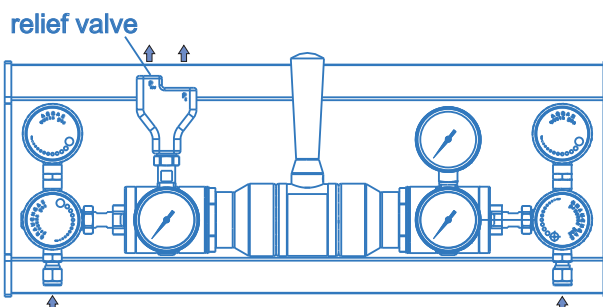


# Pressure control panel BM55-2U

spectro lab



Pressure control panel BM55-2U  
Outlet adapter without valve



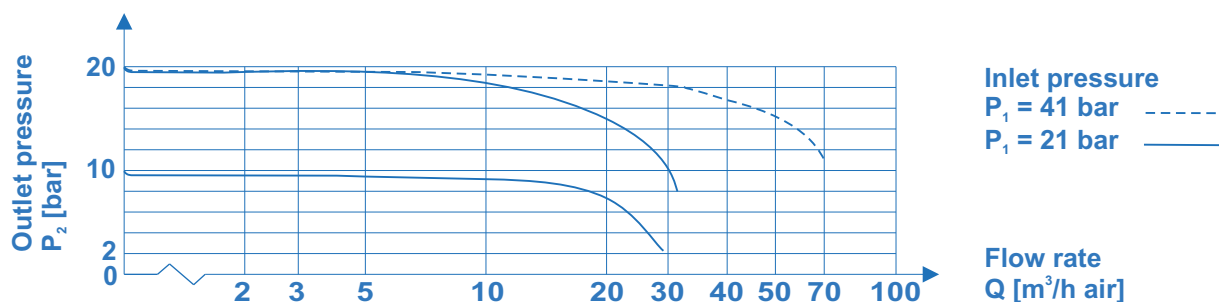
## Product features

- Wall- and cabinet-mounting pressure control panels with automatic change-over function
- For non-corrosive gases 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
- Diaphragm-type pressure regulator with high control accuracy and anti-vibration device
- Outlet adapter with integrated relief valve and optional diaphragm-shut-off valve (this prevents the outlet piping from draining during disconnecting the panel)
- 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
- Double-stage model: BM56-2U

## Technical data

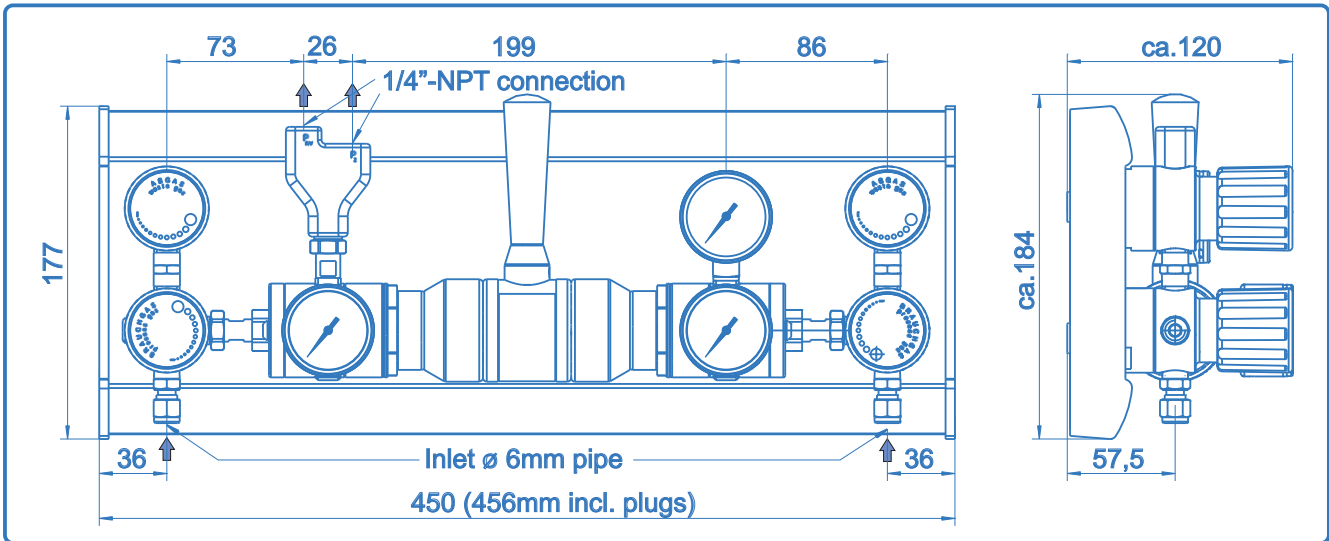
<b>Type</b>	single-stage
<b>Inlet pressure <math>P_1</math></b>	max. 300 bar
<b>Outlet pressure <math>P_2</math></b>	10/20/50/100/200 bar
<b>Materials</b>	
Body regulator and valves:	chrome-plated brass
Valve seat regulator:	PA 11
Valve seat valves:	PVDF
Diaphragm regulator:	Hastelloy C276
Diaphragm valve:	Hastelloy C276
Soft goods:	EPDM, FKM
Filter:	Sintered bronze B60
<b>Inlet connector</b>	SS compression ring fitting 6x1 mm
<b>Temperature range</b>	-30°C to +60°C
<b>Leak rate (to atmosphere) (via seat)</b>	1x10 <sup>-8</sup> mbar l/s He 1x10 <sup>-6</sup> mbar l/s He
<b>Pressure gauges</b>	Safety pressure gauges ISO5171/cl 1.6/NG50
<b>Weight</b>	7,7 kg

## Flow curves BM55-2U



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

Ordering information:  
Pressure control panels BM55-2U

**BM55 - 2U - 300 - 10 - M - M - V - N<sub>2</sub>**

**Inlet pressure P<sub>1</sub>**

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

**Outlet pressure P<sub>2</sub>**

10 - max. 10 bar (middle position = 10 bar; P<sub>2 max/min</sub> = ± 1,5 bar)  
20 - max. 20 bar (middle position = 20 bar; P<sub>2 max/min</sub> = ± 1,5 bar)  
50 - max. 50 bar (middle position = 50 bar; P<sub>2 max/min</sub> = ± 5 bar)  
100 - max. 100 bar (middle position = 100 bar; P<sub>2 max/min</sub> = ± 1x bar)  
200 - max. 200 bar (middle position = 200 bar; P<sub>2 max/min</sub> = ± 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 adapter**

0 - without valve  
V - valve (manual)  
VP - pneumatic-valve

**Outlet press. indication**

M - pressure gauge  
K - contact pressure gauge

**Specifications**

- SPECTROLAB - 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.
- SPECTROLAB - components undergo a 100% Helium-leak-test.

**Pressure indication**

- All pressure regulators can be equipped with pressure gauges or contact gauges for in- and outlet pressure indication.

**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.