



designed for scientists



IKA VACSTAR digital

/// Data Sheet

The four-chamber membrane vacuum pump convinces with its high suction capacity, low space requirement and high serviceability. The setting of the parameters is carried out through a rotary-push button over a digital display showing current rpm.

Automated processes are controlled with the vacuum controller VC 10, which is available as an accessory. An analogue cable which is required for connecting pump and controller is included in the delivery of the pump. Additionally it is recommended to use the VSE 1 vacuum safety emission. It prevents that solvents are released into ambient air. The Vacstar digital is used for dry and oil-free applications in the laboratory. The membranes of the pump are particularly chemical resistant.

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
Two-point control	yes
Analog speed vacuum control	yes
Speed control	Turning knob
Speed range [rpm]	285 - 1200
Display	LED
Noise at low. pressure [dB(A)]	54
Material in contact with medium	Al2O3; PTFE; FFPM; PPS; NBR
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]	150 x 375 x 370
Weight [kg]	11.5
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]	130
Power input standby [W]	3