

Pressure control panel BM55-2A

spectrolab



BM55-2A with outlet pressure connection

Product features

- Wall- and cabinet-mounting pressure control panels with fully automatic change-over function
- For non-corrosive gases up to quality 5.0
- No pressure difference between the two gas source sides due to Ambimat
- Maximum emptying of the gas cylinders
- 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
- Diaphragm-type pressure regulator with high control accuracy, integrated relief valve (up to 100 bar) and anti-vibration device
- Laboratory-style design for easy installation
- Approved for use with oxygen
- Suitable for inlet pressure values up to 300 bar
- Compact design especially for installation into safety cabinets for gas cylinders

Technical data

Type	single-stage
Inlet pressure P_1	max. 100 / 200 / 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 regulator:	EPDM
Soft goods Ambimat:	FKM
Filter regulator:	sintered SS 1.4404
Filter Ambimat:	sintered bronze

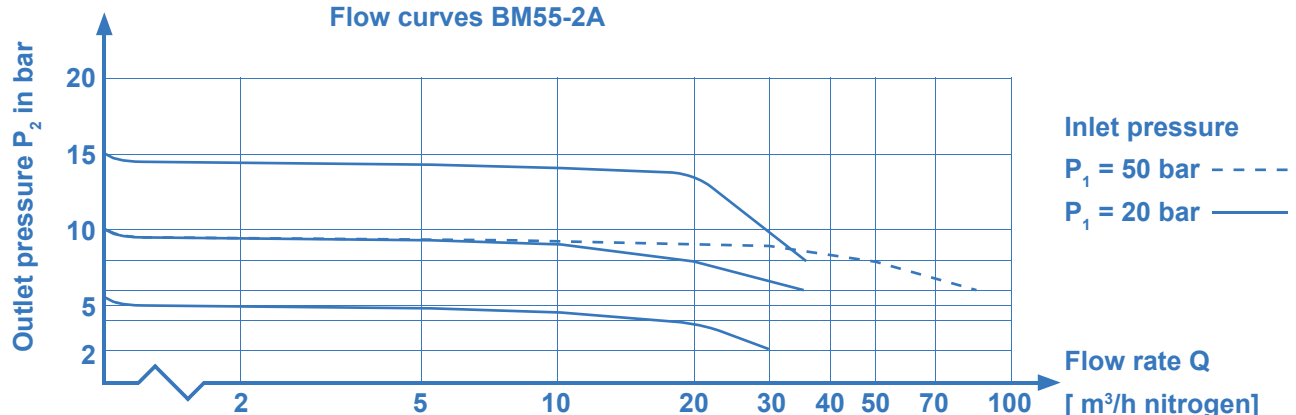
Inlets	SS compression ring fitting 6x1 mm
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Temperature range	-15 to +60°C
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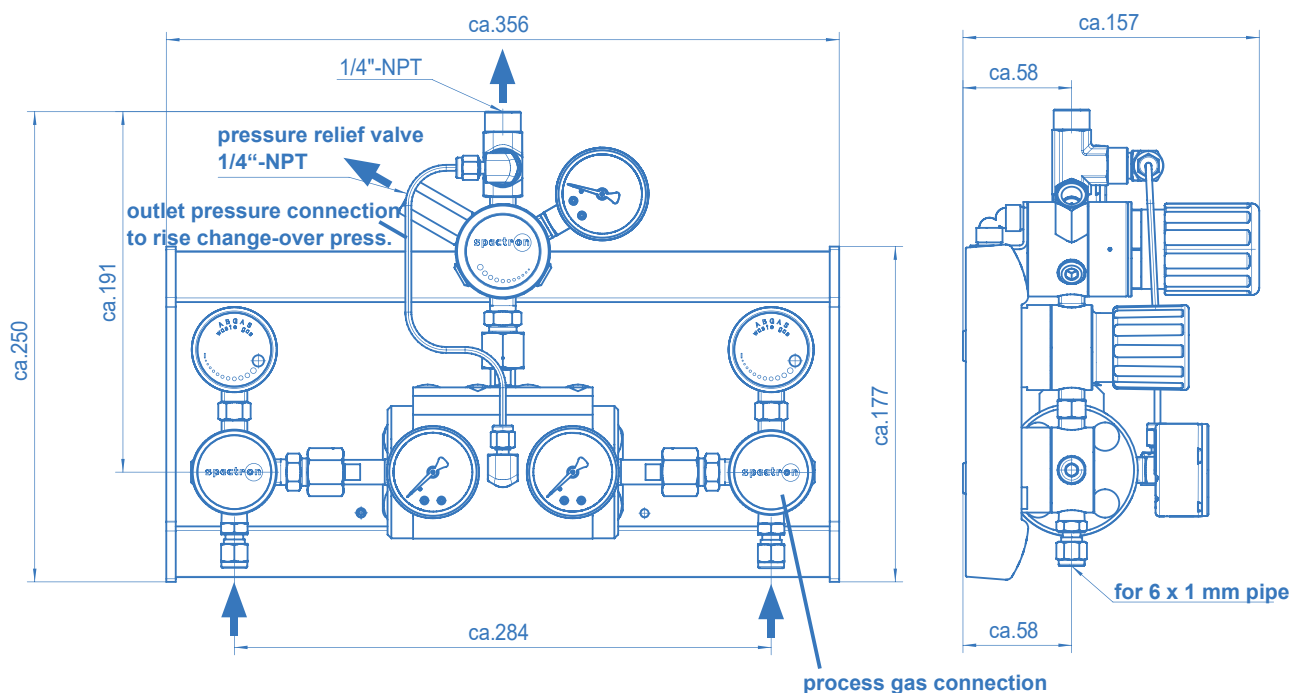
Leak rate	
to atmosphere:	$\leq 10^{-8}$ mbar l/s He
via seat:	$\leq 10^{-6}$ mbar l/s He

Weight	ca. 10 kg
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Flow curves BM55-2A



Dimensions and connections



Ordering information: Pressure control panel BM55-2A

BM55 - 2A - 300 - 10 - CB - V - M - M - N2

Inlet pressure P_1

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

Outlet pressure P_2

Outlet pressure	change-over pressure
10	max. 10 bar
20	max. 20 bar *
50	max. 50 bar *
100	max. 100 bar *
200	max. 200 bar *
	11-13 bar
	28-30 bar
	55-57 bar
	102-105 bar
	201-203 bar

* with outlet pressure connection

** Attention: If you combine a connection block (CB) with a contact pressure gauge (K), then there will be an alarm during every purge cycle. To avoid this we recommend to combine a valve (V) with the contact pressure gauge (K). CB cannot be selected as HPV.

Gas type

Please specify gas type!

Outlet pressure indication

Inlet pressure indication

M	pressure gauge
K	contact press. gauge **
PT	pressure transmitter

High press. waste gas HPV

Process gas inlet HPI

CB	connection block **
V	valve (manual)
VQ	1/4-turn valve
VP	pneumatic valve (NC)