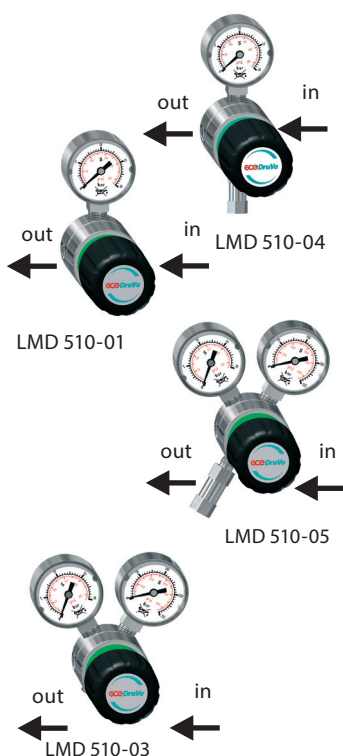


## LINE PRESSURE REGULATORS LMD 510-01/-03/-04/-05



**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

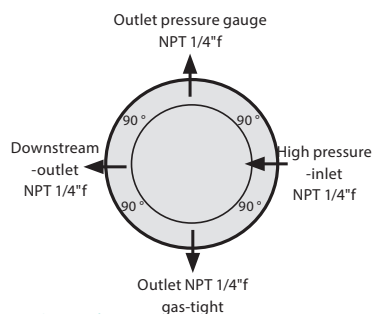
The pressure regulator series MD 510 reduces low upstream pressure to a very low downstream pressure down to 0.2 bar absolut and is suitable for subatmospheric-pressure regulation.

### TECHNICAL DATA

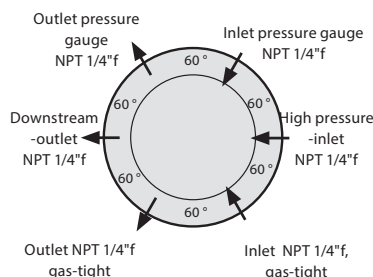
Body:	stainless steel 316L (1.4404) specially cleaned and electro-polished or brass
	CW614 (CuZn39Pb3) specially cleaned, nickel-plated and chrome-plated
Seat seals:	Stainless steel: FFKM, (EPDM)*
Brass:	EPDM, (FKM)*
Body seals:	PCTFE (Stainless steel), PVDF (Brass)
Relief valve seat seals:	Stainless 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
<b>LMD 510-03</b>	<b>BC</b>	<b>D</b>	<b>2</b>	<b>CL6 BC</b>	<b>CL6 BC</b>	<b>Ki</b>	<b>GAS</b>
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
LMD 510-01	chrome-plated	/175 psi	3 - 30 psi abs.	CL6**	CL6**	Ki = with	specify
LMD 510-04	SS = stainless		3 = 0.2 - 3 bar abs./	CL8	CL8	(only for	
LMD 510-05	steel		3 - 45 psi abs.	CL10	CL10	Type -03	
				CL12	CL12	and -05)	
				BC = brass	BC = brass chrome-		
				chrome-plated	plated		
				SS = stainless steel	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.