

Point-of-use regulators EMD 500/510-06



Single-stage,
for inert, reactive, flammable and oxidizing gases
and gas mixtures,
purity max. 6.0,

inlet pressure: 40 bar/ 600 psi /EMD 500
12 bar/ 175 psi /EMD 510

downstream pressure range:
EMD 500: 0.2 bar - 10.5 bar / 3 psi - 85 psi,
EMD 510: 0.2 bar abs. - 3 bar / 3 psi abs. - 45 psi.

Special features

- Upstream valve with 90°-shut-off function
- Clear open/closed indicator for shut-off valves

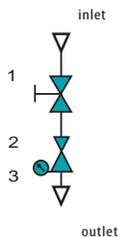
Description

The EMD 500-06 consists of an upstream shut-off valve, pressure regulator, downstream gauges and Aluminium panel for wall mounting. A relief valve can be ordered as an optional extra.

Application

The EMD 500/510-06 is designed as an access point to a central gas supply system and thereby designed as a second stage, whereby the line pressure of apparatuses up to 0.2 bar absolute can be regulated downward. The EMD 510 is also suitable for sub-atmospheric pressure regulation.

Flow schematic



- 1 Upstream shut-off valve
- 2 Pressure regulator
- 3 Downstream gauge
- 4 Relief valve

Technical Data

Body:	stainless steel 316L (1.4404) specially cleaned and electro-polished or brass
	CW614 (CuZn39Pb3) specially cleaned, nickel-plated and chrome-plated
Seat seals:	PTFE
Body seals:	PCTFE (SS), PVDF (Brass)
Performance data:	see chapter 5
Basic design aspects:	see page 13
Pressure gauge range:	0 - 1.5 bar (0 - 40 psi)
	0 - 5 bar (0 - 75 psi)
	0 - 10 bar (0 - 145 psi)
	0 - 18 bar (0 - 260 psi)
Weight:	approx. 1.95 kg
Dimensions (w×h×d):	approx. 90×260×135 mm
Inlet/Outlet:	NPT 1/4" f, optional tube fitting

Order code

Type	Material	Upstream pressure	Downstream pressure	Inlet	Outlet	Relief Valve	Gas type
EMD 500-06	BC	E	1	CL6 BC	CL6 BC	RV	Gas
EMD 500-06	BC = brass	EMD 500-06:	EMD 500-06:	0=NPT 1/4" f	0=NPT 1/4" f	0 = without	Please
EMD 510-06	chrome-plated	E = 40 bar	1 = 0.2 - 1 bar/3 - 15 psi	CL6, CL8*	CL6, CL8*	A = with	specify
	SS = stainless	/600 psi	6 = 0.5 - 6 bar/7 - 85 psi	CL10, CL12	CL10, CL12		
	steel	EMD 510-06:	10 = 1 - 10.5 bar/ 15 - 145 psi	BC = brass	BC = brass		
		D = 12 bar	EMD 510-06:	chrome-plated	chrome-plated		
		/ 175 psi	2 = 0.2 - 2 bar abs./3 - 30 psi abs.	SS = stainless	SS = stainless		
			3 = 0.2 - 3 bar abs./3 - 45 psi abs.	steel	steel		

*Outlet: CL6 = tube fitting for tube 6 mm. Please note the "burst rate chart" when choosing the tube fittings in chapter 5.