

LINE PRESSURE REGULATORS LMD 510-01/-03/-04/-05

**Single-stage,
for inert, reactive, flammable and oxidizing gases and
gas mixtures,
purity max. 6.0,
inlet pressure 12 bar/ 175 psi,
downstream pressure range 0.2 - 3 bar abs. / 3 - 45 psi abs.**

SPECIAL FEATURES

- Subatmospheric-pressure regulation
- Compact design
- 4 or 6 port configuration

DESCRIPTION

A broad application spectrum through the 4-port configuration (type-01/-04) or 6-Port-configuration (type-03/-05), which can be delivered respectively, with (type -04/-05) or without (type -01/-03) a relief valve. The use of contact gauge (accessories) in conjunction with alarm box (accessories) facilitates the monitoring of gas reserves.

Application

The pressure regulator series MD 510 reduces low upstream pressure to a very low downstream pressure down to 0.2 bar absolut and is suitable for subatmospheric-pressure regulation.

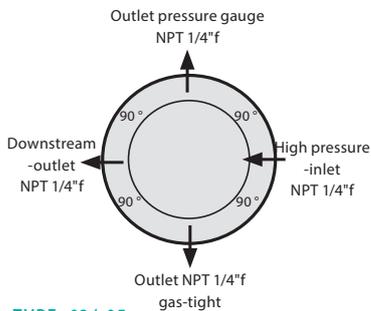
TECHNICAL DATA

Body:	stainless steel 316L (1.4404) specially cleaned and electro-polished or brass
	CW614 (CuZn39Pb3) specially cleaned, nickel-plated and chrome-plated
Seat seals:	Stainless steel: FFKM, (EPDM)*
Brass:	EPDM, (FKM)*
Body seals:	PCTFE (Stainless steel), PVDF (Brass)
Relief valve seat seals:	Stainless steel: FKM, (EPDM, FFKM)*
Brass:	EPDM, (FKM)*
Performance data:	see chapter 5
Basic design aspects:	see page 13
Pressure gauge range:	-1 - 1.5 bar (-15 - 40 psi)
	-1 - 5 bar (-15 - 75 psi)
	-1 - 18 bar (-15 - 260 psi)
Optional:	0 - 600 mbar (0 - 8.5 psi) with diameter 63 mm
Weight:	approx. 1.1 kg (type -01), 1.2kg (type -03)
Dimensions (w×h×d):	approx. 115×140 x120 to 140 mm
Inlet/Outlet:	NPT 1/4" f, optional tube fitting
Dimensions + drawing:	see page 22
	*on request

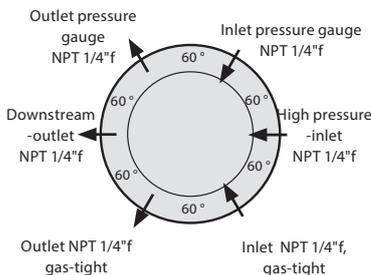


CONNECTIONS (FRONT VIEW)

TYPE -01/-04



TYPE -03/-05



ORDER CODE

Type	Material	Upstream pressure	Downstream pressure	Inlet	Outlet	Contact gauge	Gas type
LMD 510-03	BC	D	2	CL6 BC	CL6 BC	Ki	GAS
LMD 510-03	BC = brass	D = 12 bar	2 = 0.2 - 2 bar abs./	0=NPT 1/4" f	0=NPT 1/4" f	0 = without	Please specify
LMD 510-01	chrome-plated	/175 psi	3 - 30 psi abs.	CL6**	CL6**	Ki = with	
LMD 510-04	SS = stainless		3 = 0.2 - 3 bar abs./	CL8	CL8	(only for	
LMD 510-05	steel		3 - 45 psi abs.	CL10 CL12	CL10 CL12	Type -03 and -05)	
				BC = brass chrome-plated SS = stainless steel	BC = brass chrome-plated SS = stainless steel		

** Outlet: CL6 = tube fitting for 6 mm outside diameter, NO6 = hose connector for 6 mm hose inside diameter. Please note the "burst rate chart" when choosing the tube fittings in chapter 5.