

## LINE PRESSURE REGULATORS LMD 522-03/-05



**Dual-stage,  
for inert, reactive, flammable and oxidizing gases  
and gas mixtures,  
purity max. 6.0,  
upstream pressure 230 bar / 3300 psi,  
downstream pressure range 0.2 - 3 bar abs. / 3 - 45 psi abs.**

### SPECIAL FEATURES

- Subatmospheric-pressure regulation
- Downstream pressure is independent of upstream pressure

### DESCRIPTION

These pressure regulators offer a broad application spectrum through the 4-port or 6-port configurations available. Type LMD 522-05 is delivered with a relief valve. The use of contact gauge (accessories) in conjunction with alarm box (accessories) facilitates the monitoring of gas reserves.

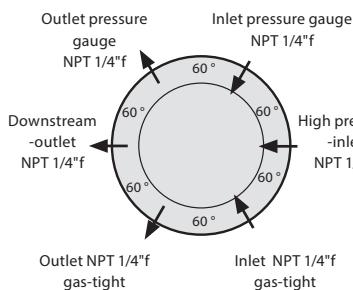
### APPLICATION

The pressure regulator series MD 522 reduces cylinder pressure to diverse very low downstream pressures down to 0.2 bar. The dual-stage design ensures that the upstream pressure remains independent of the downstream pressure. Subatmospheric-pressure regulation possible.

### 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 1st stage:	PCTFE
Seat seals 2nd stage:	Stainless steel: FFKM, (EPDM)*, Brass: EPDM, (FKM)*
Body seals:	PCTFE (SS), 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) 0 - 315 bar (0 - 4500 psi)
Option:	0 - 600 mbar (8.7 psi) with Ø 63 mm
Weight:	approx. 1.8 kg (Type -03), 1.9 kg (Type -05)
Dimensions (w×h×d):	approx. 115×140×120 - 140 mm
Inlet-/Outlet:	NPT 1/4" f, optional tube fitting *on request

### CONNECTIONS (FRONT VIEW)



### ORDER CODE

Type	Material	Upstream pressure	Downstream pressure	Inlet	Outlet	Contact gauge	Gas type
<b>LMD 522-03</b>	<b>BC</b>	<b>F</b>	<b>2</b>	<b>CL6 BC</b>	<b>CL6 BC</b>	<b>Ki</b>	<b>GAS</b>
LMD 522-03	BC = brass	F = 230 bar	2 = 0.2 - 2 bar abs./ 3 - 30 psi abs.	0=NPT 1/4" f	0=NPT 1/4" f	0 = without	Please specify
LMD 522-05	chrome-plated	/3300 psi	3 = 0.2 - 3 bar abs./ 3 - 45 psi abs.	CL6**	CL6**	Ki = with	
	SS = stainless steel			CL8, CL10	CL8, CL10		
				CL12	CL12		
				BC = brass chrome-plated	BC = brass chrome-plated		
				SS = stainless steel	SS = stainless steel		