



designed for scientists



## 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.



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Scope of delivery

- Vacuum hose (1 m)
- Silencer
- USB A-B Cable
- connecting cable



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## Technical Data

|                                            |                                                          |
|--------------------------------------------|----------------------------------------------------------|
| Pump rate max. (50/60Hz) [m³/h]            | 1.32                                                     |
| Pump rate max. (50/60Hz) [l/min]           | 22                                                       |
| Final pressure [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 adjustment                           | Turning knob                                             |
| Speed range [rpm]                          | 285 - 1200                                               |
| Display                                    | LED                                                      |
| Noise at low. pressure [dB(A)]             | 54                                                       |
| Material in contact with medium            | PTFE, FFPM, PPS, NBR                                     |
| Housing material                           | alu-cast coating / thermoplastic polymer                 |
| Dimensions (W x H x D) [mm]                | 150 x 375 x 370                                          |
| Weight [kg]                                | 11.5                                                     |
| Permissible ambient temperature [°C]       | 5 - 40                                                   |
| Permissible relative humidity              | 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                              | USB-B                                                    |
| Voltage [V]                                | 100 - 240                                                |
| Frequency [Hz]                             | 50/60                                                    |
| Power input [W]                            | 130                                                      |
| Power input standby [W]                    | 3                                                        |