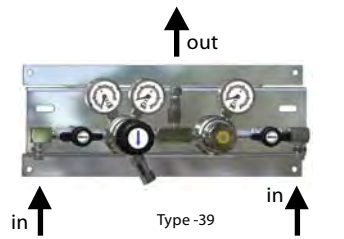
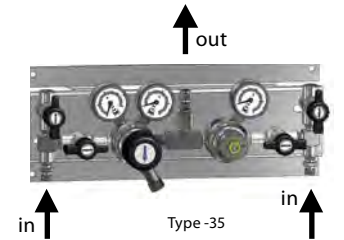
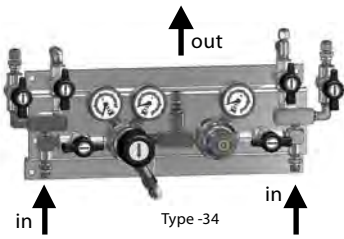


GAS SUPPLY MANIFOLDS BMD 320-39



Single-stage, for inert, reactive, flammable and oxidizing gases and gas mixtures, purity max. 5.0, inlet pressure 230 bar / 3300 psi, preset downstream 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 to 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 lever 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.

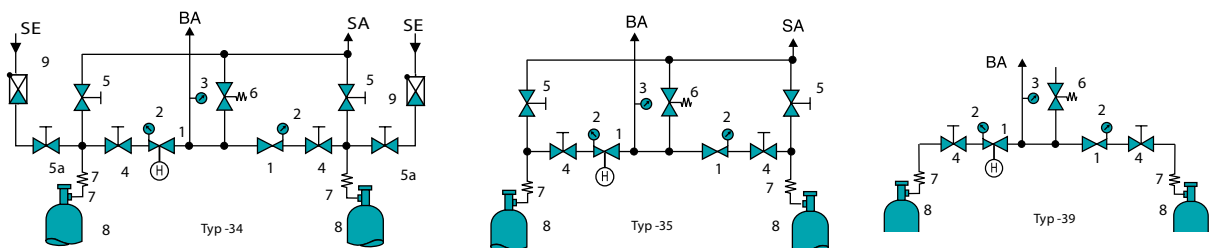
TECHNICAL DATA

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:	FKM, (EPDM, FFKM)*, EPDM, (FKM)*
Pressure gauge range:	-1 - 18 bar (-15 - 260 psi) / 0 - 315 bar (0 - 4500 psi)
Dimensions (wxhxd):	approx. 400x155x200 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 14x1.5 (optional)
Outlet:	NPT 1/4"f, optional tube fitting

*on request

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
- 8 Gas cylinder
- 9 Check valve
- H Change over hand wheel
- BA Process gas outlet
- SA Purge gas outlet
- SE Purge gas inlet



ORDER CODE

Type	Material	Upstream pressure	Downstream pressure	Inlet	Outlet	Contact gauge	Extension Mfold	Gas type
BMD 320-39	BC	F	14	N14	CL6 BC	Ki	M	GAS
BMD 320-34	BC = brass	F = 230 bar	14 = 14 bar/	N14 =	0=NPT 1/4"f	0 =	0 = without	Please specify
BMD 320-35	chrome-plated	/3300 psi	200 psi	NPT 1/4"f	CL6, CL8**	without	M2 = 2x2	
BMD 320-39	SS = stainless steel			M14x1.5 (optional)	CL10, CL12	Ki = with	Cylinder M3 = 2x3 Cylinder M4 = 2x4 Cylinder	

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 FA 500" **Outlet: CL6 = tube fitting for tube 6 mm,(0 = without). Please note the "burst rate chart" when choosing the tube fittings in chapter 5.