

# IKA

designed for scientists

EN



VACUUMING | IKA VACSTAR digital and control

## 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 <sup>3</sup> /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 <sub>2</sub> O <sub>3</sub> ; PTFE; FFPM; 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.ika.com](http://www.ika.com)