



Company

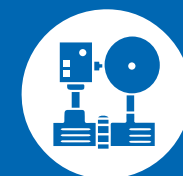
For 60 years PVR has been a leader providing high quality and reliable vacuum pumps. PVR means primarily trusted and advanced technologies, but also sustainable development for the stakeholders, environmental protection and focus on energy saving. The experience acquired during these years of activities,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



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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

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MACHINING DIVISION:

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26866 Sant'Angelo Lodigiano (LO), Italy



Vacuum Pump Systems GC - GV Series



www.pvr.it

042401-EN

GC Series

Compact vacuum systems

Given the proven performance and reliability of our oil lubricated vacuum pumps and HV Roots vacuum pumps we have designed compact pumping groups that conveniently combine high performance and reduced footprint.

The GC vacuum systems can be supplied with electric control panel compliant with EC standards, inlet filters and process control options. The systems with bypass valve (GC-BP) allow the Roots pump to start against atmospheric pressure.

The GC systems are also available in the version regulated by VFD (Variable Frequency Drive).

		GC 11.3-401	GC 11.4-541	GC 12.5-401	GC 12.6-541
Pump type	(1)	GMa11.3HV	GMa11.4HV	GMa12.5HV	GMa12.6HV
	(2)	PVL401	PVL541	PVL401	PVL541
Nominal pumping speed	m ³ /h				
	50 Hz	452	655	860	1200
	60 Hz	542	786	1030	1440
Ultimate pressure	mbar	$\leq 2 \times 10^{-2}$	$\leq 2 \times 10^{-2}$	$\leq 2 \times 10^{-2}$	$\leq 2 \times 10^{-2}$
Motor power	kW				
	50 Hz	2,2+7,5	3+11	4+7,5	5,5+11
	60 Hz	2,2+11	3+15	4+11	5,5+15
Noise level	dB(A)				
	50 Hz	79	79	79	80
	60 Hz	80	80	80	81
Weight	kg				
	50 Hz	435	505	535	610
	60 Hz	474	537	589	642

(1) Roots pump / (2) Vane vacuum pump / *Value reached in combination with our H pump series.

GC 12.6-541



GC 13.f7-650

GC 12.6-650	GC 13.f7-650	GC 13.8-650	GC 12.5BP-401	GC 12.6BP-541
GMa12.6HV	GMa13.f7HV	GMa13.8HV	GMa12.5HV/BP	GMa12.6HV/BP
EU650M	EU650M	EU650M	PVL401	PVL541
1430	2000	2890	860	1200
1720	2400	3465	1030	1440
$\leq 2 \times 10^{-2}$ ($\leq 7 \times 10^{-3}$)*	$\leq 2 \times 10^{-2}$ ($\leq 7 \times 10^{-3}$)*	$\leq 2 \times 10^{-2}$ ($\leq 7 \times 10^{-3}$)*	$\leq 2 \times 10^{-2}$	$\leq 2 \times 10^{-2}$
5,5+15	7,5+15	11+15	3+7,5	4+11
5,5+18,5	7,5+18,5	11+18,5	3+11	4+15
76	77	78	79	80
78	79	80	80	81
867	919	1051	542	630
936	985	1139	588	676



Also available in VFD version
Variable Frequency Drive

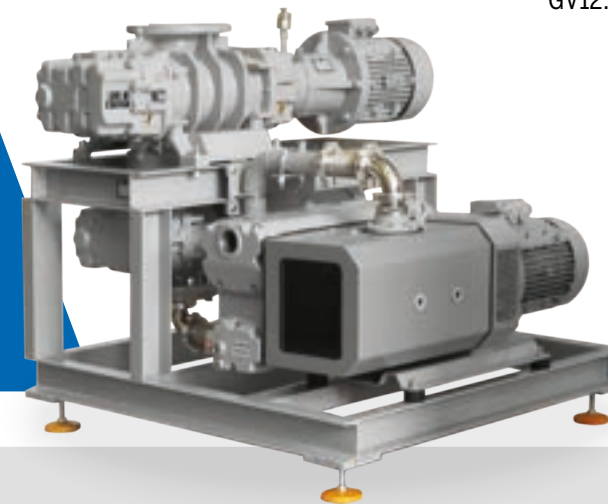
GV Series

Vacuum systems

Vacuum systems have been designed for those customers who need to couple vane vacuum pumps to Roots pumps. This solution allows to achieve higher capacity with higher ultimate pressure (up to 7×10^{-3} mbar) in a relatively small space. Technical features of the system can be tailor-made according to customer's requirements.

PVR can develop vacuum systems choosing among the different technologies of the pumps of its production with ad hoc solutions. The GV systems are also available in the version regulated by VFD (Variable Frequency Drive).

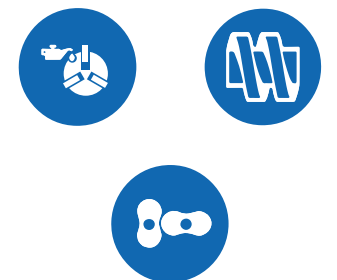
GVZ 12.6-11.3 S300



GV12.6-350S



Available Technologies:



Applications

Packaging machines
Vacuum chambers
Thermoforming machines
Deaeration tunnels

Freezing chambers
Dryers
Oil decontamination
Chemical processes

Leak detectors
Laboratories
Metallizing
Heat treatments

Lamps and bulbs
Solar panels
LCD panels
Autoclaves

Degassing materials
Solvent recovery systems
Distillation systems
Drying transformer systems

Centralized vacuum plants
Motor/transformer impregnation process

