



BASELINE® A 107. Semi-automatic gas panel.



A 107 C4 with inlet check valves

Description Gas panel A 107 is a semi-automatic panel designed for uninterrupted supply for compressed or condensed gases. 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. This is achieved by two integrated regulators (factory-set to slightly different delivery pressure levels) which are connected at their outlet ports. The panel is mounted on a stainless steel console and consists of two pressure regulators, inlet and outlet gauges and a relief valve. A 107 semi-automatic gas panels can either be equipped with inlet shut-off valves for all gases or inlet check valves for all but oxidising gases and gas mixtures. The panel can be equipped with inductive contact gauges (/C models).

Product name	Material	BASELINE code
A 107 C2 inlet check valves*	Brass	3216
A 107 C4 inlet check valves*	Brass	3217
A 107 C2 inlet shut-off valves	Brass	3218
A 107 C4 inlet shut-off valves	Brass	3219
A 107/C C2 inlet check valves*	Brass	3220
A 107/C C4 inlet check valves*	Brass	3221
A 107/C C2 inlet shut-off valves	Brass	3222
A 107/C C4 inlet shut-off valves	Brass	3223

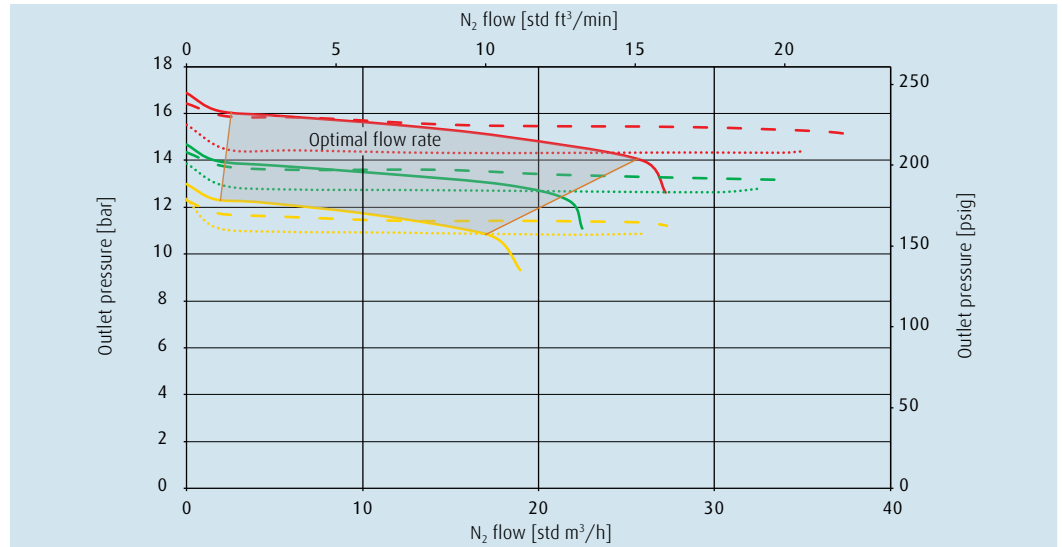
* models with inlet check valves must not be used for oxidising gases and gas mixtures

Technical data

Max. inlet pressure	230 bar	3,335 psi
Outlet pressure	14 bar (+/- 3 bar)	200 psi (+/- 44 psi)
Outlet gauge dial	0-25 bar	0-360 psi
Operating temperature	-20 - +70 °C	-4 - +158 °F
Relief valve set pressure	21.6 bar	313 psi
Connection options	C2: 1+1 cylinder with coils or hoses, C4: 2+2 cylinders with hoses, additional cylinders with extension manifold	
Process gas in	NPT ¼" female	
Process gas out	NPT ¼" female	
Material:		
- Housing	Brass, Ni/Cr plated	
- Seals	PVDF	
- Diaphragm	Stainless steel	

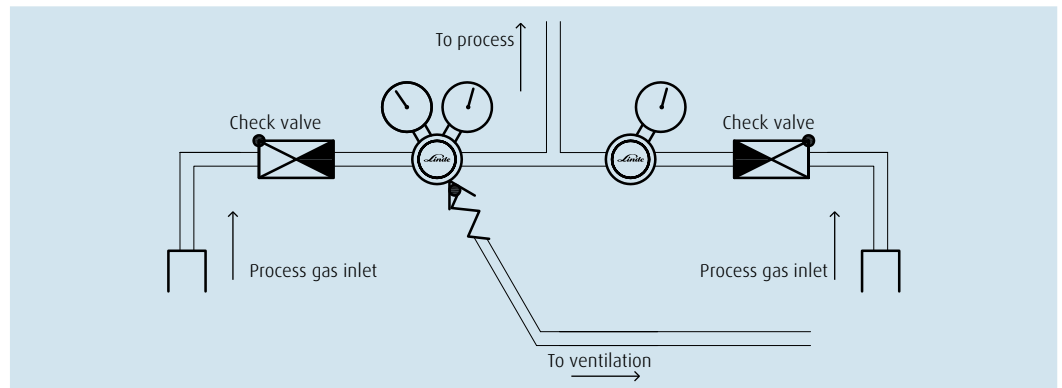


Flow characteristics

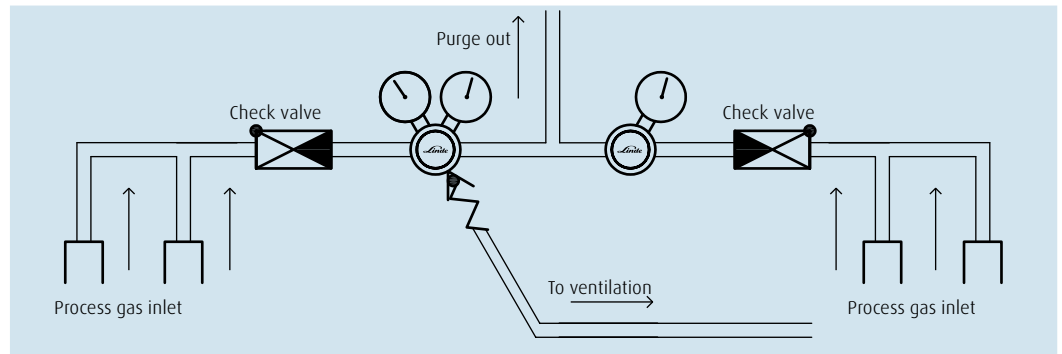


Inlet pressure: — 33 bar (478.5 psig) 200 bar (2900 psig) - - - 100 bar (1450 psig), — 29 bar (420.5 psig)
 200 bar (2900 psig) - - - 100 bar (1450 psig), — 25 bar (362.5 psig) 200 bar (2900 psig) - - - 100 bar (1450 psig)

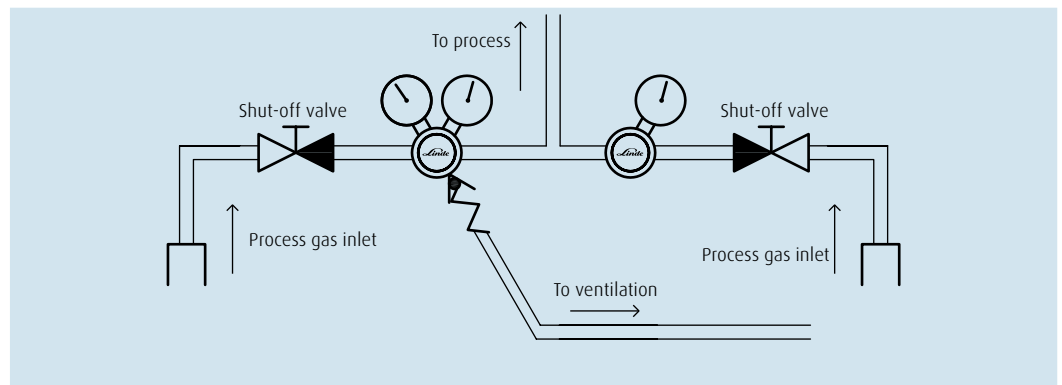
PI diagram



A 107 C2 with inlet check valves

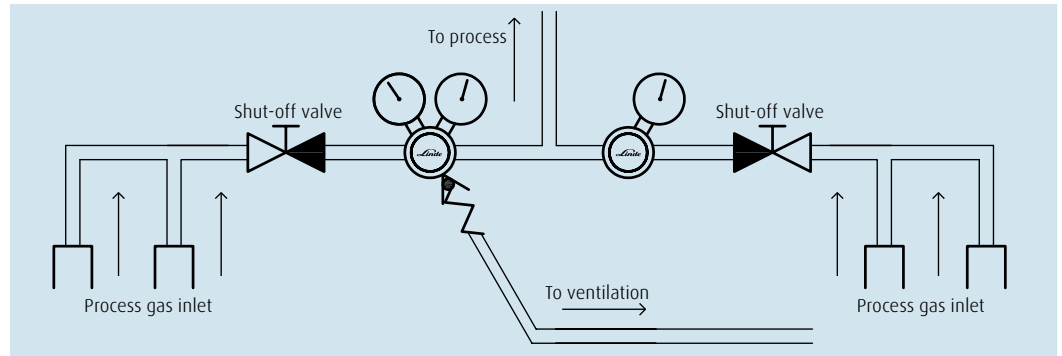


A 107 C4 with inlet check valves



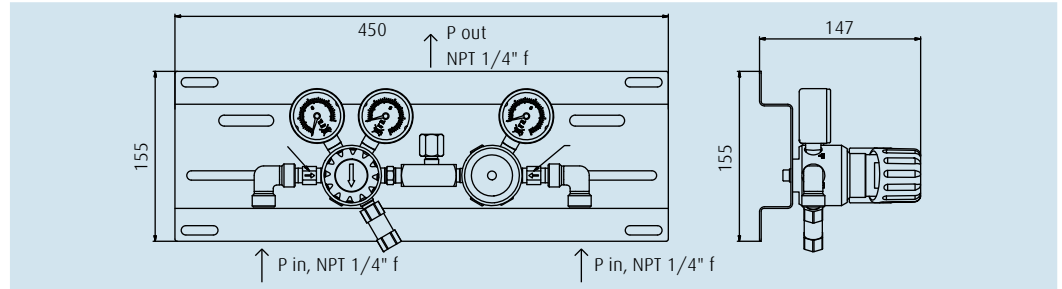
A 107 C2 with inlet shut-off valves

PI diagram

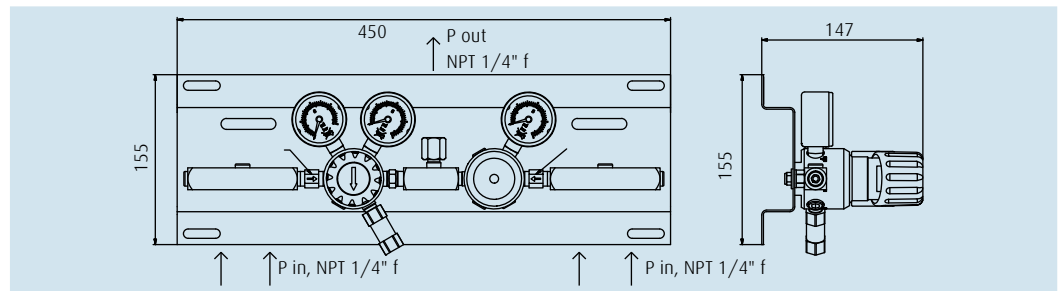


A 107 C4 with inlet shut-off valves

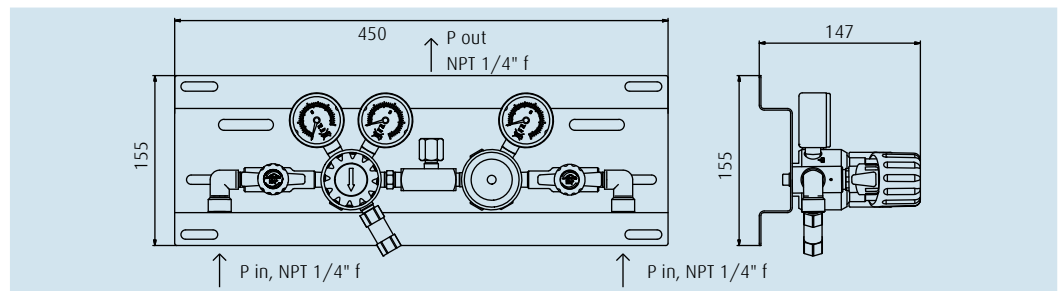
Drawing



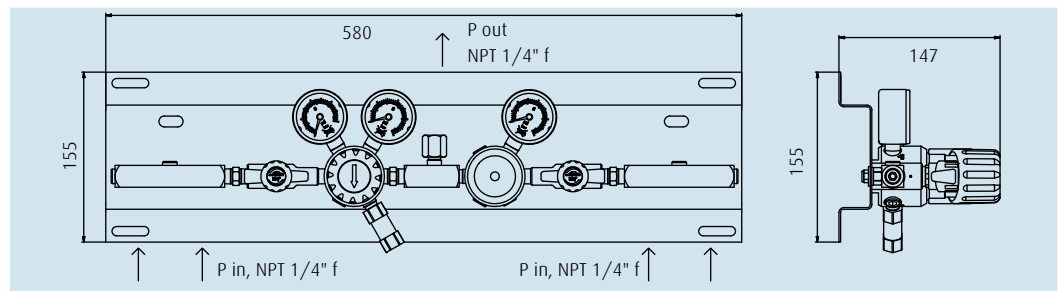
A 107 C2 with inlet check valves



A 107 C4 with inlet check valves



A 107 C2 with inlet shut-off valves



A 107 C4 with inlet shut-off valves

