

# Oil-Free Piston Vacuum Pumps

Chemvak V series vacuum pump is a piston-powered, oil-free pump. With innovative electronic, mechanical technology and human design concept make, compact and light weight, clean and maintenance free, safe and comfortable.

## Features

### No air pollution, maintenance free

Chemvak V series pumps are driven by Piston, without the need of lubricant, regular oil changes and maintenance; with no oil pollution.

### Moisture trap with filter cartridge

Chemvak V series pumps are equipped with filter cartridge in air inlet to filter particle and moisture to prolong the life of pump.

### Vacuum regulator

Chemvak V series pumps are equipped with vacuum regulator to adjust vacuum.

### Thermal protection device

Every motor of Chemvak V series pumps has a built-in thermal protection device to shut off the pump automatically when overheated and then resume working when the temperature cools down.

## Application Areas

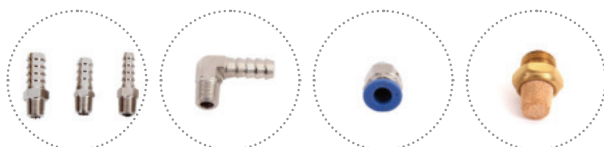
- Biology laboratories
- Food industry
- Microbiological detection
- Vacuum extraction
- Liquid filtration
- Vacuum drying
- Suspended solids measurement

## Specifications

| Model                  | V400        |          |
|------------------------|-------------|----------|
| Power ( V / Hz )       | 115 / 60    | 220 / 50 |
| Max. power ( W )       | 100         | 80       |
| Max. current ( A )     | 1.2         | 0.4      |
| Max. vacuum (mbar)     | 100         |          |
| Max. flow rate (L/min) | 37          | 34       |
| Motor rotation (RPM)   | 1700        | 1450     |
| Port thread (mm)       | 9           |          |
| Dimension WxDxH(mm)    | 310x152x165 |          |
| Weight (kg)            | 5.4         |          |
| Noise level (dB)       | 50          |          |
| Order No.              | 167400      |          |

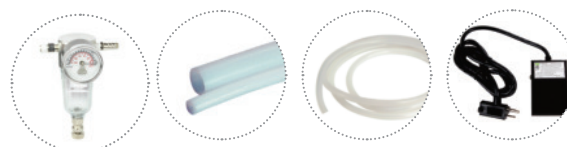


## Accessories For Oil-Free Piston Pumps



### Connectors / Silencer

| Description                     | Order No. |
|---------------------------------|-----------|
| <b>Connectors</b>               |           |
| Outlet Diameter 9.5 mm          | 167300-20 |
| Outlet Diameter 8 mm            | 167300-21 |
| Outlet Diameter 6.4 mm          | 167300-26 |
| Outlet Diameter 4.8 mm          | 167300-23 |
| Outlet Diameter 3.2 mm          | 167300-24 |
| <b>L- Shape Connector</b>       |           |
| Outlet Diameter 8 mm            | 167300-25 |
| <b>Quick Connection Outlets</b> |           |
| Outlet Diameter 12 mm           | 168100-12 |
| Outlet Diameter 10 mm           | 168100-10 |
| Outlet Diameter 8 mm            | 168100-08 |
| Outlet Diameter 6 mm            | 168100-06 |
| Outlet Diameter 4 mm            | 168100-04 |
| <b>Silencer</b>                 |           |
| Applicable to V300/400/410      | 167300-42 |



### Non-Chemical-Resistant Filtration Device/ Foot Pedal

| Description  | Order No. |
|--|-----------|
| Non-Chemical-Resistant Filtration Device                                       |           |
| Non-Chemical-Resistant Filtration Device Set 1 (incl. pressure gauge)          | 167300-05 |
| Non-Chemical-Resistant Filtration Device Set 2 (does not incl. pressure gauge) | 167300-06 |
| <b>Foot Pedal</b>  |           |
| Applicable to C and V Series Vacuum Pumps                                      | 167200-41 |

### Tubing

| Order No.                     | Outer Diameter<br>mm | Inner Diameter<br>mm | Thickness<br>mm | Length<br>m |
|-------------------------------|----------------------|----------------------|-----------------|-------------|
| <b>PTFE Tubes</b>             |                      |                      |                 |             |
| 168010-01                     | 6                    | 4                    | 1               | 1           |
| 168011-01                     | 8                    | 6                    | 1               | 1           |
| 168012-01                     | 10                   | 8                    | 1               | 1           |
| 168013-01                     | 12                   | 10                   | 1               | 1           |
| <b>Silicon Tubes</b>          |                      |                      |                 |             |
| 168020-01                     | 12                   | 6                    | 3               | 1           |
| 168021-01                     | 14                   | 8                    | 3               | 1           |
| 168022-01                     | 16                   | 10                   | 3               | 1           |
| Length upon request (min. 1m) |                      |                      |                 |             |