

Vacuubrand CVC 3000 Technical Specifications

Power supply unit(US)Input voltage90–264 VAC90–264 VACFrequency47–63 Hz47–63 HzInput current, max.0,8 A0.8 AOutput voltage, short-circuit-proof24 VDC24 VDCOutput current, max.1,25 A1.25 ACable length, approx.2 m79 in.Dimension108 mm x 58 mm x 34 mm 4.3 in. x 2.3 in. x 1.4 in.Weight300 g0.66 lbMains plugAC, changeable: EU/UK/US/AUSElectrical data – CVC 3000(US)Supply voltage, max.24 VDC (±10 %)Power, max.3,4 W3.4 W3.4 Wmax. admissible current total for connected valves4 ADegree of protection (controller front)IP 20 (IP 42)Port (interface)RS 232 SUB-D 9 polesRemote control, optionalVACUU-CONTROL®Display TypeLC display (LCD)Brightness control Pressure displayswitchable: mbar, Torr, hPaWeight and dimensions* Weight touilt-in)(US)Weight thoot (table top)570 g1.3 lbDimensions123 mm x 124 mm x 83 mm 5 in. x 5.5 in.Dimensions with foot144 mm x 124 mm x 115 mm						
Transport- and storage temperature $-10-60 \ ^{\circ}C$ $14-140^{\circ}F$ Altitude, max. $3000 \ m$ above sea level $9840 \ ft$ above sea levelAltitude, max. $30-85 \ \%$, non condensing Avoid condensation or contamination by dust, liquids, or corrosive gasesPower supply unit(US)Input voltage $90-264 \ VAC$ $90-264 \ VAC$ $90-264 \ VAC$ Frequency $47-63 \ Hz$ $47-63 \ Hz$ $47-63 \ Hz$ Input current, max. $0,8A$ $0.8A$ $0.8A$ Output voltage, short-circuit-proof $24 \ VDC$ $24 \ VDC$ $24 \ VDC$ Output current, max. $1,25A$ $1.25A$ $1.25A$ Cable length, approx. $2 \ m$ $79 \ in.$ Dimension $108 \ mx \ 58 \ mx \ 34 \ mm$ $4.3 \ in. x \ 2.3 \ in. x \ 1.4 \ in.$ Weight $300 \ g$ $0.66 \ lb$ Mains plugAC, changeable: EU/UK/US/AUSElectrical data - CVC 3000(US)Supply voltage, max. $24 \ VDC \ (\pm 10 \ \%)$ Power, max. $3,4 \ W$ max. admissible current total for connected valves $4A \ 4A$ Degree of protection (controller front)IP 20 (IP 42)Port (interface)RS 232 SUB-D 9 polesRemote control, optionalVACUU-CONTROL*Displayywitchable: mbar, Torr, hPaWeight and dimensions* Fresure display(US)Weight foot (table top) $570 \ g$ $1.3 \ lb$ Dimensions $123 \ mm x \ 124 \ mm x \ 83 \ mm$ 5 in. $x \ 3.5 \ in.$	Ambient conditions			(US)		
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Altitude, max.above sea levelabove sea levelRelative humidity30–85 %, non condensingAvoid condensation or contamination by dust, liquids, or corrosive gasesPower supply unit(US)Input voltage90–264 VACFrequency47–63 Hz47–63 Hz47–63 HzInput current, max.0,8 AOutput voltage, short-circuit-proof24 VDCCable length, approx.2 m2 m79 in.Dimension108 mm x 58 mm x 34 mm 4.3 in. x 2.3 in. x 1.4 in.Weight300 g0.66 lbMains plugAC, changeable: EU/UK/US/AUSElectrical data - CVC 3000(US)Supply voltage, max.24 VDC (±10 %)Power, max.3,4 W3,4 W3.4 Wmax. admissible current total for connected valves4 A4 A4 ADegree of protection (controller front)IP 20 (IP 42)Port (interface)RS 232 SUB-D 9 polesRemote control, optionalVACUU-CONTROL®DisplayyesPressure displayswitchable: mbar, Torr, hPaWeight and dimensions*(US)Weight foot (table top)570 g1.3 lbDimensions123 mm x 124 mm x 83 mm 51 in. x 5.1 in.Dimensions510 x 3.5 in.Dimensions144 mm x 124 mm x 115 mm			-10–60 °C	14–140°F		
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	Dimensions with foot					



* without wall power supply

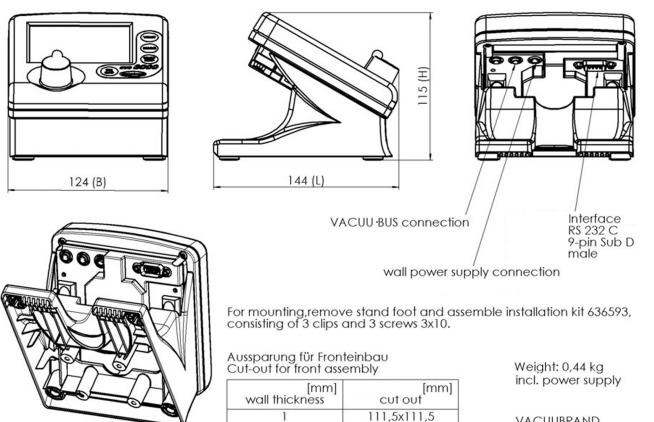


Vacuubrand CVC 3000 Technical Specifications cont.

Vacuum data					
CVC 3000, internal vac		(US)			
Measuring range, absolute		810-0.1 Torr			
max. control range	1060–0,1 mbar	795–0.1 Torr			
Resolution	0,1 mbar	0.1 Torr			
max. admissible media temperature (gas):					
Temporarily	80 °C	176°F			
Continuous operation	40 °C	104°F			
Measurement uncertainty	< ±1 mbar	< ±0.75 Torr			
Temperature coefficient	< ±0,07 mbar/K	< ±0.05 Torr/K			
External vacuum sensor	VSK 3000				
max. admissible pressure,	V3N 3000				
absolute	1,5 bar	1125 Torr			
N					
Venting					
max. admissible pressure, absolute	1,2 bar	900 Torr			
Gas connections					
CVC built-in version	Fitting for PTFE tube 10/8 mm				
CVC table top version	Fitting for PTFE tube 10/8 mm or				
Maatiaa	hose nozzle for flexible tube DN 6/10				
Venting	Hose nozzle for flexible tube $\mathbf{d}_{i} = 4-5 \text{ mm}$				
Vacuum data (only differing data)					
CVC 3000 with externa		(US)			
Measuring range, absolute		750–1x 10 ⁻³ Torr			
max. control range	1000–1x 10 ⁻³ mbar	750–1x 10 ⁻³ Torr			
External vacuum sensor VSP 3000					
max. admissible pressure, absolute	1,5 bar	1125 Torr			
Cable, length	2 m	7 ft			
Venting					
max. admissible pressure, absolute	1,2 bar	900 Torr			
without internal venting valve					
that of the second seco					



Vacuubrand CVC 3000 Dimensions



VACUUBRAND CVC 3000 ohne Sensor Version: 2011/07/19

Features & Benefits

convenient vacuum control in the find vacuum range

2

3

112,0x112,0

112,6x112,6

- self-configuring controller and components
- controls vacuum, cooling water, and venting
- intuitive operation