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VACSTAR control

/// Data Sheet

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.

High-performance suction
VACSTAR has an excellent suction performance, with its 22 l/min at a minimum of 2 mbar.

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Integrated vacuum controller with removable controller (WiCo)
Depending on the application, you can easily select your operating mode either by using the intuitive operator menu or by remote control.

For additional safety for users and environment, we recommend using the VSE 1 vacuum safety emission condenser, which prevents solvents from being released into the room air. The VSE 1 is available as accessory.

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

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Technical Data

Pump rate max. (50/60Hz) [m³/h]	1.32
Pump rate max. (50/60Hz) [l/min]	22
Final pressure [mbar]	2
Suction levels	4
Cylinder	4
Connection diameter suction side [mm]	8
Connection diameter pressure side [mm]	8
Input pressure [mbar]	2 - 1030
Boiling point detection	yes
Solvent library	yes
Analog speed vacuum control	yes
Speed adjustment	Turning knob
Speed range [rpm]	285 - 1200
Display	TFT
Pressure unit / scale	mbar, hPa, mmHg, Torr
Vacuum sensor	yes
Vacuum sensor type	ceramic Al2O3
Pressure max. for pressure sensor [bar]	1.2
Measurement range (absolute) [mbar]	1 - 1030
Control range [mbar]	1 - 1030
Resolution pressure [mbar]	1
Measurement uncertainty [mbar]	1
Venting valve	yes
Condensate trap	yes
Emission condenser	yes
Timer	yes
Noise at low. pressure [dB(A)]	54
Material in contact with medium	Al2O3, PTFE, FPM, PPS
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) [mm]	270 x 435 x 500
Weight [kg]	14
Permissible ambient temperature [°C]	5 - 40
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
Voltage [V]	100 - 240
Frequency [Hz]	50/60
Power input [W]	140
Power input standby [W]	1.5