



designed for scientists



IKA 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 WiCo

Depending on the application, you can easily select your operating mode either by using the intuitive operator menu or by remote control.

Protects user and environment

The VACSTAR system includes a downstream vacuum safety emission condenser (VSE1). This reliably protects laboratory employees and the environment from harmful exhaust air.

Technical Data

Pump rate max. (50/60Hz) [m³/h]	1.32
Pump rate max. (50/60Hz) [l/min]	22
Final pressure without gas ballast [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 control	Turning knob
Speed range [rpm]	285 - 1200
Display	TFT
Pressure unit / scale	mbar, hPa, mmHg, Torr
Vacuum sensor	yes
Vacuum sensor type	ceramic Al ₂ O ₃
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	Al ₂ O ₃ , 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]	19
Permissible ambient temperature [°C]	5 - 40
Permissible ambient conditions	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	yes
Voltage [V]	100 - 240
Frequency [Hz]	50/60
Power input [W]	140
Power input standby [W]	1.5