

# Company

PVR continues the production of 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.



sevencom.it



Provide trusted & advanced technologies

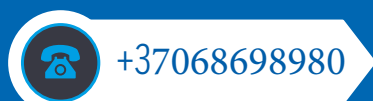
## Vacuum Pump Systems **CSKZ/CDKZ/CTKV** **MEDISYSTEM**



## 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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# 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 foodprint. 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
- Hospital central vacuum systems

Autoclaves

Cosmetic industries

Laboratories

Blister packaging machines

CNC routers

Glass, ceramic and pottery industry

Marble and agglomerates
- Water and soil remediation

Printing machines



CSKZ500-65

| 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           | l    |              | 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        | 12x83       | 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           | l    |              | 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         |



CDKZ500-35

# 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



CSKZ500-100D

# MEDISYSTEM Series

## Central vacuum systems for hospital

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 (vacuum tank with vacuum switches, control panel, antibacterial filters with bypass and other accessories can be supplied on demand).

### Applications

Hospital central vacuum systems

MEDISYSTEM can be supplied as turnkey or as single component for the integration of already existing plant.



CTKV1000-300/H



|                         |      |       | CTKV 500-15 B/H | CTKV 500-45 B/H | CTKV 500-65 B/H |
|-------------------------|------|-------|-----------------|-----------------|-----------------|
| Nominal pumping speed   | m³/h | 50 Hz | 3x18            | 3x48            | 3x69            |
|                         |      | 60 Hz | 3x21            | 3x58            | 3x83            |
| Ultimate pressure (abs) | mbar |       | ≤ 20            | ≤ 10            | ≤ 10            |
| Tank capacity           | l    |       | 500             | 500             | 500             |
| Motor power             | kW   | 50 Hz | 3x0.55          | 3x1.1           | 3x1.5           |
|                         |      | 60 Hz | 3x0.75          | 3x1.5           | 3x2.2           |

|                         |      |       | CTKV 1000-105 B/H | CTKV 1000-160 B/H | CTKV 1000-300 B/H |
|-------------------------|------|-------|-------------------|-------------------|-------------------|
| Nominal pumping speed   | m³/h | 50 Hz | 3x105             | 3x152             | 3x300             |
|                         |      | 60 Hz | 3x126             | 3x182             | 3x360             |
| Ultimate pressure (abs) | mbar |       | ≤ 10              | ≤ 10              | ≤ 10              |
| Tank capacity           | l    |       | 1000              | 1000              | 1000              |
| Motor power             | kW   | 50 Hz | 3x2.2             | 3x3               | 3x5.5             |
|                         |      | 60 Hz | 3x3               | 3x4               | 3x7.5             |