



Company

For 60 years PVR has been a leader providing high quality and reliable vacuum pumps. PVR means primarily trusted and advanced technologies, but also sustainable development for the stakeholders, environmental protection and focus on energy saving. The experience acquired during these years of activities, allows PVR to offer products and services that are always reliable and innovative.



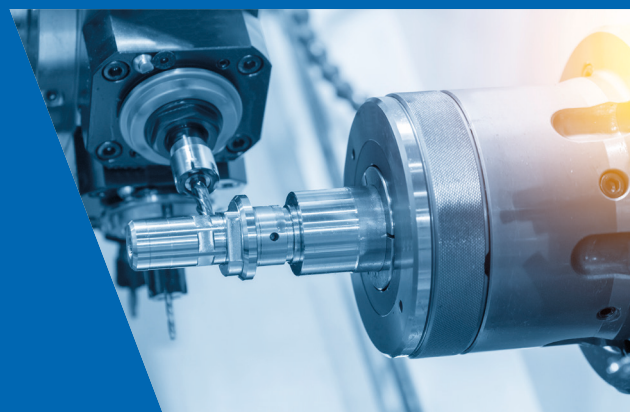
Provide trusted & advanced technologies



Machining Division

With a view to verticalization of its processes and increased capacity to provide more services to customers, PVR has had a specialized Machining Division for brass, steel, cast iron, stainless steel, and aluminum components since 2023.

Professionalism, experience, and quality characterise PVR Machining Division in the machining of numerous parts for vacuum pumps and components in the industrial, automotive, petrochemical, hydraulic, and electrical sectors.



Service

PVR guarantees a qualified advice for every inquiry thanks to its skilled technical/sales office that supports every project. The Service Department assists and advises our customers with scheduled maintenance, qualified overhauls and spare parts ready for delivery.



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012500-EN

Dual stage oil lubricated rotary vane pumps **PHV-K** Series



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PHV-K Series

Dual stage oil lubricated rotary vane pumps

Dual stage oil lubricated rotary vane pumps PHV-K series allow to achieve high vacuum and capacities, easy installation, operation and maintenance.
The pumps have been designed as backing pumps in several type of application.

Applications

Chemical processes
Degassing materials
Drying medicinal products
Solvent recovery systems
Distillation systems
Drying transformer systems
Transformer impregnation process
Lamps and bulbs
Semiconductors

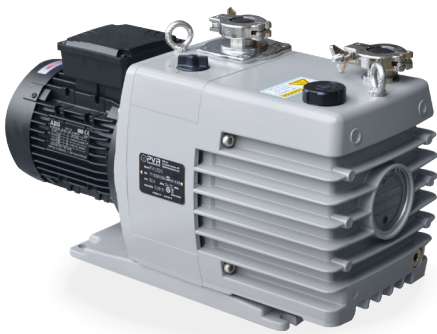
LCD panels
Leak detectors
Laboratories
Metallizing
Heat treatments
Mass spectrometry
Measurement instruments

			PHV 5K	PHV 10K	PHV 20K
Nominal pumping speed	m³/h	50 Hz	5	10	20
		60 Hz	6	12	24
Ultimate pressure (abs.)	mbar	1*	≤ 7X10 ⁻⁴	≤ 7X10 ⁻⁴	≤ 7X10 ⁻⁴
		2*	≤ 7X10 ⁻³	≤ 7X10 ⁻³	≤ 7X10 ⁻³
Water vapour tolerance	mbar		53	53	53
Water vapour pumping capacity	kg/h		0,2	0,4	0,8
Noise level	dB(A)	50 Hz	50	50	52
		60 Hz	50	50	52
Motor power	kW	50 Hz ~ 3	0,4	0,4	0,75
		60 Hz ~ 3	0,4	0,4	0,75
Motor speed	rpm	50 Hz	1450	1450	1450
		60 Hz	1750	1750	1750
Dimensions	L x B x H	mm	454x170x253	479x170x253	543x210x288
		50 Hz			
Total weight	kg	50 Hz ~ 3	21	22,5	38
		60 Hz ~ 3	21	22,5	38

1* Gas ballast closed / 2* Gas ballast open

Dual stage oil lubricated vacuum pumps

The technology of dual stage oil lubricated pumps is perfectly suited to both the medium vacuum of industrial applications and the finer one required by research applications. In fact, the wide range of models allows their use in all application areas of the market.



PHV 30K

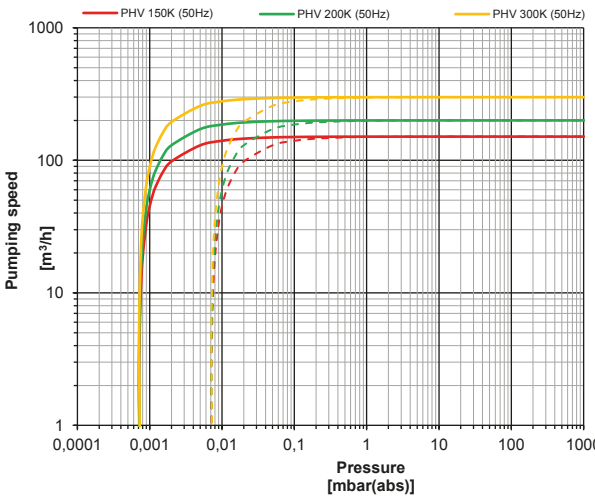
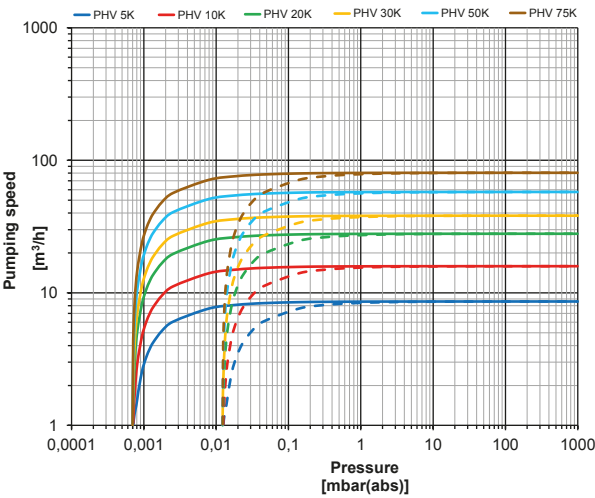


PHV 75K

Advantages

The dual stage oil lubricated rotary vane pumps PHV-K series allow to achieve higher vacuum and capacities, easy installation, operation and maintenance.
The PHV-K model is equipped with adjustable gas ballast valve capable of allowing the use of the pump specifically for the application.

PHV 30K	PHV 50K	PHV 75K	PHV 150K	PHV 200K	PHV 300K
30	50	75	150	200	300
36	60	90	180	240	360
≤ 7X10 ⁻⁴	≤ 7X10 ⁻⁴	≤ 7X10 ⁻⁴	≤ 7X10 ⁻⁴	≤ 7X10 ⁻⁴	≤ 7X10 ⁻⁴
≤ 7X10 ⁻³	≤ 7X10 ⁻³	≤ 7X10 ⁻³	≤ 7X10 ⁻³	≤ 7X10 ⁻³	≤ 7X10 ⁻³
53	53	53	20	35	20
1,2	2	3	1,7	2,2	2
52	56	56	72	74	75
52	56	56	72	74	75
0,75	1,5	2,2	4,0	5,5	7,5
0,75	1,5	2,2	4,0	5,5	7,5
1450	1450	1450	1450	1450	1450
1750	1750	1750	1750	1750	1750
576x210x288	709x250x370	791x280x415	943x360x450	1022x430x486	1122x430x486
41	68	84	138	200	225
41	68	84	138	200	225



———— Gas ballast closed
- - - - - Gas ballast open

