

IKA

designed for scientists

EN



VACUUMING | IKA VACSTAR digital and control

imLab



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Vacuum pump VACSTAR

/// Fully automatic vacuum with an emission condenser

Separation, filtration, removal: The VACSTAR dry 4-chamber membrane vacuum pump is powerful, resistant to chemicals and low-maintenance. VACSTAR digital enables you to construct your own laboratory vacuum system in which you can switch any number of vacuum controllers in series according to the application. If 1:1 solutions are your objective, VACSTAR control is the ideal system with its integrated vacuum controller and removable display. The controller offers a suitable mode for the desired process in both cases: 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.

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.

Rpm-regulated operation

All parameters can be set up over a user-friendly display using the rotary pushbutton.

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.



VACSTAR digital
Ident.-No. 0020016236

VACSTAR control
Ident.-No. 0020019065

Technical data VACSTAR digital and control

TECHNICAL DATA VACSTAR DIGITAL AND CONTROL

Pump rate max. (50/60Hz)	1.32 m ³ /h
Pump rate max. (50/60Hz)	22 l/min
Final pressure without gas ballast	2 mbar
Connection diameter suction side	8 mm
Connection diameter pressure side	8 mm
Input pressure min.	2 mbar
Input pressure max.	1,030 mbar
Two-point control	Yes
Analog speed vacuum control	Yes
Speed	min. 285 rpm max. 1, 200 rpm
Display	LED
Noise at min. pressure	54 dB(A)
Material in contact with medium	Al ₂ O ₃ ; PTFE; FPM; PPS; NBR
Housing material	Alu-cast coating/ -thermoplastic polymer

GENERAL DATA

Weight	11.5 kg
Dimensions (W × H × D)	150 × 375 × 370 mm
Permissible ambient temperature	5 – 40 °C
Permissible relative humidity	80 %
Voltage	230 V
Protection class according to DIN EN 60529	IP 20
Interfaces	USB; RS 232
Voltage	100 – 240 V
Power input	130 W
Power input standby	3 W

TECHNICAL DATA VACSTAR CONTROL

Integrated vacuum controller	Yes
Operating modes	Automatic Manual Pump % Program
Solvent library	Yes
Emission condenser	Yes
Condensation trap	Yes



Additional products

If required, the following IKA devices are available for your lab to enhance vacuum operations with VACSTAR:



RV 10 auto V
Rotary evaporator
Ident. No. 0010003472



LR 1000 control
Laboratory reactor
Ident. No. 00010001035



HRC 2 basic
Refrigerated and heating circulator
Ident. No. 0025003742

Accessories VACSTAR



VSW 1
Vacuum safety woulf bottle
Ident. No. 0020015406



VSE 1
Vacuum safety emission condenser
Ident. No. 0035001873



VC 10 Vacuum controller
Universal vacuum controller for multiple vacuum sources. With an integrated, chemical resistant ceramic pressure sensor.
Ident. No. 0020005132

Find more accessories on
www.imlab.eu