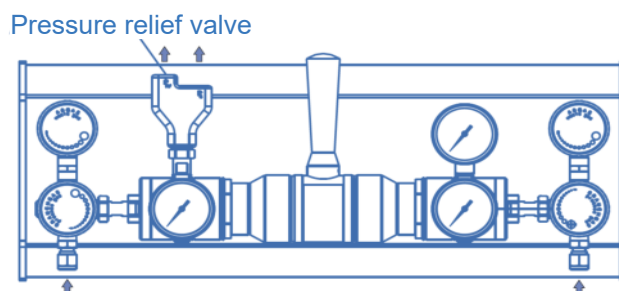


Pressure control panel BM55-2U

spectrolab



BM55-2U without valve in the outlet adapter



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

Type	single-stage
Inlet pressure P_1	max. 300 bar
Outlet pressure P_2	max. 10 / 20 / 50 / 100 / 200 bar

Materials

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

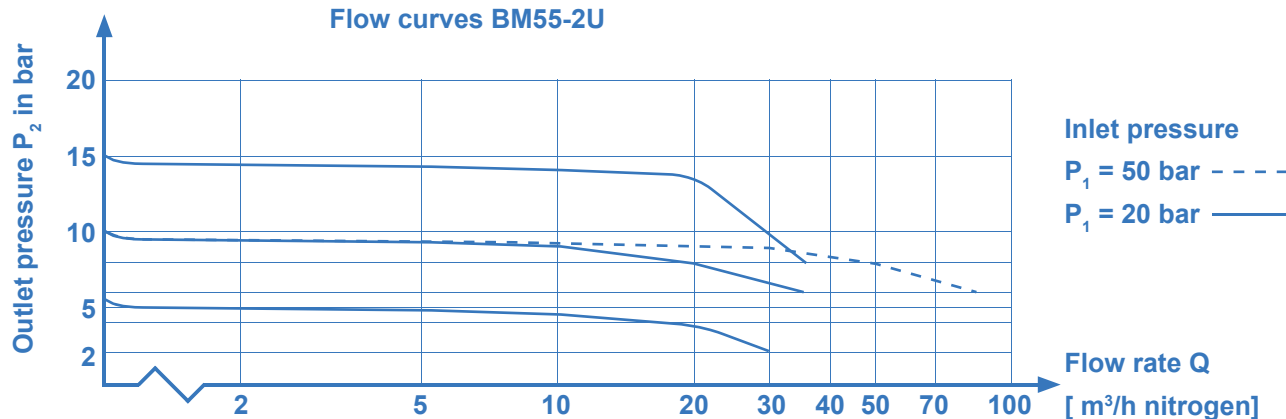
Connections	SS compression ring fitting 6x1 mm
Inlet:	
Outlet:	1/4"-NPT female

Temperature range	-20 to +60°C
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Leak rate	
to atmosphere:	$\leq 10^{-8}$ mbar l/s He
via seat:	$\leq 10^{-6}$ mbar l/s He

Weight	7,7 kg
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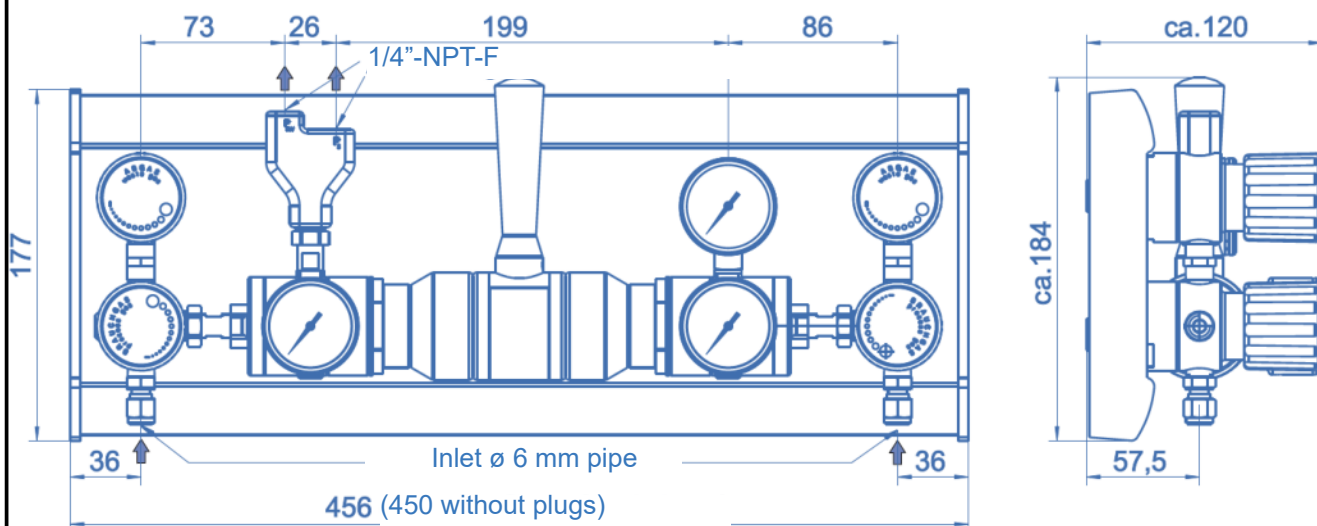
Flow curves BM55-2U



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