

## 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

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

### Flow rates oxygen

Supply pressure P <sub>v</sub> lbar <sub>n</sub>	Flow rate Q l m <sup>3</sup> /h <sub>n</sub> *in standard condition at a back pressure P <sub>H</sub> lbar <sub>n</sub>				
	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

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Subject technical changes.

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

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

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

## Flow rates acetylene

Supply pressure  $P_v$   
lbar<sub>n</sub>

Flow rate  $Q$  l m<sup>3</sup>/h<sub>n</sub> \*in standard condition  
at a back pressure  $P_H$  lbar<sub>n</sub>

	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

Article No.	Ident No.	Type of gas	Chemical symbol	Colour code	Flowmeter	Cylinder port	Nozzle
489.10	101282	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

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



489.10

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

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

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

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

## Accessories and spare parts

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



488.38



424



420