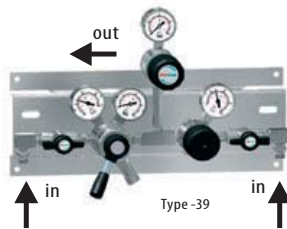
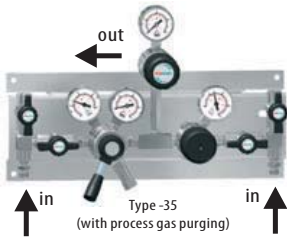
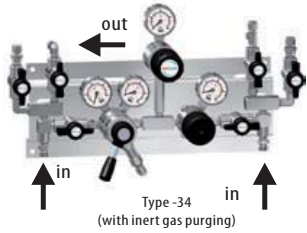


## Gas supply manifolds BMD 502/532-34/-35/-39



**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

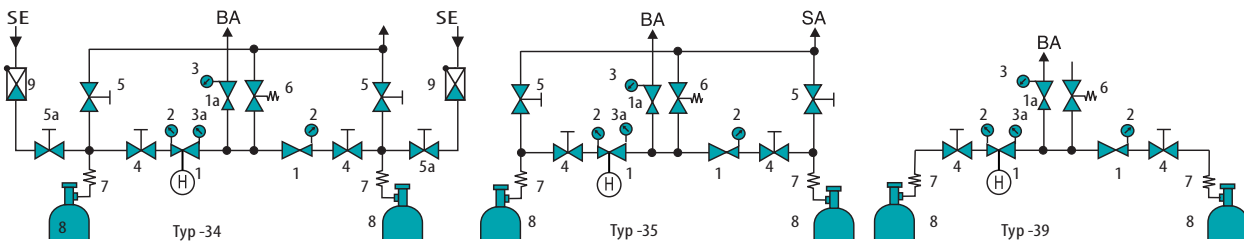
This gas supply panels are always chosen when a low and constant downstream pressure is required, independent of the changes in the upstream pressure and an uninterrupted gas supply with semi-automatic change over is needed.

### 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 (w×h×d):	approx. 400×280×200 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 14×1.5 (optional)
Outlet:	NPT 1/4" f, optional tube fitting

\*on request

- 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



### Order code

Type	Material	Upstream pressure	Downstream pressure	Inlet	Outlet	Contact gauge	Vent piping	Extension bars	Gas type
<b>BMD 502-35 BC</b>	<b>F</b>	<b>3</b>	<b>N14</b>	<b>CL6 BC</b>	<b>Ki</b>	<b>A</b>	<b>M</b>	<b>Gas</b>	
BMD 502-34	BC = brass	F = 230 bar / 3300 psi	3 = 0.2 - 3 bar / 3 - 45 psi	N14 = NPT 1/4" f	0 = NPT 1/4" f 0 = without CL6, CL8** CL10, CL12	0 = without Ki = with	0 = without A = with (On type-35 only in combination with AV)	0 = without M2 = 2×2 M3 = 2×3 Cylinder M4 = 2×4 Cylinder	Please specify
BMD 502-39	chrome-plated	G = 315 bar / 4500 psi	6 = 0.5 - 6 bar / 7 - 85 psi 10 = 1 - 10.5 bar / 15 - 150 psi	M14×1.5 (optional)	BC = brass chrome-plated SS = stainless steel				
300 bar Versions:	SS = stainless steel								
BMD 532-34	steel								
BMD 532-35									
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.