

# Package fine vacuum control (stainless steel) VACUU·SELECT + VACUU·VIEW extended, KF DN 25

[Link to the website](#)



## Product description

The VACUU·SELECT fine vacuum control packages provide an easy-to-use vacuum control option for work down to  $10^{-3}$  mbar. These packages include the VACUU·SELECT controller with fine vacuum gauge, a chemical-resistant inline isolation valve (W-B 15C), and the accessories required for connection to your vacuum system via small flange (KF) connections. VACUUBRAND offers fine vacuum control packages with two different small flange connections. The KF DN 16 fine vacuum control package is compatible with our rotary vane pump models RE / RZ 2.5 to RE / RZ 6 and our HYBRID pump RC 6. The KF DN 25 fine vacuum control package is configured for use with our RE / RZ 9 rotary vane pumps and VACUU·PURE screw pumps. With its intuitive, application-based user interface, the controller allows you to quickly get your fine vacuum process under control. For advanced processes, pre-defined applications can be modified, and new applications can be created to optimize your process conditions. The included inline solenoid valve and sensor are automatically configured via the proprietary VACUU·BUS system.

## Performance features

- complete package for vacuum control of all fine vacuum applications in chemical labs, with continuous control range from atmosphere to fine vacuum ( $10^{-3}$  mbar)
- Metal components made of stainless steel for better chemical resistance
- graphic user interface for simple operation
- predefined applications for quick, reproducible results and application editor for easy customization
- rugged VACUU·VIEW extended gauge with wide measuring range offers superior chemical resistance and mechanical robustness

## Ordering data

Product name	Nominal mains voltage   mains frequency	Plug type	Articleno.
VACUU·SELECT + VACUU·VIEW extended, KF DN 25	100-230 V   50-60 Hz	CEE/CH/UK/US/AUS/CN	20700110

## Items supplied

Package for fine vacuum control, stainless steel, consisting of: Vacuum controller VACUU·SELECT (without internal vacuum sensor and venting valve) with VACUU·VIEW extended and power supply, solenoid valve VV-B 15C KF DN 25, T-piece KF DN 25, reducing piece KF DN 25/16, hose nozzle DN 15 mm (PP), clamping and sealing rings, ready for use, with manual.

## Accessories

- Function extension for VACUU·SELECT controller VACUU·SELECT User Management (20700900)
- Rubber vacuum tubing DN 10 mm (20686002)
- Air admittance valve VB M-B (20674217)
- Function extension for VACUU·SELECT controller VACUU·SELECT User Management (20700900)
- Rubber vacuum tubing DN 8 mm (20686001)
- Rubber vacuum tubing DN 8 mm (20686001)

## Technical data

Measuring range (mbar)	1100 - 1 x 10 <sup>-3</sup> mbar
Measuring range (torr)	825 - 1 x 10 <sup>-3</sup> torr
Control range (mbar)	1000 - 1 x 10 <sup>-3</sup> mbar
Control range (torr)	750 - 1 x 10 <sup>-3</sup> torr
Measurement principle	Ceramic diaphragm sensor + ceramic jacketed Pirani sensor
Accuracy of measurement	+/- 15% of indicated value in the range 0.01-5 mbar / +/-3 mbar for > 5 mbar
Vacuum sensor	VACUU-VIEW extended
Temperature coefficient	+/- 0.2 mbar/hPa/0.15 torr /K
Vacuum sensor connection	Small flange KF DN 25 / hose nozzle DN 15 mm
Venting valve, connection	No
Permissible ambient temperature range (operation)	10 - 40 °C
Permissible ambient temperature range (storage)	-10 - 60 °C
Max. media temperature (continuous operation)	40 °C
Max. media temperature for short times	80 °C
Material of outer housing	Robust plastic housing with good chemical resistance
Protection class IEC 60529	IP 40
Protection class UL50E	Type 1
Protection class of front side according to IEC 60529	IP 41
Protection class of front side according to UL50E	Type 2
Dimensions (L x W x H)	152 x 127 x 41 mm
Weight	0.6 kg
Max. breaking capacity / breaking current 24V/VACUU-BUS®	4 A
Cable length connection	2 m
NRTL certification	Yes

## Interface

Ethernet (RJ45): Modbus TCP / USB (Type A): Data transfer, software update, RS-232 (additional adapter required)

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Dimension sheet



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**VACUUBRAND®**

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With highly motivated and qualified employees, we manufacture the world's most comprehensive product family for vacuum generation, measurement and control for the rough and fine vacuum range in the laboratory.

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