



Company

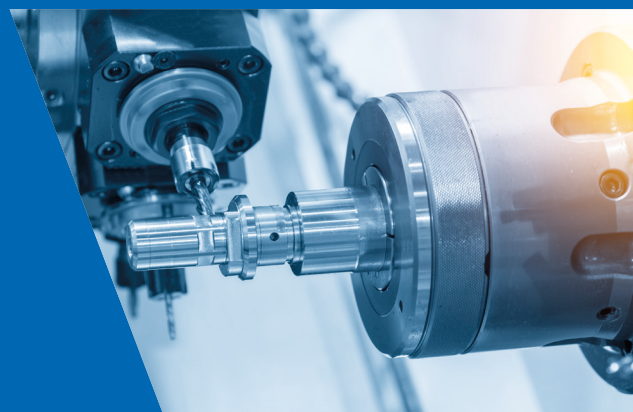
For 60 years PVR has been a leader providing high quality and reliable vacuum pumps. PVR means primarily trusted and advanced technologies, but also sustainable development for the stakeholders, environmental protection and focus on energy saving. The experience acquired during these years of activities,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



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:

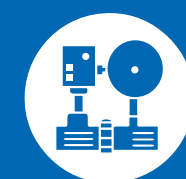
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042401-EN



Provide trusted & advanced technologies



Vacuum Pump Systems CSKZ/CDKZ/CTKV MEDISYSTEM



www.pvr.it

CSKZ/CDKZ/CTKV Series

Central vacuum systems

PVR offers a wide range of central vacuum systems including vessel and either one, two or three vacuum pumps. COMPACT AND MODULAR Our central vacuum systems are offered with horizontal or vertical vessel, to optimize the available footprint. Customized central vacuum systems with different characteristics than those shown on the standard catalogue are available on request.

Applications

- Bottle fillings

Evisceration systems

Meat extruders

Pneumatic conveying plants

Solvent recovery systems

Distillation systems
- Granule conveying systems

Plastic extruders

Pick & place systems

Autoclaves

Cosmetic industries
- Laboratories

CNC routers

Marble and agglomerates

Water and soil remediation

Printing machines
- Hospital central vacuum systems

Blister packaging machines

Glass, ceramic and pottery industry

Single pump system			CSKZ 100-15	CSKZ 100-35	CSKZ 500-45	CSKZ 500-65	CSKZ 500-105	CSKZ 500-160	CSKZ 500-205	CSKZ 500-300
Nominal pumping speed	m³/h	50 Hz	18	35	48	69	105	152	207	300
		60 Hz	21	42	58	83	126	182	248	360
Ultimate pressure (abs)	mbar	PVL - EU	≤ 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
Tank capacity	I		100	100	500	500	500	500	500	500
Motor power	kW	50 Hz	0,55	0,75	1,1	1,5	2,2	3	4	5,5
		60 Hz	0,75	1,1	1,5	2,2	3	4	5,5	7,5

Double pump system			CDKZ 500-15	CDKZ 500-35	CDKZ 500-45	CDKZ 500-65	CDKZ 500-105	CDKZ 500-160	CDKZ 1000-205	CDKZ 1000-300
Nominal pumping speed	m³/h	50 Hz	2x18	2x35	2x48	2x69	2x105	2x152	2x207	2x300
		60 Hz	2x21	2x42	2x58	2x83	2x126	2x182	2x248	2x360
Ultimate pressure (abs)	mbar	PVL - EU	≤ 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
Tank capacity	I		500	500	500	500	500	500	1000	1000
Motor power	kW	50 Hz	2x0,55	2x0,75	2x1,1	2x1,5	2x2,2	2x3	2x4	2x5,5
		60 Hz	2x0,75	2x1,1	2x1,5	2x2,2	2x3	2x4	2x5,5	2x7,5

CSKZ 500-100D



OUTER INVERTER



CSKZ500-300 HWT VFD



Also available in VFD version
Variable Frequency Drive

Compact and modular vacuum systems

PVR designs and manufactures compact and modular vacuum systems capable of offering a series of qualified solutions for the most demanding customers, offering a rapid delivery time and an extremely reliable product.

- Advanced control and supervision logic
- Touch-screen operator panel
- Possibility of remote controls and signals
- Possibility of connections to corporate networks, VPNs and clouds.
- Data transmission with standard protocol (ModBus TCP/IP, RTU, ...)
- Compact systems with integrated tank / bypass/ GFB / Electric control panel

Available Technologies:



MEDISYSTEM Series

Central vacuum systems for medical application

The MEDISYSTEM series meets the requirements of all those medical structures, such as hospitals, clinics, nursing homes, analysis and laboratories. MEDISYSTEM groups have been designed according to EN ISO 7396-1 standards. They are available either in the compact version with two pumps or with three pumps. They are able to assure the continuity of operations also in case of emergency. The vacuum tank with vacuum switches, control panel, antibacterial filters with bypass and other accessories can be supplied on demand.



CTKV500-15B/H+GFB

CTKV 1000-205/H



Applications

Hospital central vacuum systems

			CTKV 500 - 15 B/H	CTKV 500 - 45 B/H	CTKV 500 - 65 B/H	CTKV 1000 - 105 B/H	CTKV 1000 - 160 B/H	CTKV 1000 - 300 B/H
Nominal pumping speed	m³/h	50 Hz	3x18	3x48	3x69	3x105	3x152	3x300
		60 Hz	3x21	3x58	3x83	3x126	3x182	3x360
Ultimate pressure (abs)	mbar		≤ 20	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10
Tank capacity	I		500	500	500	1000	1000	1000
Motor power	kW	50 Hz	3x0,55	3x1,1	3x1,5	3x2,2	3x3	3x5,5
		60 Hz	3x0,75	3x1,5	3x2,2	3x3	3x4	3x7,5

Central vacuum systems for medical application

Medisystem series is specifically designed and built to meet the demands of medical vacuum applications in hospitals and laboratories.

- Control logic according to EN ISO 7396- 1 standards
- Antibacterial filters group
- Double control panel with integrated operator panel
- Touch-screen operator panel
- Possibility of remote controls and signals
- Possibility of connections to corporate networks, VPNs and cloud.
- Data transmission with standard protocol (ModBus TCP/IP, RTU, ...)
- Compact systems with integrated tank and fitted with bypass.

