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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 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

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Москва
ул. Магаданская, д. 7, к. 3 ■ тел./факс: (495) 745-0508 ■ sales@dia-m.ru

www.dia-m.ru

С.-Петербург
+7 (812) 372-6040
spb@dia-m.ru

Новосибирск
+7 (383) 328-0048
nsk@dia-m.ru

Воронеж
+7 (473) 232-4412
vrn@dia-m.ru

Йошкар-Ола
+7 (927) 880-3676
nba@dia-m.ru

Красноярск
+7 (923) 303-0152
krsk@dia-m.ru

Казань
+7 (843) 210-2080
kazan@dia-m.ru

Ростов-на-Дону
+7 (863) 303-5500
rnd@dia-m.ru

Екатеринбург
+7 (912) 658-7606
ekb@dia-m.ru

Кемерово
+7 (923) 158-6753
kemerovo@dia-m.ru

Армения
+7 (094) 01-0173
armenia@dia-m.ru

