

CYLINDER PRESSURE REGULATORS FMD 532-14/-16/-18



Type -14

Dual-stage, for inert, reactive, flammable and oxidizing gases and gas mixtures, not for oxygen, purity max. 6.0, cylinder pressure 315 bar/ 4500 psi, downstream pressure range 0.2 - 10.5 bar/ 3 -150 psi

SPECIAL FEATURES

- For 300 bar cylinders
- Downstream pressure is independent of the upstream pressure due to the dual-stage design
- Higher reliability through the use of a relief valve

DESCRIPTION

The FMD 532 consists of a cylinder connection, pressure regulator body, upstream and downstream pressure gauges, relief valve and downstream regulating valve (FMD 532-18) or shut off valve (FMD 532-16) . The use of contact gauge (accessories) in conjunction with alarm box (accessories) facilitates the monitoring of gas reserves.

APPLICATION

The cylinder pressure regulator series MD 532 has a broad range of uses and excellent performance. The FMD 532-14 is the basic model for location-independent gas supply with 300 bar cylinder. The FMD 532-16 allows shut-off/opening of the gas flow while maintaining the pressure regulator's adjustment. The FMD 532-18 allows for pressure regulating as well as a finer apportioning of gas flow.

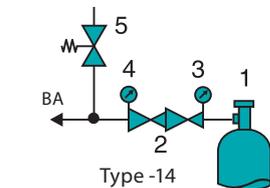


Type -16

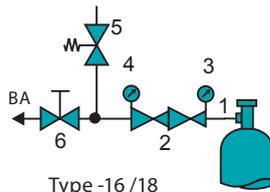


Type -18

FLOW SCHEMATIC



Type -14



Type -16 /18

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

TECHNICAL DATA

Body:	stainless steel 316L (1.4404) specially cleaned and electro-polished or brass 2.0401.26 specially cleaned, nickel-plated and chrome-plated
Dimensions (w×h×d):	approx. 175×139×206 mm
Seat seals:	PCTFE
Body seals:	PCTFE (Stainless steel), 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:	0 - 400 bar (0 - 5800 psi) -1 - 5 bar (-15 - 73 psi) -1 - 10 bar (-15 - 145 psi) -1 - 18 bar (-15 - 260 psi)
Weight:	approx. 2.1kg (type-14), 2.4kg (type-16/18)
Dimensions (w×h×d):	approx. 139×206 mm, 175 mm (-14), 223 mm (-16 and -18)
Cylinder connections:	according to gas type, see chapter 5
Outlet:	NPT 1/4"f, optional tube fitting

*on request

ORDER CODE

Type	Material	Upstream pressure	Downstream pressure	Inlet	Outlet	Contact gauge	Gas type
FMD 532-14	BC	G	10	DIN	CL6	Ki	Gas
FMD 532-14	BC = brass	G = 315 bar	3 = 0.2 - 3 bar / 3 - 45 psi	DIN	0=NPT 1/4"f	0 = without	Please specify
FMD 532-16	chrome-plated	/4500 psi	6 = 0.5 - 6 bar/7 - 85 psi	ANSI	CL6 (standard)	Ki = with	
FMD 532-18	SS = stainless steel		10.5 = 1 - 10.5 bar/15 - 150 psi	AFNOR	CL 1/8"		
	steel			NBN	CL 1/4"		
				BS 341	NO6		
				CGA			
				NEN, UNI			

Subject to change without notice

**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.