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Compact Vacuum-Controller

WITH INTEGRATED VACUUM VALVE AND SENSOR -
READY FOR USE

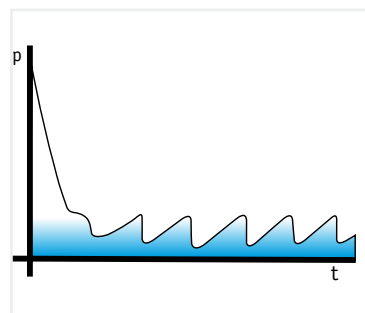
VACUUM-CONTROLLER CVC 3000 DETECT
AS BENCH TOP OR STAND MOUNTED UNIT

vacuubrand

Technology for Vacuum Systems

VACUUM-CONTROLLER CVC 3000 DETECT BENCH TOP OR STAND MOUNTED

■ The CVC 3000 detect compact vacuum controller complete with integral vacuum valve and sensor is ready to use either as a bench top or stand mounted unit. The CVC 3000 detect is a compact two-point vacuum regulator, with integrated ceramic vacuum sensor and ventilation valve. The “detect” function provides the ability to recognise and find the boiling pressure and thus greatly facilitates the work of solvent evaporation. With integrated non-return valve and chemistry vacuum valve, it forms a highly compact and easy-to-install unit for vacuum regulation. Used in conjunction with existing vacuum pumps or networks, process efficiency is significantly increased through the “detect” electronic vacuum control, the solvent recovery is increased and the environment better protected. The programmable CVC 3000 detect is available for both bench top and stand mounting operation.



Boiling point detection and two-point regulation

PERFORMANCE FEATURES

- detect function for independent vapor pressure detection – time saving for other tasks
- compact unit with chemically resistant vacuum valve and common laboratory hose connections – immediately ready for use
- the vacuum measuring is integrated within the valve block – direct connection of the CVC 3000 detect between pump and vacuum application
- integrated venting valve – simple pressure balance or ventilation with inert gas at the end of the process
- non-return valve – no interference of parallel applications at a common vacuum source

TECHNICAL DATA

Control range	mbar/hPa/torr	1080 / 810 - 0.1 / 0.1
Measurement principle		Ceramic diaphragm (alumina), capacitive, gas indep., absolute pressure
Measurement uncertainty		< +/- 1 mbar/hPa/torr / +/- 1 digit (after adjustment, constant temp.)
Temperature coefficient		< 0.07 mbar/hPa/0.05 torr /K
Vacuum connection		Hose nozzle DN 6/10 mm
Venting valve, connection		Integrated, hose nozzle DN 4-5 mm
Permissible ambient temp. range storage / operation	°C	-10 - 60 / 10 - 40
Max. media temp. for continuous operation / short times	°C	40 / 80
Material of outer housing		Robust plastic housing with good chemical resistance
Degree of protection, front side of display unit / back side		IP 42 / IP 20
Dimensions (L x W x H), approx.	mm	181 x 162 x 174
Weight, approx.	kg	1.5

ITEMS SUPPLIED

Vacuum-Controller CVC 3000 detect with integrated vacuum valve, venting valve, check valve, power supply and table stand or stand mount.

ORDERING INFORMATION

Vacuum-Controller CVC 3000 detect, bench-top device	100-230 V ~ 50-60 Hz CEE/CH/UK/US/AUS/CN	Ex*	2614860
Vacuum controller CVC 3000 detect for attaching to a lab scaffold	100-230 V ~ 50-60 Hz CEE/CH/UK/US/AUS/CN	Ex*	2614120

With NRTL certification for Canada and the USA (with integrated sensor or VSK 3000)

Ex*: ATEX: II 3G IIC T3 X, Internal Atm. only (with integrated sensor or VSK 3000)