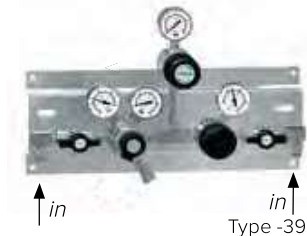
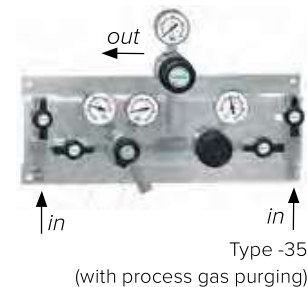
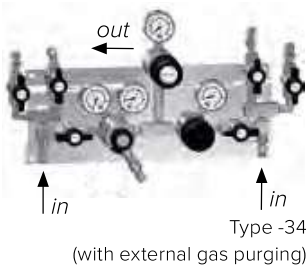


GAS SUPPLY MANIFOLDS BMD 322-35/39 SEMI-AUTOMATIC - DUAL STAGE



- 1 Pressure regulator 1st stage
- 1a Pressure regulator 2nd stage
- 2 Upstream pressure gauge
- 3 Downstream pressure gauge
- 3a Middle pressure gauge
- 4 Process gas valve
- 6 Relief valve
- 7 Connection spirals/Hoses
- 8 Gas cylinder
- H Change over hand wheel
- BA Process gas outlet

Dual-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. 2×4 cylinders

DESCRIPTION

Pressure decreases in the active cylinder (or bundle) below a preset hand wheel 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. Rotation by hand wheel with the arrow to direction of full bank allows for the disconnection and replacement of empty cylinders without interruption to the gas flow.

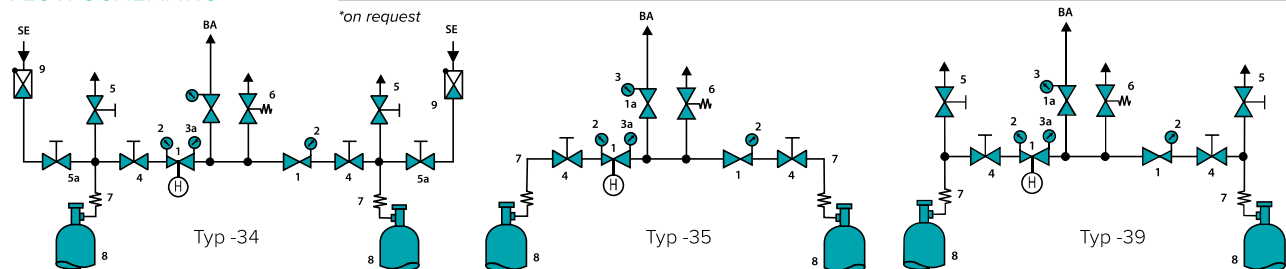
The use of contact gauge (accessories) in conjunction with alarm box (accessories) facilitates the monitoring of gas reserves.

APPLICATION

These gas supply panels, with semi-automatic switch over, are optimally used when it is 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, downstream pressure > 50 bar RV on request
Body seals:	PCTFE (SS), PVDF (Brass)
Seat seals:	PCTFE
Relief valve seat seals:	SS: FKM, (EPDM, FFKM)*, Brass: EPDM, (FKM)*
Pressure gauge range:	0 – 10 bar (0 – 145 psi)/0 – 18 bar (-15 – 260 psi)/0 – 315 bar (0 – 4500 psi)
Dimensions (w×h×d):	approx. 400×155×200 mm
Weight:	approx. 6.0 kg (BMD 322-39)
Flow rate:	10 Nm ³ /h N, (10 bar - type at 21 bar inlet pressure)
Inlet:	NPT 1/4" f, M 14×1.5 (optional)
Outlet:	NPT 1/4" f, optional tube fitting

FLOW SCHEMATIC



ORDER CODE

Type	Material	Inlet pressure	Outlet pressure	Inlet	Outlet**	Contact gauge	Extension MFold	Gas type
BMD 322-39	BC	F	10	N14	CL6 BC	Ki	M2	GAS
BMD 322-34	BC = brass	F = 230 bar/ 3300 psi	6 = 6 bar/ 85 psi	N14 = NPT 1/4" f	0 = NPT 1/4" f	0 = without	0 = without	Please specify
BMD 322-35	chrome-plated		10 = 10,5 bar/ 150 psi	M14×1.5 (optional)	CL6, CL8**	Ki = with	M2 = 2×2 Cylinder	
BMD 322-39	SS = stainless steel				CL10, CL12 BC = brass chrome-plated		M3 = 2×3 Cylinder M4 = 2×4 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".

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