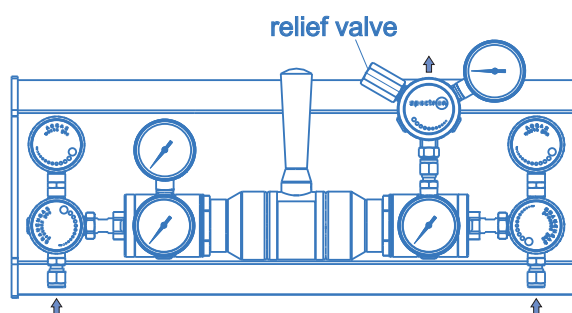


Pressure control panel BE56-2U

spectro**cem**



Pressure control panel BE56-2U



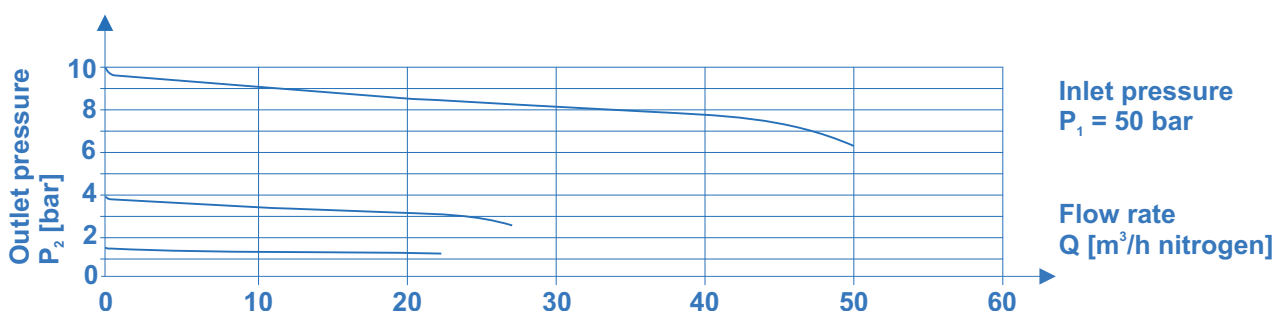
Product features

- Double-stage wall- and cabinet-mounting pressure control panels with automatic change-over function
- For corrosive gases and gas mixtures with corrosive components up to quality 6.0
- Laboratory-style design
- Ergonomically designed
- Modular design (to be extended to 2, 3 etc. cylinders)
- Filter at the process gas inlet valve
- Diaphragm-type shut-off valves optimised for low internal volume with On/Off position indicator
- Suitable for ECD-applications
- Double stage pressure control with 3 diaphragm-type pressure regulators with high control accuracy, anti-vibration device and integrated relief valve
- Designed for easy installation
- Approved for use with oxygen
- Compact design especially for installation into safety cabinets for gas cylinders
- Minimised pressure difference between left and right hand side outlet pressure
- Single-stage model: BE55-2U

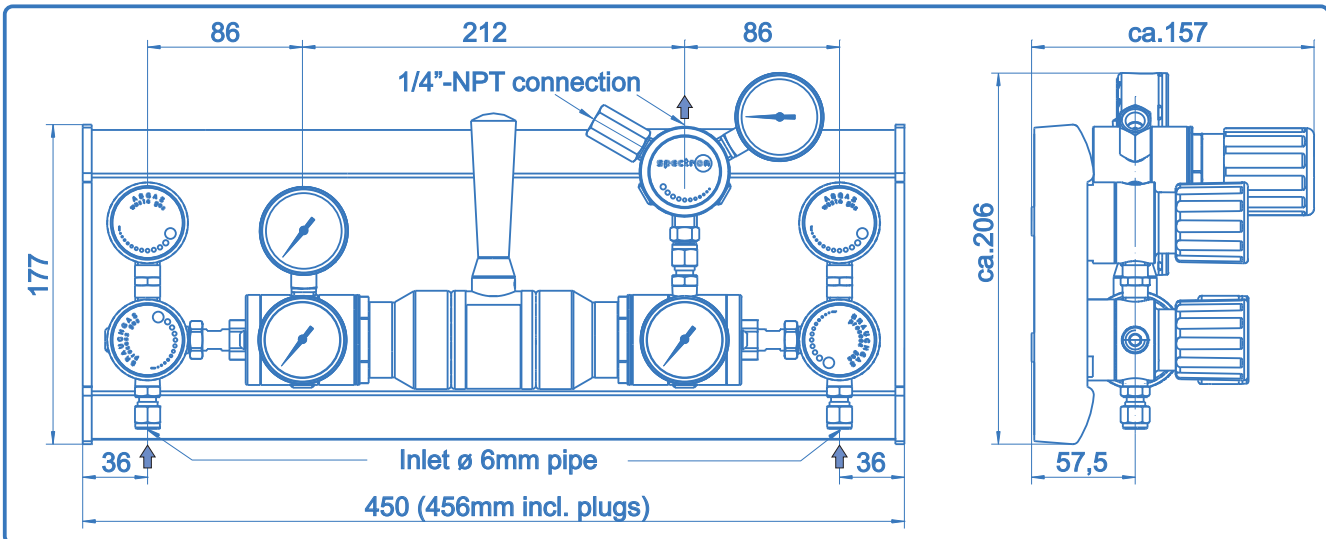
Technical data

Type	double-stage
Inlet pressure P_1	max. 300 bar
Outlet pressure P_2	1,5 / 4 / 10 bar
Materials	
Body regulator and valves:	SS 316L (SS 1.4404)
Valve seat regulator:	PVDF or EPDM (NH ₃)
Valve seat shut-off valve:	PCTFE
Diaphragm regulator:	Hastelloy C276
Diaphragm valve:	Hastelloy C276
Soft goods:	FKM or EPDM (NH ₃)
Filter:	Sintered SS 316L
Inlet connector	SS compression ring fitting 6x1 mm
Temperature range	-30°C to +60°C
Leak rate (to atmosphere) (via seat)	1x10 ⁻⁸ mbar l/s He 1x10 ⁻⁶ mbar l/s He
Pressure gauges	Safety pressure gauges ISO5171/cl 1.6/NG50
Weight	8,7 kg

Flow curves BE56-2U



Pressure control panel BE56-2U



Process gas valve also with 300 bar - pneumatic-actuator upon request!

Ordering information:
Pressure control panels BE56-2U

BE56 - 2U - 300 - 1,5 - M - M - N₂

Inlet pressure P₁

100 - max. 100 bar
200 - max. 200 bar
300 - max. 300 bar

Outlet pressure P₂

1,5 - max. 1,5 bar
4 - max. 4 bar
10 - max. 10 bar

Inlet press. indication

M - pressure gauge
K - contact pressure gauge

Gas type

Please specify gas type with your order (selection of valve seat material)

Outlet press. indication

M - pressure gauge
K - contact pressure gauge

Specifications

- SPECTROCEM - components guarantee maximum quality by using high grade materials and a quality assurance program acc. to ISO 9001.
- All components which come into contact with the medium are cleaned in an ultrasonic cleaning system (CFC-free) with the special cleaning process SPECTRO-CLEAN® and are then baked out.
- SPECTROCEM - components undergo a 100% Helium-leak-test.

Important note regarding component selection

- In order to assure safe operation it is essential to take the configuration of the whole system into account when selecting a control panel.
- The function of the components, the compatibility of the materials, correlating temperature ranges, correct installation, operation and maintenance in accordance with the relevant regulations are the responsibility of the system designer and the user.

***) Important note regarding corrosive gases**

Using gas mixtures with corrosive components >1% or very critical applications, we recommend our pressure control panels SE in combination with the purge- and connection block SBE/3.