



# Company

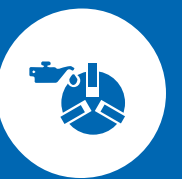
For 60 years PVR has been a leader providing high quality and reliable vacuum pumps. PVR means primarily trusted and advanced technologies, but also sustainable development for the stakeholders, environmental protection and focus on energy saving. The experience acquired during these years of activities,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



sevencom.it



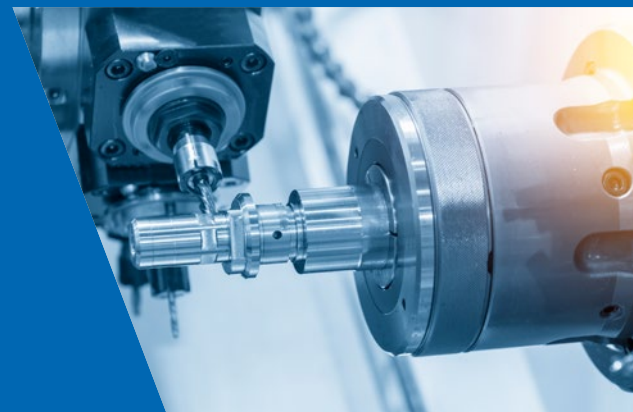
Provide trusted & advanced technologies



## 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.



**PVR Srl**

**HEADQUARTERS:**

Via Santa Vecchia, 107 - 23868 Valmadrera (LC), Italy

+39 0341 1918 51

sales@pvr.it

www.pvr.it

**SERVICE:**

+39 339 1495 976

service@pvr.it

**LOCAL UNIT:**

Via IV Novembre, 104F  
23868 Valmadrera (LC), Italy

**MACHINING DIVISION:**

Via Grandi, 12 Loc. Malpensata  
26866 Sant'Angelo Lodigiano (LO), Italy



012500-EN

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



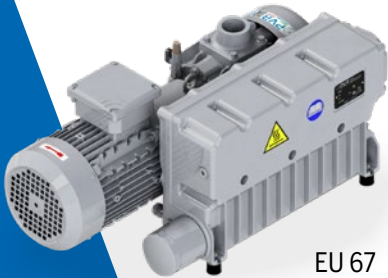
www.pvr.it



# 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 0,5 mbar and 850 mbar considering the wide range of PVL/EU Series. 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.



EU 67



PVL 541



EU 650



### 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

LCD panels
- Wood drying

Central vacuum systems

Lamps and bulbs

Marble and agglomerates

Water and soil remediation

			PVL 15	PVL 35	PVL 401	PVL 541
Nominal pumping speed	m³/h	50 Hz	17	35	417	553
		60 Hz	20	42	500	663
Ultimate pressure (abs.)	mbar	PVL - EU	≤ 0,5	≤ 0,5	≤ 0,5	≤ 0,5
		PVL B - EU B	≤ 20	≤ 20	≤ 10	≤ 10
Water vapour tolerance	mbar	50 Hz	30	30	30	30
Water vapour pumping capacity	kg/h	50 Hz	0,25	0,5	8	10
		60 Hz	0,34	0,68	11	13
Noise level	dB(A)	50 Hz	66	68	78	79
		60 Hz	67	69	79	80
Motor power	kW	50 Hz ~ 3	0,55	0,75	7,5	11
		60 Hz ~ 3	0,75	1,1	11	15
Motor speed	rpm	50 Hz	1500	1500	1500	1500
		60 Hz	1800	1800	1800	1800
Dimensions	L x B x H mm	50 Hz	380x260x222	460x296x271	1343x602x543	1490x602x543
		60 Hz	415x260x222	488x296x271	1418x602x543	1545x602x543
Total weight	kg	50 Hz ~ 3	23	38	319	356
		60 Hz ~ 3	26	40	363	361

\* Gas ballast open

next GENERATION		EU 47	EU 67	EU 105	EU 160	EU 205	EU 300	EU 650	EU 1000
Nominal pumping speed	m³/h	50	67	105	152	205	300	660	1033
		56	80	126	182	245	360	790	1239
Ultimate pressure (abs.)	mbar	≤ 0,1 ≤ 0,3*	≤ 0,1 ≤ 0,3*	≤ 0,5 ≤ 10	≤ 0,5 ≤ 10	≤ 0,5 ≤ 10	≤ 0,5 ≤ 10	≤ 0,5	≤ 0,5 ≤ 10
		30	30	30	30	30	30	30	30
Water vapour tolerance	mbar	1	1,5	2,2	3	3,6	5	15	20
		1,2	1,8	3	4	5	7	22,5	27
Noise level	dB(A)	61	62	67	71	70	71	73	80
		62	63	69	72	72	73	76	81
Motor power	kW	1,1	1,5	2,2	3	4	5,5	15	22
		1,5	1,8	3	4	5,5	7,5	18,5	30
Motor speed	rpm	1500	1500	1500	1500	1500	1500	1000	1000
		1800	1800	1800	1800	1800	1800	1200	1200
Dimensions	L x B x H mm	566x316x276	606x317x276	735x405x334	805x436x348	895x551x436	979x551x436	1436x823x653	1710x941x659
		566x316x276	629x317x276	735x405x334	814x436x348	944x551x436	1019x551x436	1481x823x653	1785x941x659
Total weight	kg	44	51	82	104	161	188	582	862
		45	53	86	110	171	192	612	922

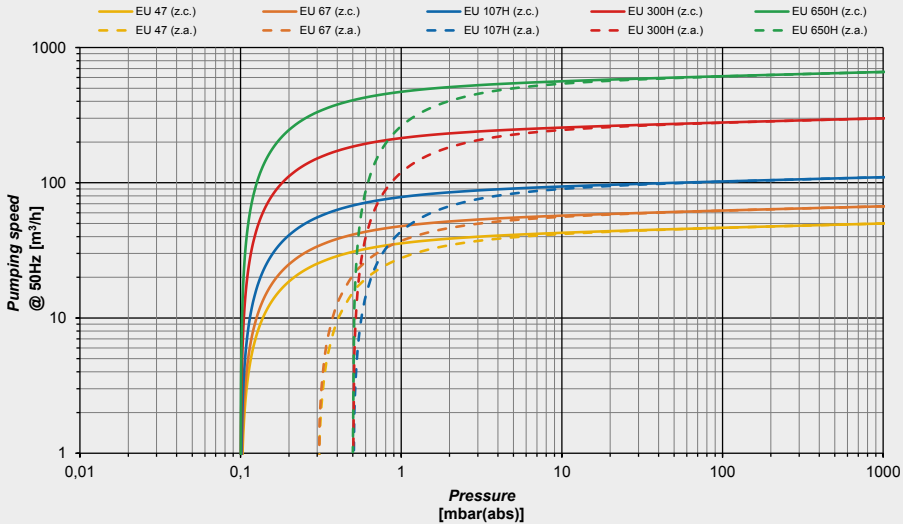


Scan to find out more

# EU 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 107 H	EU 300 H	EU 650 H
Nominal pumping speed	m³/h	50 Hz	110	300	660
		60 Hz	130	360	790
Ultimate pressure (abs.)	mbar	1*	≤ 0,1	≤ 0,1	≤ 0,1
		2*	≤ 0,5	≤ 0,5	≤ 0,5
Water vapour tolerance	mbar	50 Hz	30	30	30
Water vapour pumping capacity	kg/h	50 Hz	2,2	5	15
		60 Hz	3	7	22,5
Noise level	dB(A)	50 Hz	66	71	73
		60 Hz	68	73	76
Motor power	kW	50 Hz ~ 3	2,2	5,5	15
		60 Hz ~ 3	3	7,5	18,5
Motor speed	rpm	50 Hz	1500	1500	1000
		60 Hz	1800	1800	1200
Dimensions	L x B x H mm	50 Hz	718x406x327	979x551x436	1451x823x653
		60 Hz	750x406x327	1019x551x436	1481x823x653
Total weight	kg	50 Hz ~ 3	85	188	582
		60 Hz ~ 3	89	192	612

Also available in VFD version  
Variable Frequency Drive

1\* Gas ballast closed (g.c.)

2\* Gas ballast open (g.o.)

