

VACUUM TECHNOLOGY

1. VACUUM PUMPS

a. VACSTAR lite, Cat.No., 0020124926



VACSTAR lite is a speed-controlled, 2-cylinder vacuum pump for universal use in dry and oil-free vacuum applications. Equipped with chemically resistant membranes and an ultimate vacuum pressure of 9 mbar, this vacuum pump is ideal for almost all standard vacuum applications in the laboratory.

Technical Data

- Pump rate max. (50/60Hz) : 1 m³/h
- Pump rate max. (50/60Hz) : 16.67 l/min
- Final pressure without gas ballast : 9 mbar
- Suction levels : 2
- Cylinder : 2
- Connection diameter suction side : 8 mm
- Connection diameter pressure side : 8 mm
- Input pressure : 10 - 1030 mbar
- Speed range : 285 - 1100 rpm
- Speed (50Hz) : 1100 rpm
- Speed (60Hz) : 1100 rpm
- Nominal speed : 1100 rpm
- Display : LED line
- Noise at low. pressure : 54 dB(A)
- Material in contact with medium : Al₂O₃; PTFE; FFPM; PPS; NBR
- Housing material : alu-cast coating / thermoplastic polymer
- Dimensions (W x H x D) : 115 x 292 x 280 mm
- Weight : 8.5 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 80% (up to 31°C), decreasing linearly to max. 50 (@40°C)
- Protection class according to DIN EN 60529 : IP 20
- USB interface : USB-C
- Analog input : yes
- Voltage : 100 - 240 V
- Frequency : 50/60 Hz
- Power input : 120 W
- Power input standby : 1.5 W
- Fuse : 2x T4A 250V

b. VACSTAR digital, Cat.No., 0020016236



The four-chamber membrane vacuum pump convinces with its high suction capacity, low space requirement and high serviceability. The setting of the parameters is carried out through a rotary-push button over a digital display showing current rpm.

Scope of delivery

- Vacuum hose (1 m)
- Silencer
- USB A-B Cable
- connecting cable

Technical Data

- Pump rate max. (50/60Hz) : 1.32 m³/h
- Pump rate max. (50/60Hz) : 22 l/min
- Final pressure without gas ballast : 2 mbar
- Suction levels : 4
- Cylinder : 4
- Connection diameter suction side : 8 mm
- Connection diameter pressure side : 8 mm
- Input pressure : 2 - 1030 mbar
- Two-point control : yes
- Analog speed vacuum control : yes
- Speed adjustment : Turning knob
- Speed range : 285 – 1200 rpm
- Display : LED
- Noise at low. pressure : 54 dB(A)
- Material in contact with medium : Al₂O₃; PTFE; FFPM; PPS; NBR
- Housing material : alu-cast coating / thermoplastic polymer
- Dimensions (W x H x D) : 150 x 375 x 370 mm
- Weight : 11.5 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 80% (up to 31°C), decreasing linearly to max. 50 (@40°C)
- Protection class according to DIN EN 60529 : IP 20
- RS 232 interface : yes
- USB interface : USB-B
- Analog input : yes
- Voltage : 100 - 240 V
- Frequency : 50/60 Hz
- Power input : 130 W

- Power input standby : 3 W

2. VACUUM PUMPS WITH CONTROLLER

a. VACSTAR control, Cat.No., 0020109375



Separation, filtration, removal: The VACSTAR dry 4-chamber membrane vacuum pump is powerful, resistant to chemicals and low-maintenance. VACSTAR control is the ideal system with its integrated vacuum controller and removable display. The controller offers a suitable mode for the desired process: from automatic to manual operation, right through to pumping or an evacuation and cleaning function. VACSTAR has an excellent suction performance, with its 22 l/min at a minimum of 2 mbar.

Scope of delivery

- WiCo VACSTAR control
- Vacuum hose (1 m)
- WH11
- OS 1.0 WiCo power supply unit
- USB Cable - USB A to Micro-B, 2 m
- USB A-B Cable
- Screw driver

Technical Data

- Pump rate max. (50/60Hz) : 1.32 m³/h
- Pump rate max. (50/60Hz) : 22 l/min
- Final pressure without gas ballast : 2 mbar
- Suction levels : 4
- Cylinder : 4
- Connection diameter suction side : 8 mm
- Connection diameter pressure side : 8 mm
- Input pressure : 2 - 1030 mbar
- Boiling point detection : yes
- Solvent library : yes
- Analog speed vacuum control : yes
- Speed adjustment : Turning knob
- Speed range : 285 – 1200 rpm
- Display : TFT
- Pressure unit / scale : mbar, hPa, mmHg, Torr
- Vacuum sensor : yes
- Vacuum sensor type : ceramic Al₂O₃
- Pressure max. for pressure sensor : 1.2 bar
- Measurement range (absolute) min. : 1 mbar
- Measurement range (absolute) max. : 1030 mbar
- Control range min. : 1 mbar

- Control range max. : 1030 mbar
- Resolution pressure : 1 mbar
- Measurement uncertainty : 1 mbar
- Venting valve : yes
- Condensate trap : yes
- Emission condenser : yes
- Timer : yes
- Noise at low. pressure : 54 dB(A)
- Material in contact with medium : Al₂O₃; PTFE; FFPM; PPS; NBR
- Housing material : alu-cast coating / thermoplastic polymer
- Mode automatic :yes
- Mode manual : yes
- Mode pump % : yes
- Mode program : yes
- Dimensions (W x H x D) : 270 x 435 x 500 mm
- Weight : 14 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 80% (up to 31°C), decreasing linearly to max. 50 (@40°C)
- Protection class according to DIN EN 60529 : IP 20
- RS 232 interface : yes
- USB interface : USB-B
- Analog input : yes
- Voltage : 100 - 240 V
- Frequency : 50/60 Hz
- Power input : 140 W
- Power input standby : 1.5 W