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Package without pump

## CONTROLLED FINE VACUUM

VACUUM CONTROL PACKAGES PIRANI  
FOR ROTARY VANE PUMPS WITH CONNECTION  
KF DN 16 AND KF DN 25

*vacuubrand*

Technology for Vacuum Systems

■ For vacuum regulation in the fine vacuum range 2 new upgrade packages are available. Each package, the KF DN 16 and the KF DN 25 package, is equipped with one vacuum controller CVC 3000 with external Pirani vacuum sensor VSP 3000, in-line solenoid valve VV-B 15C and all necessary small flange components, and therewith optimatically adapted to rotary vane pumps with small flange connection DN 16 or DN 25, respectively. The CVC 3000 manages vacuum processes by controlling vacuum valves and coolant valves. The vacuum regulation is running by opening and closing of an in-line solenoid valve VV-B 15C. Via VACUU·BUS™ the controller communicates with all connected components. The measuring instruments and components are completely self-configuring and automatically checked by the controller.



Package without pump

**PERFORMANCE FEATURES**

- the CVC 300 controls vacuum, cooling water and venting to demand
- intuitive operation with turn-and-tap jog wheel and clear text menus
- brand new rugged VSP 3000 vacuum sensor made of plastics and ceramics with high chemical resistance, splash-water proof, also for rough operating conditions
- VSP 3000 with wide measurement range from atmospheric pressure to fine vacuum ( $10^{-3}$  mbar)
- the in-line solenoid valve is chemically highly resistant

TECHNICAL DATA		CVC 3000 / VSP 3000
Control range	mbar / torr	1080 / 810 - $1 \times 10^{-3}$ / $1 \times 10^{-3}$
Measurement principle		Thermal conductivity (Pirani), chemically resistant plastics / ceramics
Measurement uncertainty		+/- 15% of indicated value in the range 0.01-100 mbar/hPa/torr
Vacuum connection		Small flange KF DN 16 and hose nozzle DN 6/10 mm
Venting valve, connection		No
Ambient temperature range (storage)	°C	-10 - 60
Ambient temperature range (operation)	°C	10 - 40
Max. media temp. continuous operation	°C	40
Max. media temperature for short times	°C	80
Material of outer housing		Robust plastic housing with good chemical resistance
Degree of protection		IP 20
Degree of protection, front side of display unit		IP 42
Degree of protection(Vacuum sensor)		IP 54
Cable length of external power supply	m	2
Dimensions (L x W x H), approx.	mm	144 x 124 x 115
Weight, approx.	kg	0.44

**ORDERING INFORMATION KF DN 16 CVC 3000 / VSP3000 (RE/Z 2.5 / RE/Z 6 / RC6)**

100-230 V ~ 50-60 Hz CEE/CH/UK/US/AUS 635983

**ITEMS SUPPLIED package KF DN 16**

- vacuum controller CVC 3000 with external vacuum sensor VSP 3000 and power supply
- in-line solenoid valve VV-B 15C
- T-piece KF DN 16, hose nozzle DN 10 mm (PP), clamping and sealing rings, ready for use, with manual.

**ORDERING INFORMATION KF DN 25 CVC 3000 / VSP3000 (RE/Z 9 / RE/Z 16)**

100-230 V ~ 50-60 Hz CEE/CH/UK/US/AUS 635982

**ITEMS SUPPLIED package KF DN 25**

- vacuum controller CVC 3000 with external vacuum sensor VSP 3000 and power supply
- in-line solenoid valve VV-B 15C KF DN 25
- T-piece KF DN 25, hose nozzle DN 15 mm (PP), clamping and sealing rings, ready for use, with manual.

**ACCESSORIES**

- Rubber vacuum tubing DN 10 mm (686002)
- Rubber vacuum tubing DN 15 mm (686003)
- DKD calibration with first delivery (900216)
- DKD recalibration (900217)
- VACUU·BUS™ accessories
- Vacuum sensor VSK 3000 (636657)
- Vacuum sensor VSP 3000 (636163)