



Vacuubrand CVC 3000

Technical Specifications



Ambient conditions		(US)
Working temperature	10–40 °C	50–104°F
Transport- and storage temperature	-10–60 °C	14–140°F
Altitude, max.	3000 m above sea level	9840 ft above sea level
Relative humidity	30–85 %, non condensing	
Avoid condensation or contamination by dust, liquids, or corrosive gases.		

Power supply unit		(US)
Input voltage	90–264 VAC	90–264 VAC
Frequency	47–63 Hz	47–63 Hz
Input current, max.	0,8 A	0.8 A
Output voltage, short-circuit-proof	24 VDC	24 VDC
Output current, max.	1,25 A	1.25 A
Cable length, approx.	2 m	79 in.
Dimension	108 mm x 58 mm x 34 mm 4.3 in. x 2.3 in. x 1.4 in.	
Weight	300 g	0.66 lb
Mains plug	AC, changeable: EU/UK/US/AUS	

Electrical data – CVC 3000		(US)
Supply voltage, max.	24 VDC (±10 %)	24 VDC (±10 %)
Power, max.	3,4 W	3.4 W
max. admissible current total for connected valves	4 A	4 A
Degree of protection (controller front)	IP 20 (IP 42)	
Port (interface)	RS 232 SUB-D 9 poles	
Remote control, optional	VACUU·CONTROL®	

Display	
Type	LC display (LCD)
Brightness control	yes
Pressure display	switchable: mbar, Torr, hPa

Weight and dimensions*		(US)
Weight (built-in)	440 g	0.97 lb
Weight with foot (table top)	570 g	1.3 lb
Dimensions	123 mm x 124 mm x 83 mm 5 in. x 5 in. x 3.5 in.	
Dimensions with foot	144 mm x 124 mm x 115 mm 6 in. x 5 in. x 4.5 in.	

* without wall power supply



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Technical Specifications cont.

Vacuum data		
CVC 3000, internal vacuum sensor		(US)
Measuring range, absolute	1080–0,1 mbar	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, absolute	1,5 bar	1125 Torr
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 hose nozzle for flexible tube DN 6/10	
Venting	Hose nozzle for flexible tube $d_1 = 4-5$ mm	
Vacuum data (only differing data)		
CVC 3000 with external VSP 3000		(US)
Measuring range, absolute	1000–1x 10 ⁻³ mbar	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		



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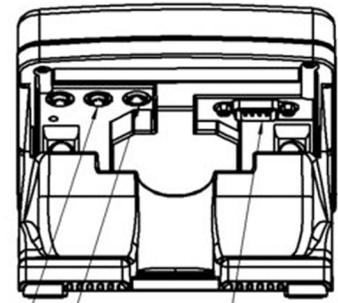
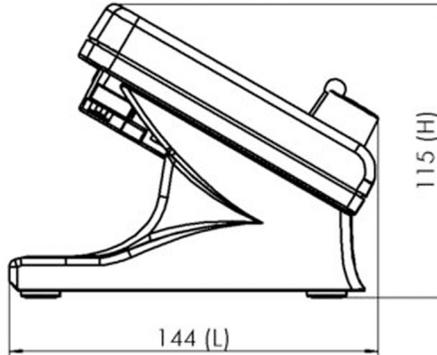
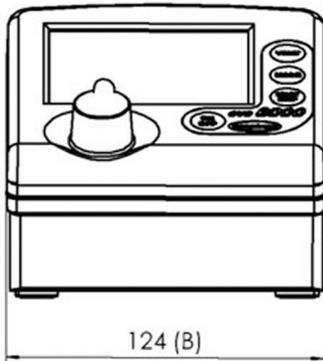
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Vacuubrand CVC 3000

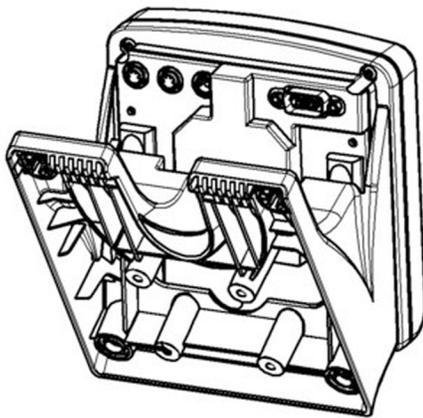
Dimensions



VACUU-BUS connection

Interface
RS 232 C
9-pin Sub D
male

wall power supply connection



For mounting, remove stand foot and assemble installation kit 636593, consisting of 3 clips and 3 screws 3x10.

Aussparung für Fronteinbau
Cut-out for front assembly

wall thickness [mm]	cut out [mm]
1	111,5x111,5
2	112,0x112,0
3	112,6x112,6

Weight: 0,44 kg
incl. power supply

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

Features & Benefits

- convenient vacuum control in the find vacuum range
- self-configuring controller and components
- controls vacuum, cooling water, and venting
- intuitive operation