

Company

PVR continues the production of oil lubricated vacuum pumps which began in the Sixties, with the aid of new technologies, as requested from the market. The experience built in over 50 years, the development of new products, the modern production lines and a trained staff allow us to supply reliable and innovative products.



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Oil Lubricated Rotary Vane Vacuum Pumps **PVL/EU** Series



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 servicing qualified overhauls and spare parts promptly delivered.

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PVL/EU Series

Single stage rotary vane pumps

PVL/EU vacuum pumps offer high performance and quality levels. Their main features are high pumping speed in a range of absolute vacuum between 850 and 0.5 mbar, low noise level, no pollution, air-cooled, rugged construction, easy to service. They are used for pumping air also in presence of water vapour and for continuous industrial use.

Applications

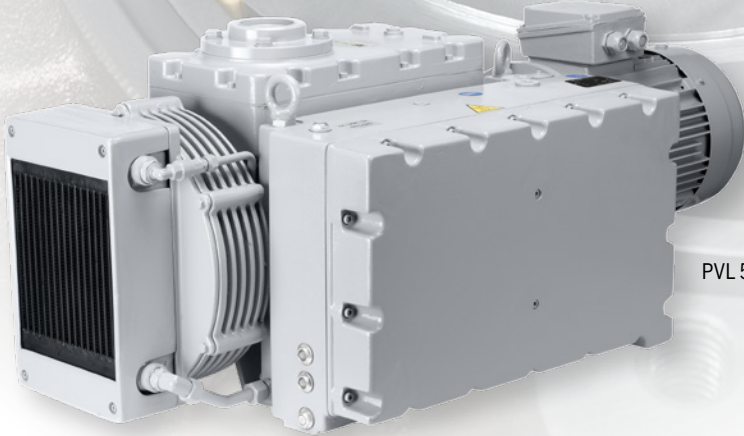
Packaging machines
Vacuum chambers
Thermoforming machines
De-aeration tunnels
Bottle fillings
Freezing chambers
Evisceration systems
Meat extruders
Dryers
Oil decontamination
Chemical processes

Degassing materials
Varnish mixers
Drying medicinal products
Pneumatic conveying plants
Solvent recovery systems
Distillation systems
Drying transformer systems
Motor/transformer impregnation process
Granule conveying systems
Plastic extruders
Pick & place systems

Solar panels
Hospital central vacuum
Autoclaves
Leak detectors
Laboratories
Ozone generators
Thermoforming packaging machines
Blister packaging machines
CNC routers
Metallizing
Heat treatments

Glass, ceramic and pottery industry
Marble and agglomerates
Water and soil remediation
Wood drying
Central vacuum systems
Lamps and bulbs
LCD panels

EU 650



PVL 541

			PVL 15	PVL 35	EU 45	EU 65	EU 105	EU 160	EU 205	EU 300	PVL 401	PVL 541	EU 650	EU 1000
Nominal pumping speed	m³/h	50 Hz	18	35	48	69	105	152	207	300	417	553	660	1033
		60 Hz	21	42	58	83	126	182	248	360	500	663	792	1239
Ultimate pressure (abs)	mbar	PVL - EU	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5
		PVL B - EU B	≤ 20	≤ 20	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10	≤ 0.5	≤ 10
Water vapour tolerance	mbar	50 Hz	30	30	30	30	30	30	30	30	30	30	30	30
Water vapour pumping capacity	kg/h	50 Hz	0.25	0.5	1	1.4	2.2	3	3.6	5	8	10	13	20
Motor power	kW	50 Hz	~ 3	0.55	0.75	1.1	1.5	2.2	3	4	5.5	7.5	11	15
			~ 1	0.75	1.1	1.5	2.2	-	-	-	-	-	-	-
		60 Hz	~ 3	0.75	1.1	1.5	2.2	3	4	5.5	7.5	11	15	18.5
			~ 1	0.75	1.1	1.5	2.2	-	-	-	-	-	-	-
Motor speed	min⁻¹	50 Hz	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1000	1000
		60 Hz	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1200	1200

			EU 107 H	EU 300 H	EU 650 H
Nominal pumping speed	m³/h	50 Hz	110	300	600
		60 Hz	130	360	790
Ultimate pressure (abs)	mbar	Gas ballast closed	≤ 0.1	≤ 0.1	≤ 0.1
		Gas ballast open	≤ 0.5	≤ 0.5	≤ 0.5
Water vapour tolerance	mbar		30	30	30
Water vapour pumping capacity	kg/h		2.2	5	13
Motor power	kW	50 Hz ~ 3	2.2	5.5	15
		60 Hz ~ 3	3	7.5	18.5
Motor speed	min⁻¹	50 Hz	1500	1500	1000
		60 Hz	1800	1800	1200

H Series

High vacuum oil lubricated vane vacuum pumps

The oil lubricated vacuum pumps of the EU H series allow to achieve higher capacity and higher vacuum levels. At 1 mbar the pumping speed of the series H with gas ballast valve closed is 80% higher than the one of an equivalent EU standard version.



EU 300 H

