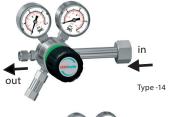
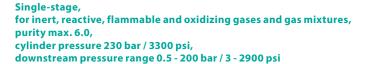


CYLINDER PRESSURE REGULATORS FMD 500-14/-16/-18









SPECIAL FEATURES

- Diaphragm valve with 90° shut-off function (FMD 500-16) or regulating valve (FMD 500-18)
- Diaphragm pressure regulator
- ATEX compliant adjustment knobs

DESCRIPTION

These pressure regulators consists of a cylinder connection, pressure regulator body, upstream and downstream pressure gauges, diaphragm shut-offvalve (type-16) regulating valve (type-18), relief valve (by downstream pressure >50bar RV on request) and outlet tube fittings. The use of contact gauge (accessories) in conjunction with alarm box (accessories) facilitates the monitoring of gas reserves.

APPLICATION

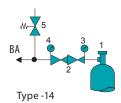
The cylinder pressure regulator series FMD 500 offers a wide range of uses and great performance. The FMD 500-14 is the basic model. The FMD 500-16 allows shut-off of the gas flow while maintaining the pressure regulator's adjustment. The regulating valve of the FMD 500-18 allows a finer apportioning of gas flow.

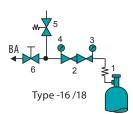
TECHNICAL DATA

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					
Seal material:	PCTFE (SS), PVDF (brass)					
Relief valve:	outlet NPT1/4"f, by downstream pressure >50bar RV*					
Relief valve seat seal:	SS: FKM, (EPDM, FFKM)*, MS: EPDM, (FKM)*					
Pressure gauge range:	-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)					
Performance data:	see chapter 5					
Basic design aspects:	see page 13					
Weight:	approx. 1.5 kg (type -14), 1.8 kg (type -16/18)					
Dimensions (w×h×d):	approx. 225× 140× 125mm					
Cylinder connections:	according to gas type, see chapter 5					
Outlet:	NPT 1/4"f, optional tube fitting					

^{*} on request

FLOW SCHEMATIC





- 1 Cylinder connection
- 2 Pressure regulator
- 3 Upstream pressure gauge4 Downstream pressure gauge
- 5 Relief valve
- 6 Downstream shut-off valve (Type -16) / regulating valve (Type -18)
- BA Process gas outlet

ORDER CODE

Type FMD 500-14	Material BC	Upstream pressure F	Downstream pressure 6	Inlet DIN	Outlet CL6	Contact gauge Ki	Gas type GAS
FMD 500-14 FMD 500-16 FMD 500-18	BC = brass chrome-plated SS = stainless steel	F = 230 bar/3300 psi	6 = 0.5 - 6 bar/ 3 - 85 psi 14 = 1 - 14 bar/15 - 200 psi 28 = 2.5 - 28 bar/ 35 - 365 psi 50= 2.5 - 50 bar/ 35 - 720 psi 200 = 10 - 200 bar/145 - 2900 psi (200 bar not with FMD 500-18)	DIN ANSI AFNOR NBN BS 341 CGA NEN, UNI	0=NPT 1/4"f CL6** CL8 CL 1/8" CL 1/4" NO6	0 = without Ki = with	Please specify