



REDLINE® A 209

Semi-automatic gas panel for cylinder/bundle

Description

A 209 is a double gas panel with diaphragm single-stage pressure regulator, especially suitable for non-corrosive gases up to 6.0 purity (99.9999%) as well as gas mixtures with a low concentration of corrosive components. A 209 is a semi-automatic gas panel designed for uninterrupted gas supply. Switch-over between the two connected cylinders or bundles occurs when the pressure of one side (the primary side) falls below a pre-set pressure level of the secondary side. The panel can also be equipped with contact gauge (C models) for automatic surveillance.

Product name	Material	bar	psi	Art. Nr
A 209	Stainless steel	14	203	6069
A 209	Stainless steel	50	725	6070
A 209/C	Stainless steel	14	203	6071
A 209/C	Stainless steel	50	725	6072

Delivery and ordering information

Double gas panel incl. 2 highly flexible connection coils (or bundle hoses) with gas type-specific cylinder connection according to DIN 477 or ISO 5145 and compression fitting in the service gas outlet. In addition to the article number, please specify the type of gas. Other configurations on request.

Application

Suitable for all applications in analysis, as well as research and development, where high demands in gas purity, accuracy, reliability are required. Recommended for applications where the gas must be kept free of oxygen and moisture, such as ECD detectors or excimer lasers.

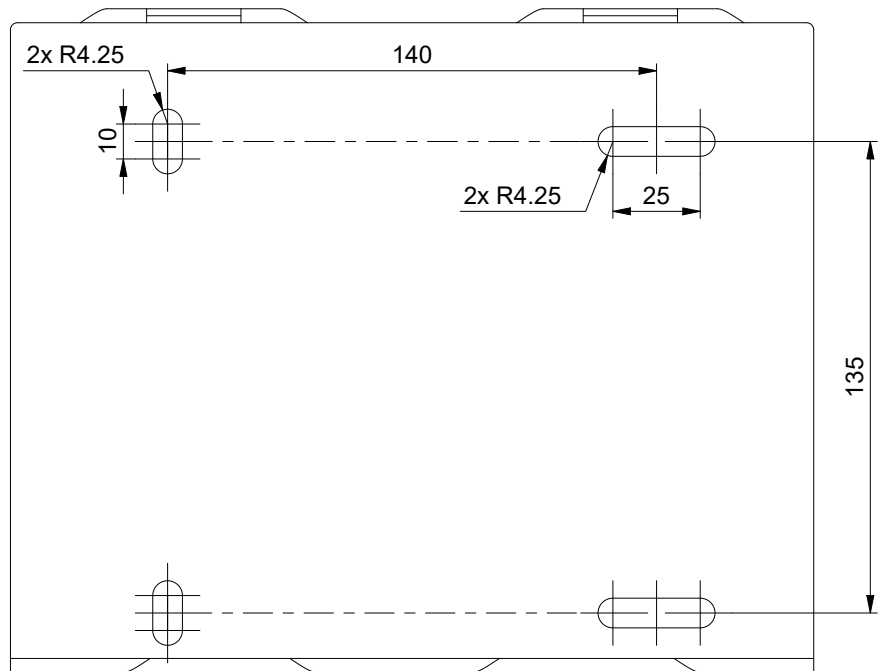
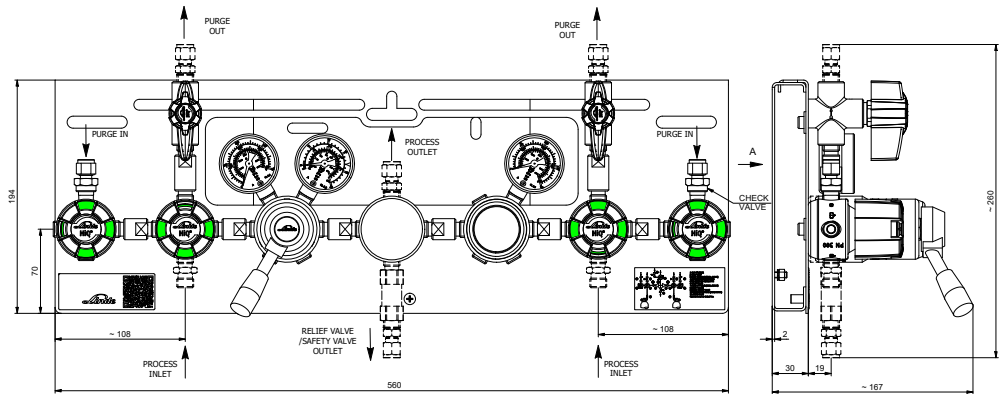
Technical Data

	bar	psi
Maximum primary pressure	300	4351
Outlet pressure	14	203
	50	725
Relief valve pressure	21.6	313.3
	65	942.7
Outlet gauge range	0 – 25	0 – 363
	0 – 80	0 – 1160
Gas purity	≤ 6.0 (99.9999%)	
Leak rate	≤ 10 ⁻⁹ mbar l/s He to the outside	
	≤ 5x10 ⁻⁶ mbar l/s He in the seat	
Connections		
- Panel		
- Service gas outlet	NPT 1/4" f	
- Relief valve outlet	NPT 1/4" f	
- Purge outlet	NPT 1/4" f	
Flow coefficient	Cv = 0.29; Kv = 0.25	
Materials		
- Casing	Stainless steel	
- Membrane	Hastelloy®	Elgiloy®
- Seat seal	PCTFE	
- Seal relief valve	FKM / EPDM	(according to gas type)
Operating temperature	-20°C ... +60°C	-4°F ... +140°F
Particle filter	Inlet 100 µm – Outlet 100 µm	
Cylinder connection	DIN 477 or ISO 5145	
Weight	10.9 kg max.	24.1 lb max.

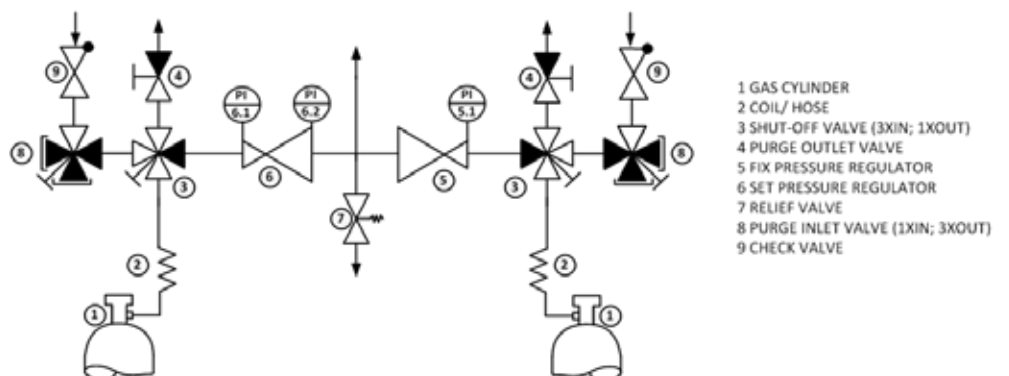


- Other accessories** Gas type-specific connection, coils, bundle hoses, brass or stainless steel compression fittings from 3 to 12 mm or 1/8" to 1/2" for service gas, purge gas and exhaust gas outlets, expansion to 2x2 to 2x4 cylinders, blow-off line, contact pressure gauge, low gas level indicator.
- Quality Assurance** Pressure regulators made of chrome-plated brass are tested according to ISO 7291 (including oxygen burn-out test). Main shut-off valves made of chrome-plated brass have the oxygen burn-out test according to EN ISO 10297. The equipment meets the requirements of DIN EN ISO 80079-36, IEC TS 60079-32-1 and the German TRGS 727. It can be used in EX-Zone 1 and 2 for gases with explosion risk group I, IIA, IIB, IIC. Separate mounting of the base plate. Simple hooking of the pressure control panel into the base plate and secure fastening with one screw. Due to the cut-outs in the front plate, the installed pressure gauges can be changed without dismantling the panel.

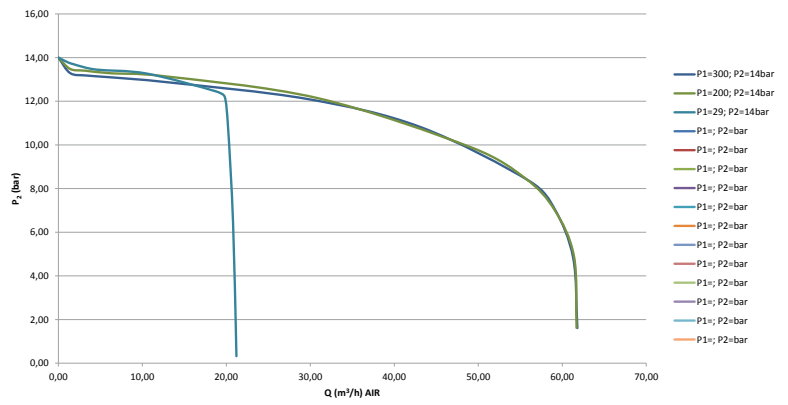
A 209



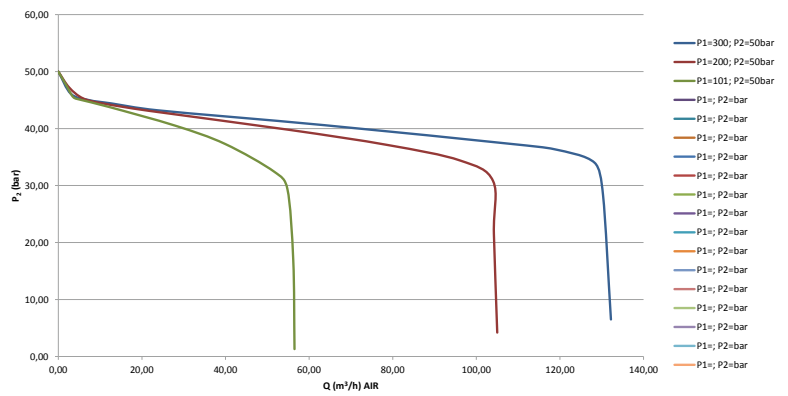
All dimensions in millimeters



A 209 – 14 bar



A 209 – 50 bar



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