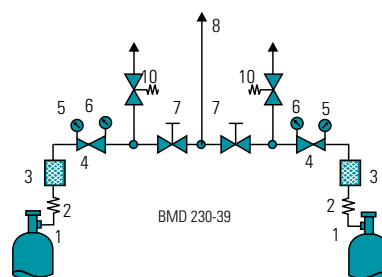
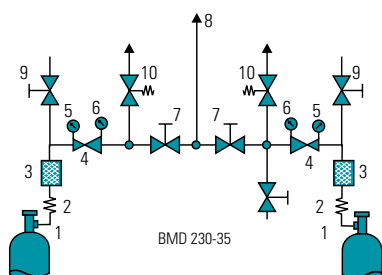


**Single-stage,
for inert, flammable gas and gas mixtures and oxygen,
purity max. 5.0
inlet pressure 300 bar / 4300 psi,
outlet pressure 14 bar / 200 psi**

Highlights

- ▲ Continuous gas supply by automatic switch over
- ▲ Definite indication of active cylinder
- ▲ Process gas purging (version -35)
- ▲ Extendable max. 2 x 5 cylinders
- ▲ Low pressure warning by means of contact pressure gauges (optionally available)

Flow schemes



- | | |
|------------------------|-------------------------|
| 1 Cylinder connection | 6 Outlet pressure gauge |
| 2 Connection spirals | 7 Shut-off valve |
| 3 Inlet filter | 8 Valve purge |
| 4 Pressure regulator | 9 Purge shut-off valve |
| 5 Inlet pressure gauge | 10 Relief valve |

Features

The BMD 230-39/-35 is a one-stage gas manifold for 2 (max. 2 x 5) gas cylinders. A pressure decrease of the active cylinder (or bundle) below a preset level causes a pressure-activated, automatic switch over to the full cylinder side. This is achieved by 2 integrated regulators, the first factory preset and the second adjustable (+/-2 bar resp. 30 psi).

Before replacing the empty cylinder, the lever has to be moved towards the full battery side, this allows to disconnect and replace the empty cylinder without interrupting gas supply. After emptying the second battery side, this procedure can be repeated, now switching to the prior active side. The lever always indicates, which cylinder has priority in being discharged. Contact pressure gauges (Ki) (optionally available), connected to the low pressure alarm box, indicate optical and audible alarm in case of decreasing manifold pressure. That ensure that empty tanks will be replaced in time.

Technical data

Body:	brass CW 617 CuZn40 Pb2, chrome-plated
Seat seal:	Polyamid 6.6, Zytel 103
Sealing material:	NBR 70°- 80°SH
Sealing relief valve seat:	EPDM 70° Sh - Rubber
Performance data:	see chapter 5.1
Basic design aspects:	see page 35
Preset outlet pressure:	14 bar / 200 psi
Weight (230-35):	ca. 1,4 kg
Inlet gauge ind. range:	0 – 400 bar / 0 - 5800 psi
Outlet gauge ind. range:	0 – 40 bar / 430 psi

Order code

Type	Material	Inlet pressure	Outlet pressure	Inlet conn.	Outlet conn.	Contact pressure gauge	Gas type
BMD 230-39	BC	G	14	N14	N14	Ki	Gas
BMD 230-39	BC = brass	G = 300 bar/4300 psi	14 = 14 bar/ 0 - 200 psi	N14 = NPT 1/4"	N14 = NPT 1/4"	0 = without Ki = with	Specification of used gas
BMD 230-35							

For proper installation and service of this panel a gas specific spiral connection tube is necessary. See in chapter Accessory page 94".
Outlet: (expl.: CL6=tube fitting with outer diameter 6 mm, 0 = without)