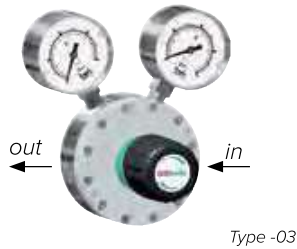
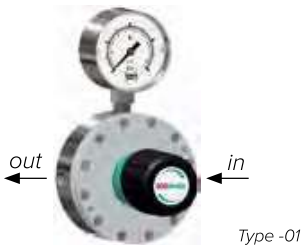


LINE PRESSURE REGULATORS LMD 545-01/-03



Single-stage,
for inert, reactive, flammable and oxidizing gases and gas mixtures,
purity max. 6.0,
Inlet pressure: 12 /40 bar
Outlet pressure range 0.02 – 3 bar

SPECIAL FEATURES

- > Low downstream pressure
- > Very fine adjustments possible
- > Higher Flow rates

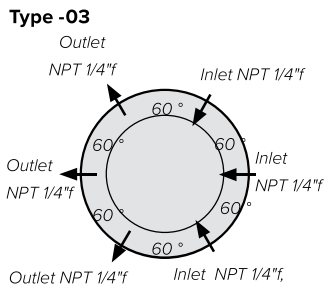
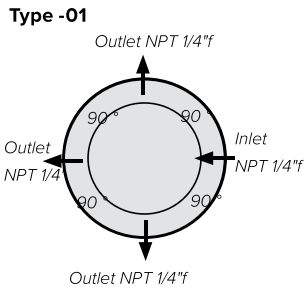
DESCRIPTION

The large housing diameter of these pressure regulator allows for a large metal diaphragm and with it a very fine adjustment of the downstream pressure by comparatively high flow rates from 0.02 bar. The Pressure regulator can be supplied in either 4-Port (LMD 545-01) or 6-Port (LMD 545-03) versions.

APPLICATION

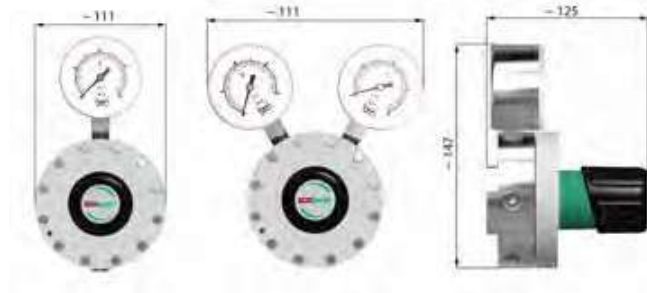
The LMD 545 reduces the line pressure by very small increments to a very low supply pressure.

CONNECTIONS (FRONT VIEW)



TECHNICAL DATA	
Body:	stainless steel 316L (1.4404) specially cleaned and electro-polished or brass CW614 (CuZn39Pb3) specially cleaned, nickel-plated and chrome-plated
Diaphragm:	Hastelloy
Upstream pressure:	12 / 40 bar
Configuration:	4-Port-Version (Type -01) or 6 Port-Version (Type -03)
Downstream pressure:	12 bar Version: 20 – 250 mbar/ 100 – 1300 mbar 0,3 – 3,6 psi/ 1,45 – 19 psi (2 – 25 kPa/ 10 – 130 kPa)
	40 bar Version: 150 – 500 mbar / 150 – 3000 mbar 2,2 – 7,25 psi/ 2,2 – 44 psi (15 – 50 kPa/ 15 – 300 kPa)
Basic design aspects:	see page 15
Seat seals:	EPDM, FKM (Brass)
Body seals:	PCTFE, PVDF (Brass)
Pressure gauge range:	600 mbar / 1.5 bar / 5 bar
Weight:	approx. 2,4 (Type -01) / 2,5 kg (Type -03)
Inlet-/Outlet:	NPT 1/4" f, optional tube fitting

DIMENSIONS



ORDER CODE

Type	Material	Inlet pressure	Outlet pressure	Inlet*	Outlet**	Gas type
LMD 545-01	BC	D	250	CL6 BC	CL6 BC	GAS
LMD 545-01	BC = brass	D = 12 bar /175 psi	250 = 20 - 250 mbar /0,3 – 3,6 psi	N14 = NPT 1/4" f	N14 = NPT 1/4" f	Please specify
LMD 545-03	chrome-plated SS = stainless steel	E= 40 bar /600 psi	1300 = 100 – 1300 mbar/1,45 – 19 psi 40 bar Version: 500 = 150 – 500 mbar/2,2 – 7,25 psi 3000 = 150 – 3000 mbar/2,2 – 44 psi	CL6/CL8 BC = brass chrome-plated SS = stainless steel	CL6 BC = brass chrome-plated SS = stainless steel	

**Outlet: CL... = compressed fitting for ... mm outside diameter; NO... = hose connector for ... mm hose inside diameter.