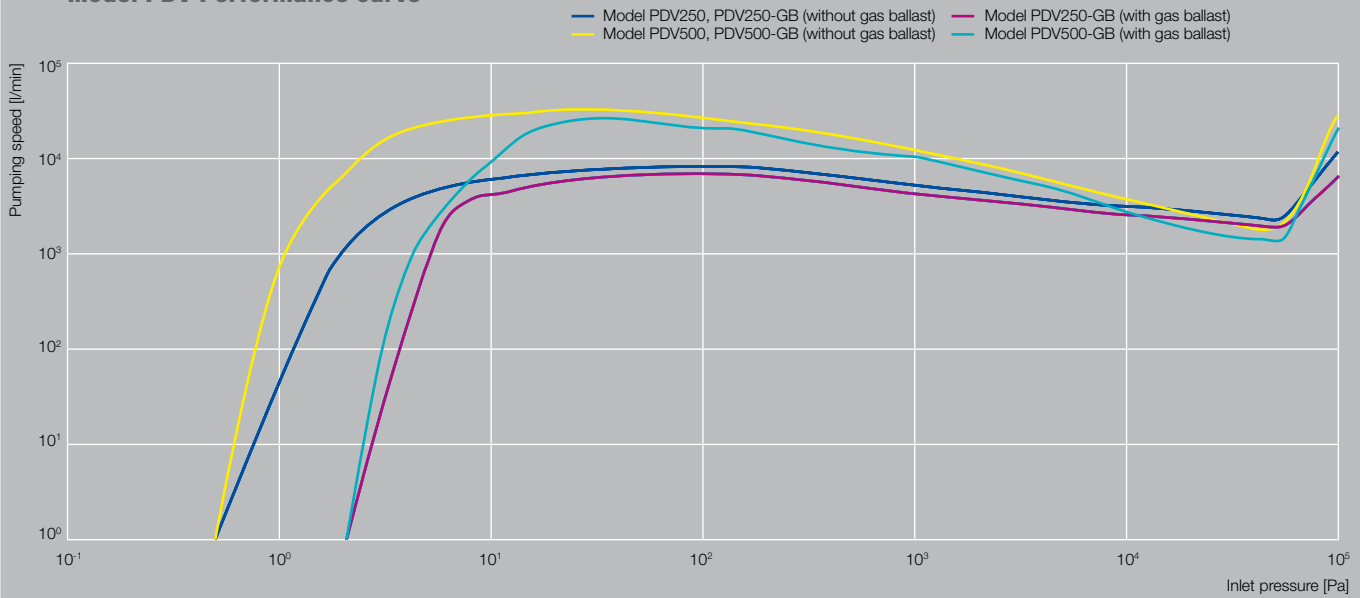
- **Oil Free**
No hydrocarbon issue in the system
- **Innovative frictionless design**
No particulate generation
- **Low noise level**
User friendly
- **Lowest ultimate pressure in its class**
Best vacuum for money
- **Air cooled**
No cooling water required
- **Non-contact rotor, no sealing exchange**
Long-lasting until maintenance required
- **Highly reliable due to EBARA's experience**
Long lifetime

Technical Data

Model		PDV250-GB	PDV500-GB
Pumping speed (N ₂)	[m ³ /h]	13.8	30
	[l/min]	230	500
Pumping speed with gas ballast (N ₂)	[m ³ /h]	12	25.8
	[l/min]	200	430
Ultimate pressure	[mbar]	5x10 ⁻³	5x10 ⁻³
	[Pa]	0.5	0.5
Ultimate pressure with gas ballast	[mbar]	2x10 ⁻²	2x10 ⁻²
	[Pa]	2	2
Voltage range	[V]	100–240 V, 50/60 Hz, single phase	
Power at ultimate pressure	[W]	240	270
Weight, approx.	[kg]	15	20
Sizes (LxWxH)	[mm]	168x442x273	185x467x305
Noise Level	[dB(A)]	58	58

Model PDV in this leaflet is our model code.

Model PDV Performance curve



Branch Offices

Great Britain

European Service Centre

2 Cochrane Square
Brucefield Ind. Park,
GB-Livingston, Great Britain
West Lothian EH54 9DR
Phone: +44 (1506) 46 02 32

France

14, rue du Bois Sauvage
F-91055 Evry
Phone: +33 (1) 60 87 00-00

Germany

Zur Wetterwarte 50, Haus 133
D-01109 Dresden
Phone: +49 (351) 888 57 60

Ireland

Mailstop IR6-2-1
FAB24 Collinstown Industrial Park
Leixlip, Co. Kildare
Phone: +351 (1) 606 71 63

Israel

5 Hatassia st.
POB 112
Migdal Haemek 23100
Phone: +972 (4) 834 39 66



European Headquarters

EBARA Precision Machinery Europe GmbH

Rodenbacher Chaussee 6
D-63457 Hanau
Germany
Tel.: +49-6181-1876-0
Email: info@ebara-pm.eu
Internet: www.ebara-pm.eu

