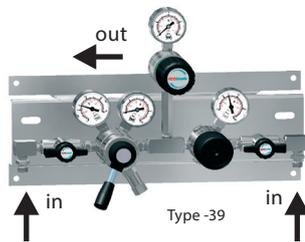
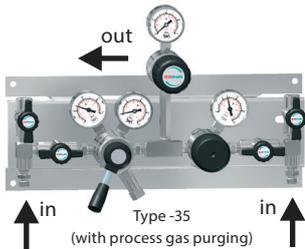
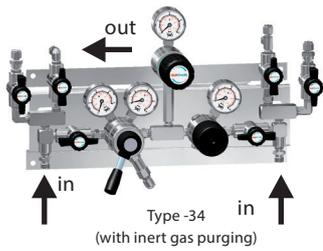


GAS SUPPLY MANIFOLDS BMD 502/532-34/-35/-39



- 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
- 5 Purge outlet valve
- 5a Purge inlet valve
- 6 Relief valve
- 7 Connection spirals
- 8 Gas cylinder
- 9 Check valve
- H Lever
- BA Process gas outlet
- SA Purge outlet
- SE Purge inlet

**Dual-stage,
for inert, reactive, flammable and oxidizing gases
and gas mixtures,
purity max. 6.0,
inlet pressure 230/315 bar / 3300/4500 psi,
downstream pressure range 0.2 -10.5 bar/ 1 - 150 psi**

SPECIAL FEATURES

- Uninterrupted gas supply with semi-automatic switch over
- Downstream pressure is independent of the upstream pressure
- Active cylinder indicator
- Low gas alarm signal with contact gauges (optional)
- Upgradable to max. 2x4 Cylinder

DESCRIPTION

Pressure decrease in the active cylinder (or bundle) below a preset level causes a semi-automatic switch over to the full cylinder. Moving the lever towards the full bank allows for the disconnection and replacement of empty cylinders without interruption of gas supply. The use of contact gauge (accessories) in conjunction with alarm box (accessories) facilitates the monitoring of gas reserves. Vent piping for connection to the relief valve (on type -34 included) can be ordered optionally for type -35.

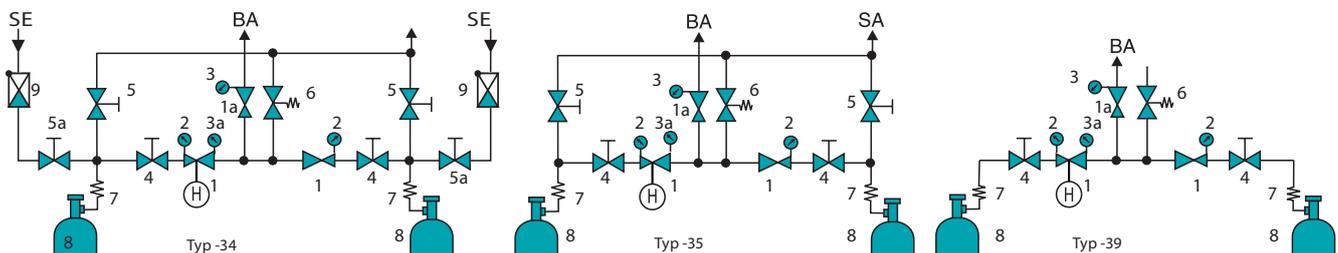
APPLICATION

This gas supply panels are always chosen when a low and constant downstream pressure is required, independent of the changes in the upstream pressure and an uninterrupted gas supply with semi-automatic change over is needed.

TECHNICAL DATA

Body:	stainless steel 316L (1.4404) specially cleaned and electro-polished or brass CW614 (CuZn39Pb3) specially cleaned, nickel-plated and chrome-plated
Relief valve:	outlet NPT 1/4" f
Seat seals 1st stage:	PCTFE, 2nd stage PTFE
Body seals:	PCTFE (SS), PTFE (Brass)
Relief valve seat seals:	SS: FKM, (EPDM, FFKM)*, Brass: EPDM, (FKM)*,
Pressure gauge range:	-1-5 bar (-15-75 psi), -1-10 bar (-15-145 psi), -1-18 bar (-15-260 psi), 0-315 bar (0-4500 psi), 0-400 bar (0-5800 psi)
Dimensions (wxhxd):	approx. 400x280x200 mm
Weight:	approx. 6.7 kg (BMD 502-35)
Purge inlet and outlet:	Tube fitting 6 mm (BMD 502-34)
Inlet:	NPT 1/4" f, M 14x1.5 (optional)
Outlet:	NPT 1/4" f, optional tube fitting

*on request



ORDER CODE

Type	Material	Upstream pressure	Downstream pressure	Inlet	Outlet	Contact gauge	Vent piping	Extension bars	Gas type
BMD 502-35	BC	F	3	N14	CL6 BC	Ki	A	M	GAS
BMD 502-34	BC = brass	F = 230 bar	3 = 0.2 - 3 bar/ /3300 psi	N14 =	0=NPT 1/4" f	0 = without	0 = without	0 = without	Please specify
BMD 502-35	chrome-plated			NPT 1/4" f	CL6, CL8**	Ki = with	A = with	M2 = 2x2 Cylinder	
BMD 502-39	SS = stainless			M14x1.5 (optional)	CL10, CL12		(On type-35 only in combination with AV)	M3 = 2x3 Cylinder	
300 bar Versions: steel		G = 315 bar	7 - 85 psi		BC = brass chrome-plated			M4 = 2x4 Cylinder	
BMD 532-34		/4500 psi	10 = 1 - 10.5 bar		SS = stainless				
BMD 532-35			/15 - 150 psi		steel				
BMD 532-39									

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.