



FMD 502-14



FMD 502-16



FMD 502-18

**Double-stage,
for inert, reactive, flammable and oxidizing gas and gas mixtures,
purity max. 6.0
inlet pressure 230 bar / 3300 psi
outlet pressure range 0,2 - 10,5 bar / 3 - 145 psi**

Highlights

- ▲ Outlet pressure virtually independent of inlet pressure due to double-stage design
- ▲ Diaphragm valve with quarter turn engaged shut-off function (FMD 502-16) or regulating valve (FMD 502-18)
- ▲ Diaphragm regulator
- ▲ ATEX compliance of handwheels

Features

The FMD 502 -14/16/18 consists of cylinder connection, pressure regulator body, inlet and outlet pressure gauge, diaphragm shut-off/regulating valve, relief valve and screwed outlet connections.

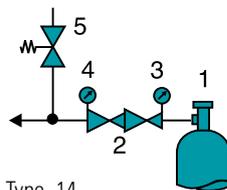
Application

The cylinder pressure regulator line FMD 502 offers a wide range of use and great performance. The FMD 502-16 model allows the shutting off/opening of the gas flow maintaining the pressure regulator adjustment.

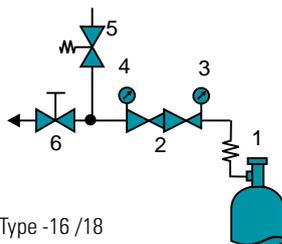
The FMD 502-18 model allows pressure level adjustment as well as fine dosing of gas flow. The double-stage design ensures that the outlet pressure is virtually independent of the inlet pressure.

Technical data

Body material:	stainless steel 316L (1.4404) specially cleaned and electro-polished or brass CW614 (CuZn39Pb3) specially cleaned, chrome-plated
Seat sealing 1st stage:	PCTFE
Seat sealing 2nd stage:	PTFE
Body sealing material:	PCTFE (SS), PTFE (brass)
Relief valve seat material:	stainless steel: FKM, (EPDM, FFKM) on request brass: EPDM, (FKM)* on request
Performance data:	see chapter 5.1
Basic design aspects:	see page 10
Pressure gauge range:	-1 - 5 bar (-15 - 75 psi) -1 - 10 bar (-15 - 145 psi) -1 - 18 bar (-15 - 260 psi) 0 - 315 bar (0 - 4500 psi)
Weight:	type -14: 0,58 kg, type -16/18: 0,66 kg
Dimensions (wxhxd):	225 x 140x 210 mm



Type -14



Type -16 /18

- 1 cylinder connection
- 2 double-stage pressure regulator
- 3 inlet pressure gauge
- 4 outlet pressure gauge
- 5 relief valve
- 6 outlet shut-off valve (type -16)
/ metering valve (type -18)

Order code

Type	Material	Inlet pressure	Outlet pressure	Inlet conn.	Outlet conn.	Gas type
FMD 502-14	BC	F	1	DIN	CL6	Gas
FMD 502-14	BC = brass	F = 230 bar/3300 psi	1 = 0,1 - 1 bar / 1,5 - 15 psi	DIN	CL6	Specification of used gas
FMD 502-16	SS = stainless steel		3 = 0,1 - 3 bar / 1,5 - 45 psi	ANSI	CL8	
FMD 502-18			6 = 0,5 - 6 bar / 3 - 85 psi	AFNOR	CL 1/8"	
			10 = 1 - 10,5 bar / 7 - 150 psi	NBN	CL 1/4"	
				BS 341	N06	
				CGA		
				NEN		
				UNI		

Outlet: (expl.: CL6=tube fitting with outer diameter 6 mm, N06 = hose adaptor with hose inner diameter 6 mm)