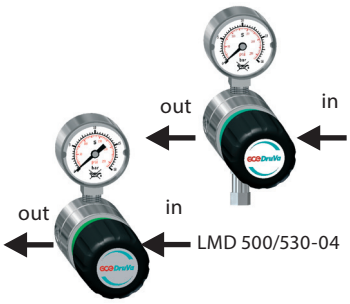
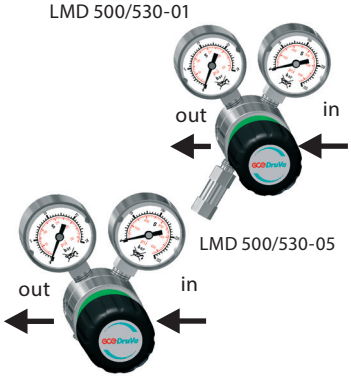
LINE PRESSURE REGULATORS LMD 500/530-01/-03/-04/-05



LMD 500/530-01



LMD 500/530-03

Single-stage,
for inert, reactive, flammable and oxidizing gases and gas mixtures,
purity max. 6.0,
inlet pressure LMD 500: 40 bar / 600 psi,
optional 230 bar / 3300 psi, LMD 530: 315 bar /4500 psi,
downstream pressure range LMD 500: 0.2 - 50 bar / 3- 725 psi,
LMD 530: 0.5- 10.5 bar / 7 - 150 psi

SPECIAL FEATURES

- Excelent pressure adjustment
- 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 respectivly, with (type -04/-05) or without(type -01/-03) a relief valve. With type-03 and type-05 the use of contact gauge (accessories) in conjunction with alarm box (accessories) facilitates the monitoring of gas reserves.

APPLICATION

The LMD 500/530 reduces line pressure to give a lower supply pressure. Through its compact design this regulator is especially well suited for use in analytical or chemical apparatuses or processes.

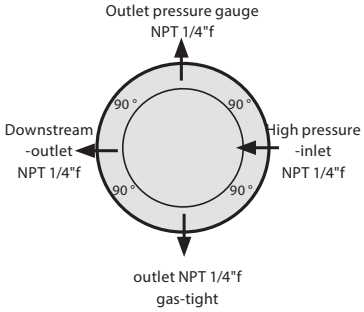
TECHNICAL DATA

Body:	stainless steel 316L (1.4404) specially cleaned and electro-polished or brass
	CW614 (CuZn39Pb3) specially cleaned, nickel-plated and chrome-plated
Seat seals:	PCTFE
Body seals:	PCTFE, PVDF (Brass)
Relief valve seat seals:	SS: FKM, (EPDM, FFKM)*, Brass: EPDM, (FKM)*
Performance data:	see chapter 5
Basic design aspects:	see page 13
Pressure gauge range:	-1 - 5 bar (-15 - 73 psi) / -1 - 10 bar (-15 - 145 psi),
	0 - 25 bar (0 - 365 psi) / 0 - 40 bar (0 - 600 psi),
	0 - 80 bar (0 - 1150 psi) / 0 - 315 bar (0 - 4500 psi)
	0 - 400 bar (0 - 5800 psi)
Weight:	approx. 1.1kg (type -01), 1.2kg (type -03)
Dimensions (w×h×d):	approx. 115×140×120 to 140 mm
Inlet/Outlet:	NPT 1/4"f, optional tube fitting

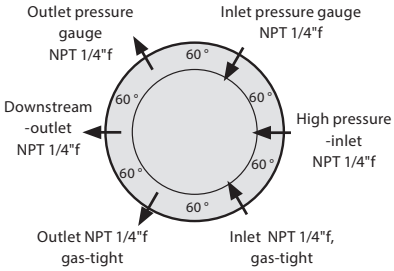
*on request

CONNECTIONS (FRONT VIEW)

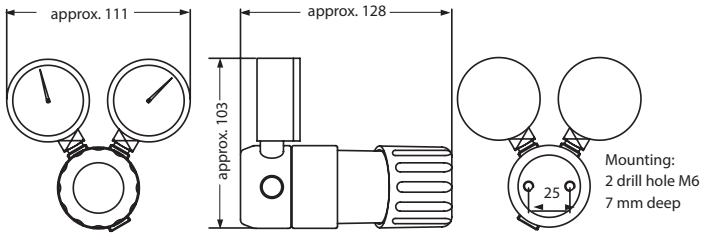
TYPE -01/-04



TYPE -03/-05



DIMENSIONS



ORDER CODE

Type	Material	Upstream pressure	Downstream pressure	Inlet	Outlet	Contact gauge	Gas type
LMD 500-01	**BC**	**E**	**3**	**CL6 BC**	**CL6 BC**	**Ki**	**GAS**
LMD 500-01 LMD 500-03 LMD 500-04 LMD 500-05 LMD 530-01 LMD 530-03 LMD 530-04 LMD 530-05	BC = brass chrome-plated SS = stainless steel	E = 50 bar / 720 psi F = 230 bar /3300 psi **LMD 530:** G=315 bar/ 4500 psi	3 = 0.2-3 bar/3-45 psi 6 = 0.5 - 6 bar/7-85 psi 14 = 1 - 14 bar/15-200 psi 50 = 2.5-50 bar/35-720 psi **LMD 530:** 6 = 0.5-6 bar/7-85 psi 10.5 = 1-10.5 bar/15-150 psi	0=NPT 1/4"f CL6** CL8 CL10 CL12 BC = brass chrome-plated SS = stainless steel	same as inlet	0 = without Ki = with (only for Type -03 and -05	Please specify

** 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.

Subject to change without notice