# Leybold

## CVS Central Vacuum Stations

Modular, ready-to-operate systems for varying vacuum demands with BASIC control



### **Vacuum Expertise for**

#### **SOGEVAC Central Vacuum Stations**

cover the demands of numerous small vacuum consumers, increasing the availability of the vacuum service. CVS Central Vacuum Stations provide the essential performance and reliability to succeed under challenging production conditions.





Vacuum pumps and system solutions provided by Leybold always deliver first rate performance, thus ensuring the optimum operating pressure, cycle time and system availability in harsh industrial applications.

### Modular turn-key solutions

### **Central Vacuum Stations**

#### Technical Features

- Typically consisting of
  - up to 3 SOGEVAC pumps (from 25 to 300 m³/h)
  - buffer vessel
  - manual valve
  - dust filter at the pump inlet
  - pressure gauge/sensor
  - two-stage pressure controller
  - electrical cabinet with controller
  - all connecting components
- Pumping speed 25 to 840 m³/h
- Ultimate pressure ≤ 0.5 mbar
- Vessel volume 60, 160, 300, 500 or 1000 liters
- Electric power from 0.8 to 18.9 kW
- Control type BASIC

#### Benefits

- Industrial grade vacuum generator consisting of proven SOGEVAC single-stage rotary vane vacuum pumps
- Covers the demands of numerous small vacuum consumers
- Modular design, customized to customer specific processes
- Simple to operate
- Space-saving system solution
- High return on investment, excellent price-to-performance ratio
- Energy saving capabilities
- Low cost of ownership
- Cycle time reduction due to the buffer volume (infinite pumping speed effect)
- Complete turn-key systems, ready for operation

### SOGEVAC Vacuum Pumps

### The core piece of every CVS Central Vacuum Station

- Proven industrial vacuum pumps
- High pumping speed to footprint ratio by compact design
- No oil emissions
- Lowest cost of ownership due to easy maintenance and minimized after-sales costs
- Lowest noise level for rotary vane pumps available on the market
- 400 V, 50 Hz / 460 V, 60 Hz versions available
- Proven SOGEVAC design with manual gas ballast and oil filter

### your vacuum requirements in Industrial Processes





### Typical Applications

- General applications demanding vacuum:
  - Transportation
  - Handling / lifting
  - Degassing
  - Automation (pick and place)
- Automotive industry
  - Thermoforming
  - Break filling, degassing
- Composites manufacturing
  - Resin Transfer Moulding (RTM)
- Vacuum pressing, like rubber, plastics, gaskets
- Food packaging/food processing
  - Vacuum filling
  - Thermoforming
  - Vacuum transportation, handling, lifting
  - Tray sealing / MAP packaging
  - Degassing
- Hospitals/Medical engineering
  - Bacteriological filters

#### **Application Example RTM**

For some processes in the manufacture of composite materials it is necessary to have two different pressure levels, Resin Transfer Moulding (RTM) require a vacuum to close the mould while an adjustable vacuum level is used for the resin impregnation step.

SOGEVAC Central Vacuum Stations provide the performance and reliability essential to success under challenging production conditions.

#### **Composites industry**



#### **Plastics manufacturing**



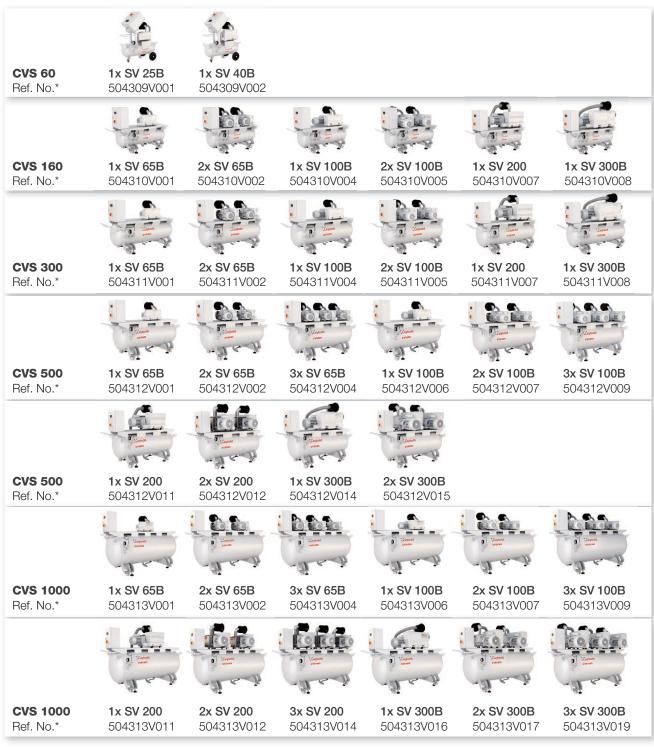
#### Food packaging



### **CVS Central Vacuum Stations**

### The full range for any vacuum demand

**Designation** No. and type of SOGEVAC rotary vane vacuum pump(s):



\* with basic control. Further versions with full-featured control are available on request.

## Leybold

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