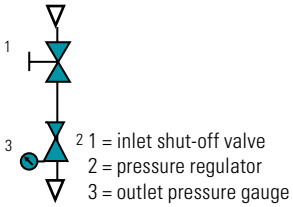
Flow scheme



Single-stage,
for inert, reactive, flammable and oxidizing gas and gas mixtures,
purity max. 6.0,
inlet pressure 40 bar/ 600 psi,
outlet pressure range 0,1 bar abs. - 10,5 bar / 1,4 psi abs. - 145 psi

Highlights

- **Inlet valve with 90° shut-off function**
- **Clear open/closed position of shut-off valve**

Features

The EMD 500-06 consists of inlet shut-off valve, pressure regulator, outlet pressure gauge and panel for wall mounting and mounted on aluminium panel,

Application

The EMD 500/510-06 is designed for the second pressure stage inside of a central gas supply system to reduce line pressure to a certain supply pressure level required at the point of use.
The pressure regulator MD 510 reduces to very low pressure levels down to 0,1 bar absolute and is also suitable for vacuum dosing.

Technical data

Body material:	stainless steel 316L (1.4404) specially cleaned and electro-polished or brass CW614 (CuZn39Pb3) specially cleaned, chrome-plated , 4 in-/outlet borings
Seat sealing:	PTFE
Body sealings:	PCTFE (SS), PVDF (brass)
Performance data:	see chapter 5.1
Basic design aspects:	see page 10
Pressure gauge range:	-1 - 1,5 bar (-30inHg - 40 psi) -1 - 5 bar (-15 - 75 psi) -1 - 10 bar (-15 - 145 psi) -1 - 18 bar (-15 - 260 psi)
Weight:	0,8 kg
Dimensions (wxhxd):	90 x 260 x 135 mm
Inlet/Outlet:	NPT 1/4" f

Order code

Type	Material	Inlet pressure	Outlet pressure	Inlet conn.	Outlet conn.	Gas type
EMD 500-06	**BC**	**E**	**1**	**CL6 BC**	**CL6 BC**	**Gas**
EMD 500-06 EMD 510-06	BC = brass SS = stainless steel	**EMD 500-06:** E = 40 bar/600 psi **EMD 510-06:** 12 bar / 175 psi	**EMD 500-06:** 1 = 0,1 - 1 bar/1,5 - 15 psi 6 = 0,5 - 6 bar/7 - 85 psi 10 = 1 - 10 bar/ 15 - 145 psi **EMD 510-06:** 2 = 0,1 - 1 bar abs. / 1,5 - 15 psi abs. 3 = 0,1 - 2 bar abs. / 1,5 - 30 psi abs.	0 CL6, CL8 CL10, CL12 BC = brass SS = stainless steel	0 CL6, CL8 CL10, CL12 BC = brass SS = stainless steel	Specification of used gas

Outlet: (expl.: CL6=tube fitting with outer diameter 6 mm, 0 = without)