

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