



Technology for Vacuum Systems

# Matches vacuum to demand, automatically.

## Vacuum Controller CVC 3000

Controls vacuum, cooling water, venting valves



# The versatile new Vacuum Controller

- **Controls as required...**  
Process vacuum · cooling water · venting
- **Intuitive menu control**  
Graphic display with digital and analogue vacuum readout
- **Self-configuring**  
Will recognize any VACUU-BUS appliance:  
VARIO NT pumps · vacuum and cooling water valves · external gauge heads
- **Reliable absolute-pressure measurement**  
Built-in, highly resistant alumina ceramic sensor



- **Presets for many common applications**  
e.g. drying chambers, filtration, etc.
- **Boiling-point detection and tracing for rotary evaporators**  
Fully automatic – no need to enter parameters (in connection with VARIO NT pumps)



VACUU-BUS interface

TECHNICAL DATA	CVC 3000
Measuring range	1080–0.1 mbar (810–0.1 Torr)
Vacuum control range (adjustable)	1060–1 mbar (795–1 Torr) (depending on vacuum pump used) "Turbo" mode: < 1 mbar (< 1 Torr)
Pressure transducer (integrated)	capacitive, made of alumina ceramic
Uncertainty of measurement	< ± 1 mbar (0.75 Torr) (after calibration, at constant temperature)
Vacuum connection	Screw thread for PTFE tube 10/8 mm; with hose nozzle DN 6/10 (mounted); small flange KF 16 (optional)
Temperature coefficient	< ± 0.07 mbar/K (< ± 0.05 Torr/K)
Max. power consumption	3.4 W (140 mA at 24 V=)
Venting valve (integrated)	with inert gas connection for tube 4–5 mm
Control interface	Digital VACUU-BUS
Control connections	1 socket for power supply / VARIO NT pump 2 sockets for external gauge heads / valves (expandable)
Power supply (mains adapter)	100–240 V~ / 47–63 Hz
Max. current (mains adapter)	0.8 A
Dimensions (desktop unit, L x W x H)	138 x 124 x 115 mm
Weight (without mains adapter)	0.44 kg

**Items supplied:** Vacuum Controller CVC 3000 with foot, mains adapter, plug CEE/CH/UK/US/AU, instructions for use.

## ORDERING INFORMATION

Vacuum Controller CVC 3000	68 31 60
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## ACCESSORIES

Separate gauge head VSK 3000	63 66 57
Isolation valve VV-B 6C (in-line)	67 42 91
Cooling water valve VKW-B	67 42 20
External air admittance valve VB M-B	67 42 17
Extension cable for VACUU-BUS, 2 m	61 25 52
Y-adapter for VACUU-BUS	63 66 56

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With 150 employees and over 40 years of experience, VACUUBRAND manufactures the most comprehensive range of laboratory and instrumentation vacuum pumps, gauges and controllers for rough and fine vacuum.

The product range comprises rotary-vane pumps, oil-free diaphragm pumps, complete pumping units, flexible vacuum systems and solutions for local area networks. The range is completed by a wide choice of fittings and accessories as well as vacuum gauges and controllers for rough and fine vacuum.

Our technical literature is only intended to inform our customers. The validity of general empirical values and results obtained under test conditions for specific applications depends upon a number of factors beyond our control. It is, therefore, strictly the users' responsibility to verify carefully the validity or suitability to their specific requirements. No claims arising from the information provided in this catalogue will consequently be entertained. Technical data are subject to change without notice.

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