

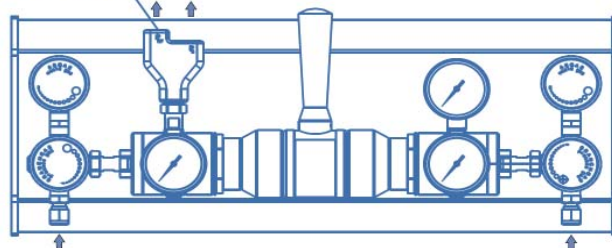
# Pressure control panel BM55-2U

spectro lab



BM55-2U without valve in the outlet adapter

Pressure relief valve



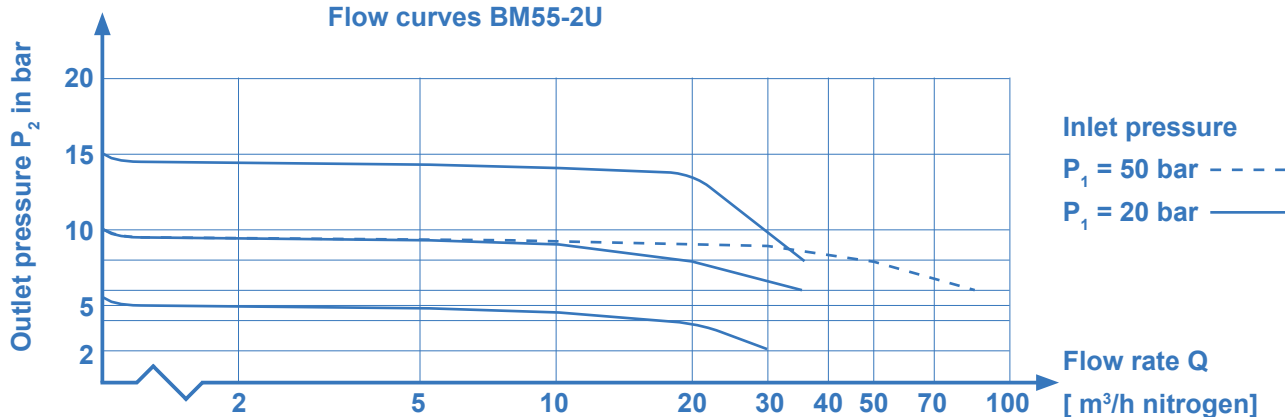
## Product features

- Wall- and cabinet-mounting pressure control panels with automatic change-over function
- For non-corrosive gases up to quality 6.0
- Modular design (to be extended to 2x2, 2x3 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 up to 200 bar outlet pressure and anti-vibration device
- Minimised difference of process pressure after automatic change-over
- Outlet adapter with integrated relief valve (up to 100 bar) and optional diaphragm shut-off valve (this prevents the outlet piping from draining during disconnecting the panel)
- Laboratory-style design for easy installation
- Approved for use with oxygen
- Compact design especially for installation into safety cabinets for gas cylinders

## 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>	max. 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 valves:	Hastelloy C276
Soft goods:	EPDM, FKM
Filter regulator:	sintered SS 1.4404
<b>Connections</b>	
Inlet:	SS compression ring fitting 6x1 mm
Outlet:	1/4"-NPT female
<b>Temperature range</b>	-20 to +60°C
<b>Leak rate</b>	
to atmosphere:	$\leq 10^{-8}$ mbar l/s He
via seat:	$\leq 10^{-6}$ mbar l/s He
<b>Weight</b>	7,7 kg

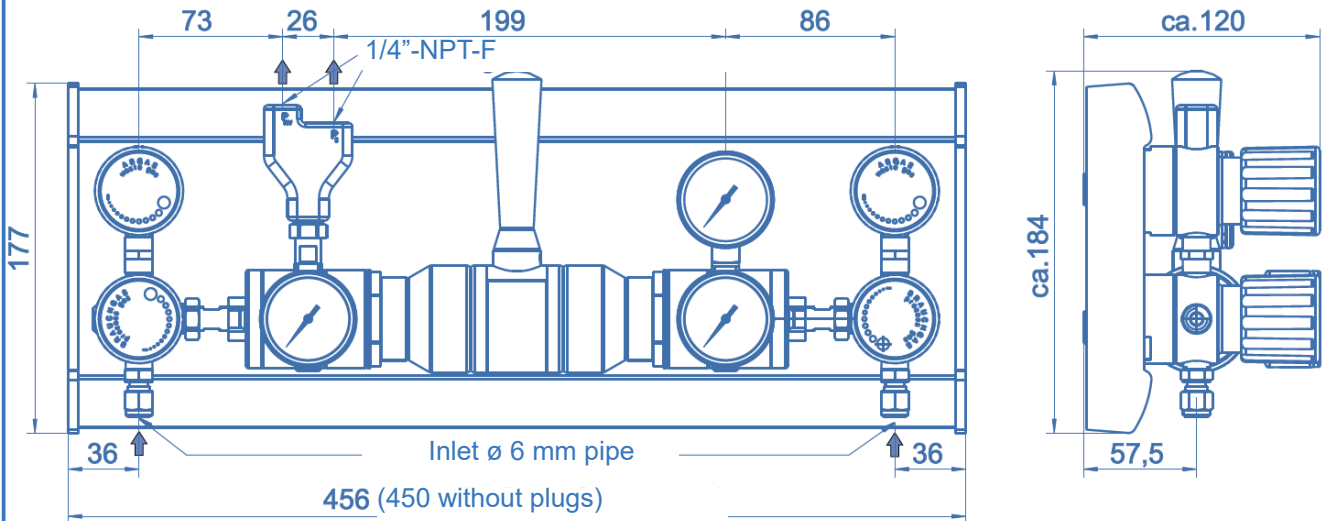
Flow curves BM55-2U



# Pressure control panel BM55-2U

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## Dimensions and connections



### Ordering information: Pressure control panel BM55-2U

**BM55 - 2U - 300 - 10 - V - V - M - M - V - N2**

#### Inlet pressure $P_1$

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

#### Outlet pressure $P_2$

10	middle position = 10 bar; $P_{2 \text{ max/min}} = \pm 1,5$ bar
20	middle position = 20 bar; $P_{2 \text{ max/min}} = \pm 1,5$ bar
50	middle position = 50 bar; $P_{2 \text{ max/min}} = \pm 5$ bar
100	middle position = 100 bar; $P_{2 \text{ max/min}} = \pm 10$ bar
200	middle position = 200 bar; $P_{2 \text{ max/min}} = \pm 10$ bar

#### Process gas inlet HPI

#### High press. waste gas HPV

V	valve (manual)
VP	pneumatic valve (NC)

#### Gas type

Please specify gas type!

#### Outlet adapter

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

#### Outlet press. indication

#### Inlet pressure indication

M	pressure gauge
K	contact press. gauge
PT	pressure transmitter