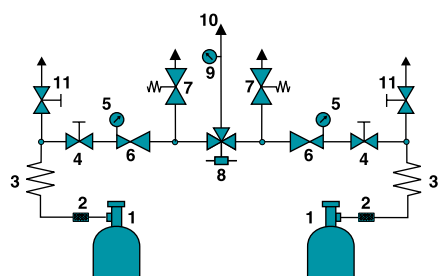


Control unit



- 1 Cylinder connection
- 2 Flexible hose filters
- 3 Flexible hose
- 4 Process gas valve
- 5 Inlet gauge
- 6 Pressure regulator
- 7 Relief valves
- 8 3/2 way solenoid valve
- 9 Outlet gauge
- 10 Process gas outlet
- 11 Exhaust gas valve

Ex - Version on request

**Single-stage,
for inert, reactive and oxidizing gas and gas mixtures,
purity max. 5.0,
inlet pressure 230 bar/ 3300 psi,
outlet pressure setting 3 - 12 bar / 50 - 175 psi**

Highlights

- ▲ Uninterrupted gas supply with full automatic change over
- ▲ No differential pressure needed for change over
- ▲ Floating ground contact for alarm transmission
- ▲ Independent adjustable pressure regulator levels
- ▲ Audible and optical gas lack monitoring with adjustable contact gauges
- ▲ Extendable max. 2 x 5 cylinders

Features

Consisting of two single-stage pressure regulators with inlet pressure gauges, the outlet pressure level is left and right individually adjustable and monitored at an outlet pressure gauge. A solenoid valve and a control unit allows individual change over to the remaining full cylinder by adjusting contact gauges to preset pressure levels. An 3/2-way pure gas solenoid valve prevents the gas reflux to the preempted cylinder.

Application

This gas panel supplying is necessary component, wherever uninterrupted process gas supply with full automatic change over is needed.

Technical data Gas panel

Housing:	brass CW614 (CuZn39Pb3) specially cleaned, chrome-plated
Seat sealing:	PCTFE
Body sealing:	PVDF (brass), FPM (3-2 way valve)
Relief valve seat material	FKM, (EPDM, FFKM)*, EPDM, (FKM)*
	*on request
Performance data:	see chapter 5.1
Basic design aspects:	see page 10
Pressure gauge range:	-1 - 18 bar (-15 - 260 psi), 0 - 315 bar (0 - 4500 psi)
Dimensions (WxHxD):	400 x 155 x 160 mm
Weight:	6,0 kg
Purge gas outlet:	NPT 1/4" female
Inlet:	M 14 x 1,5

Gauges and valves

Switch over voltage gauges:	12 V
Switch over voltage sol. valves:	230 V AC
Electrical connection valves:	Putting flag acc. DIN 43650A for equipment plug socket

Control Unit

Power supply:	230 V, 50 Hz
Working temperature:	0 to 55 °C
Dimension LxBxH:	200 x 120 x 95 mm
Weight:	1,2 kg
Signal lamps:	yellow: the actual selected cylinder, red: cylinder empty, green: power supply OK
Buttons:	manual selection cylinder A, manual selection cylinder B, alarm acknowledging

Order code

Type	Material	Inlet pressure	Outlet pressure	Inlet conn.	Outlet conn.	Control Unit	Gas type
BMD 500-35 DS	BC	F	12	N14	CL6 BC	SE500	Gas
BMD 500-35 DS	BC = brass	F = 230 bar/3300 psi	12 = 3 - 12 bar/ 45 - 175 psi individual settings between 3 and 12 bar possible	N14 = NPT 1/4"	0 = without CL6, CL8, CL10, CL12, BC = brass, SS = stainless steel	without SE500	Specification of used gas

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).