

For cylinder pressure 200 bar and 300 bar

Single-stage type of construction acc. to DIN 8546,
with shut-off valve and safety valve as well as pressure gauges for the cylinder contents and working pressure.

Material: Pressed brass
 Pressure gauge for contents: 0 to 200/315 bar (max. cylinder pressure 200 bar)
 0 to 300/400 bar (max. cylinder pressure 300 bar)
 0 to 18/40 bar (acetylene)



487.36

Cylinder pressure regulators, cylinder pressure 200 bar, for non-flammable gases

Art. No.	Type No.	Type of gas	Chemical symbol	Colour code	Working pressure	Cylinder port	Hose connection obliquely downward
101271	487.35	Oxygen	O ₂	blue	0 – 10.0 bar	Nut 3/4	G 1/4
101272	487.36	Oxygen	O ₂	blue	0 – 20.0 bar	Nut 3/4	G 1/4
101273	487.38	Compressed air	N ₂ O ₂	grey	0 – 10.0 bar	5/8 male	G 1/4
101274	487.38 H	Compressed air	N ₂ O ₂	grey	0 – 20.0 bar	5/8 male	G 1/4
101275	487.39	Nitrogen	N ₂	black	0 – 10.0 bar	W 24.32x1/14	G 1/4
101276	487.39 H	Nitrogen	N ₂	black	0 – 20.0 bar	W 24.32x1/14	G 1/4
101277	487.41	Carbon dioxide	CO ₂	black	0 – 10.0 bar	W 21.80x1/14	G 1/4
101278	487.41 H	Carbon dioxide	CO ₂	black	0 – 20.0 bar	W 21.80x1/14	G 1/4
101279	487.42	Argon/helium	Ar/He	black	0 – 10.0 bar	W 21.80x1/14	G 1/4

Flow rates oxygen

Supply pressure P _v [bar]	Flow rate Q [m ³ /h] *in standard condition at a back pressure P _H [bar]					
	1.0	2.5	4.0	10.0	20.0	
40.0	15.0	30.0	40.0	50.0	60.0	
20.0	15.0	20.0	25.0	30.0	-	
10.0	15.0	15.0	15.0	-	-	
5.0	10.0	10.0	10.0	-	-	

For other gases that flow rates will be multiplied with the following factors:

Compressed air: 1.05
 Nitrogen: 1.05
 Carbonic acid: 0.85
 Argon: 0.90
 Hydrogen: 4.00
 Methane: 1.40

Cylinder pressure regulators, cylinder pressure 200 bar, for flammable gases

Art. No.	Type No.	Type of gas	Chemical symbol	Colour code	Working pressure	Cylinder port	Hose connection obliquely downward
101280	487.37	Acetylene	C ₂ H ₂	yellow	0 – 1.5 bar	Yoke	G 3/8 LH
101281	487.43	Hydrogen, methane, illuminating gas / natural gas	H ₂ CH ₄ H ₂ COCH 4	red	0 – 10.0 bar	W 21.8x1/14 ccw	G 3/8 LH

Note to article no. 101281 / type no. 487.43 = supply pressure max. 300 bar

Flow rates acetylene

Supply pressure P _v [bar]	Flow rate Q [m ³ /h] *in standard condition at a back pressure P _H [bar]		
	0.5	1.0	1.2
18	5.0	6.0	8.0
10	4.5	5.5	6.5
4	3.0	4.0	5.0
2	1.5	2.0	3.0



487.37

Cylinder pressure regulators, cylinder pressure 200 bar, for non-flammable gases, with flowmeter

Art. No.	Type No.	Type of gas	Chemical symbol	Colour code	Flowmeter	Cylinder port	Nozzle
101282	489.10	Argon	Ar	black	0 – 20 l/min	W 21.80x1/14 i	G 1/4 x LW 6

Cylinder pressure regulators, cylinder pressure 200 bar, for flammable gases, with flowmeter

Art. No.	Type No.	Type of gas	Chemical symbol	Colour code	Flowmeter	Cylinder port	Nozzle
101283	489.11	Forming gas	-	-	0 – 30 l/min	W 21.80x1/14 LH i	G 1/4 x LW 6



489.10

Cylinder pressure regulators, cylinder pressure 300 bar, for non-flammable gases

Art. No.	Type No.	Type of gas	Chemical symbol	Colour code	Working pressure	Cylinder port	Nozzle
101284	488.35	Oxygen	O ₂	blue	0 – 10.0 bar	W 30x2	Ø 17.3/18.7
101285	488.38	Compressed air	N ₂ O ₂	grey	0 – 10.0 bar	W 30x2	Ø 16.6/19.4
101286	488.39	Nitrogen	N ₂	black	0 – 10.0 bar	W 30x2	Ø 15.9/20.1
101287	488.39 H	Nitrogen	N ₂	black	0 – 20.0 bar	W 30x2	Ø 15.9/20.1

Cylinder pressure regulators, cylinder pressure 300 bar, for flammable gases

Art. No.	Type No.	Type of gas	Working pressure	Cylinder port
101288	488.44	Fuel gas	0 – 1.5 bar	W 30x2 ccw
101289	488.43	Fuel gas	0 – 10.0 bar	W 30x2 ccw

Accessories and spare parts

Art. No.	Type No.	Description
101290	424	Content pressure gauge (neutral), for 200.0 bar cylinder pressure
101298	404	Content pressure gauge (oxygen), for 200.0 bar cylinder pressure
101300	413	Content pressure gauge (acetylene)
101295	425	Content pressure gauge (neutral), for 300.0 bar cylinder pressure
101296	405	Content pressure gauge (oxygen), for 300.0 bar cylinder pressure
101291	421	Working pressure gauge (neutral), 0 to 10.0/16.0 bar
101292	422	Working pressure gauge (neutral), 0 to 20.0/40.0 bar
101293	420	Working pressure gauge (argon), 0 to 30.0 l/min (487.42)
101297	401	Working pressure gauge (oxygen), 0 to 10.0/16.0 bar
101294	402	Working pressure gauge (oxygen), 0 to 20.0/40.0 bar
101299	411	Working pressure gauge (acetylene), 0 to 2.5 bar
101301	GS 30	Protective caps for pressure gauge Ø 63.0 red
101302	GS 31	Protective caps for pressure gauge Ø 63.0 blue
155238	488.4.942	Replacement seal for cylinder pressure 300 bar
118852	444.4.942	Connection seal made of PA, for cylinder pressure 300 bar



488.38



424



420



488.4.942



444.4.942