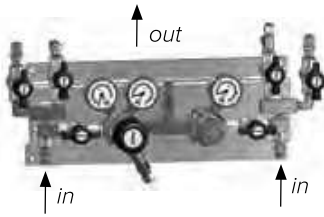
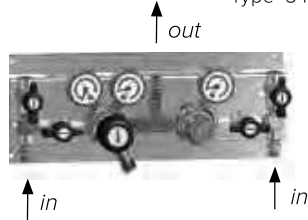


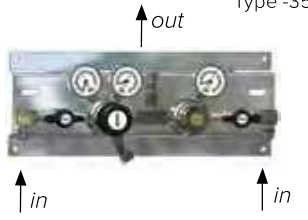
GAS SUPPLY MANIFOLDS BMD 320-34/35/39



Type -34



Type -35



Type -39

Single-stage,
for inert, reactive, flammable and oxidizing gases and gas mixtures,
purity max. 5.0,
Inlet pressure 230 bar / 3300 psi, preset Outlet pressure 14 bar – 200 psi

SPECIAL FEATURES

- > Uninterrupted gas supply with semiautomatic switch over
- > Indicator for active cylinder
- > Low gas alarm signal with contact gauges (optional)
- > Upgradable to max. 2x4 cylinders

DESCRIPTION

Pressure decreases in the active cylinder (or bundle) below a preset level which causes a semi-automatic switch over to the full cylinder. This is achieved by two integrated pressure regulators (preset to slightly different delivery pressure levels), connected at their outlet ports. Moving the handwheel towards the full bank allows for the disconnection and replacement of empty cylinders without interruption to the gas flow. The use of contact gauge (accessories) in conjunction with alarm box (accessories) facilitates the monitoring of gas reserves.

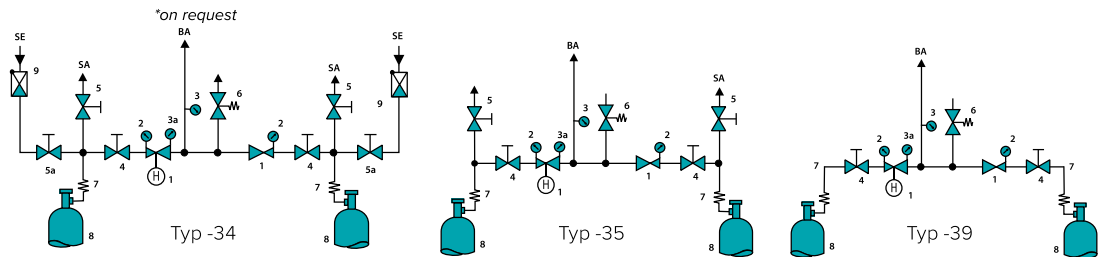
APPLICATION

These gas supply panels, with semi-automatic switch over, are optimally used when it is when uninterrupted gas supply is required.

FLOW SCHEMATIC

- 1 Pressure regulator
- 2 Upstream pressure gauge
- 3 Downstream pressure gauge
- 4 Process gas valve
- 5 Purge gas outlet valve
- 5a Purge gas inlet valve
- 6 Relief valve
- 7 Connection spirals/Hoses
- 8 Gas cylinder
- 9 Check valve
- 3a Middle pressure gauge
- H Change over hand wheel
- BA Process gas outlet
- SA Purge gas outlet
- SE Purge gas inlet

TECHNICAL DATA	
Body:	Stainless steel 316L (1.4404) specially cleaned or brass CW614 (CuZn39Pb3) specially cleaned, nickel-plated and chrome-plated
Relief valve:	Outlet NPT 1/4" f
Body seals:	PCTFE (SS), PVDF (Brass)
Seat seals:	PCTFE
Relief valve seat seals:	SS: FKM, (EPDM, FFKM)*, Bras: EPDM, (FKM)*
Pressure gauge range:	0 – 25 bar (0 – 365 psi), 0 – 315 bar (0 – 4500 psi)
Dimensions (w×h×d):	approx. 400×155×200 mm
Weight:	approx. 5.0 kg (BMD 320-39)
Preset downstream pressure:	14 bar +/- 2 bar ; 200 +/- 30 psi
Flow rate:	20 Nm ³ /h N ₂ (14 bar - type at 29 bar inlet pressure.)
Inlet:	NPT 1/4" f , M 14×1.5 (optional)
Outlet:	NPT 1/4" f, optional tube fitting



ORDER CODE

Type	Material	Inlet pressure	Outlet pressure	Inlet	Outlet**	Contact gauge	Extension Mfold
BMD 320-39	BC	F	MSD14	N14	CL6 BC	Ki	M
BMD 320-34	BC = brass	F = 230 bar/3300 psi	MSD14 = 14 bar/200 psi	N14 = NPT 1/4" f	0 = NPT 1/4" f	0 = without	0 = without
BMD 320-35	chrome-plated			M14×1.5m	CL6, CL8**	Ki = with	M2 = 2×2 Cylinders
BMD 320-39	SS = stainless steel			(optional)	CL10, CL12		M3 = 2×3 Cylinders
					BC = brass		M4 = 2×4 Cylinders
					chrome-plated		
					SS = stainless steel		

It is necessary to have a gas specific connection to the gas supply for an efficient installation and use of this station, see accessories chapter "cylinder connection".

**Outlet: CL... = compressed fitting for ... mm outside diameter, NO... = hose connector for ... mm hose inside diameter.