

Flange pressure reducer



Art. No. 146765

Type No. FDM300.N2.25



Exemplary illustration

Single-stage type in pressed brass version in accordance with DIN EN ISO 2503, with shut-off valve and safety valve as well as pressure gauge each for cylinder content and working pressure.

Bottle pressure reducers are used to reduce a gas that has been compressed, liquefied and dissolved in a bottle at a certain filling pressure/upstream pressure to a much lower, as constant as possible back pressure/overpressure, as independently as possible of fluctuations in the upstream pressure and flow rate. Cylinder pressure reducers with connection to gas cylinders are suitable for reducing the pressure of various gases. They have a type approval in accordance with DIN EN ISO 2503 for welding, cutting and related processes. The connections are designed in accordance with DIN 477.

Technical data

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|--------------------------------------|---------------------------------------|
| Material | pressed brass |
| Min. temperature range | -20 °C |
| Max. temperature range | 60 °C |
| Gas type | nitrogen |
| Colour code | green |
| Min. working pressure | 0 bar |
| Max. working pressure | 25 bar |
| Cylinder connection | NEVOC, W 30 x 2, spigot Ø 15.9 / 20.1 |
| Hose connection | G 1/4 ET |
| Display range working pressure gauge | 0-40 / rZ 25 bar |
| Indicating range | 0 - 300/400 bar |

Areas of application: Mechanical engineering, electrical and automotive industry, welding technology

Commercial data

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|-------------------------|--------------------|
| Customs tariff number | 84811099 |
| Country of origin | IT |
| eCl@ss 5.1.4 | 37011108 |
| eCl@ss 9.0 | 37011108 |
| UNSPSC_Code_v190501 | 41112404 |
| UNSPSC_CodeDesc_v190501 | Pressure regulator |

Accessories

| | Art. No. | Type No. |
|---|----------|-------------|
| Pressure gauge housing protection cap made of Plastic, black, for Pressure gauge-Ø 63 mm, for Connection radial bottom / back | 146838 | MGSK.KS.63 |
| Pressure gauge double housing protection cap made of Plastic, black, for Pressure gauge-Ø 63 mm | 146839 | MDGSK.KS.63 |
| Protective bracket for Cylinder pressure regulator, Black painted steel | 146840 | SBF.S |
| Pressure gauge - safety cap made of rubber, red, for press. gauge Ø 63 mm, for connection radial bottom / rear | 101301 | GS 30 |
| Pressure gauge - safety cap made of rubber, blue, for press. gauge Ø 63 mm, for connection radial bottom / rear | 101302 | GS 31 |

Spareparts

| | Art. No. | Type No. |
|--|----------|------------------|
| Content pressure gauge for Cylinder pressure regulator, steel housing, neutral gases, G1/4 Connection radial bottom, 0-400 bar Ø63 | 146825 | IMF.N.14.400.63 |
| Working pressure gauge for Cylinder pressure regulator, steel housing, oxygen, G1/4, Connection radial bottom, 0-40 bar, Ø 63 | 146828 | AMF.O2.14.040.63 |
| Replacement seal for Cylinder pressure regulator (Cylinder connection), NBR | 146834 | EDF.NBR |
| Hose connector incl. nut for Cylinder pressure regulator, for hose I.D. 6,5/7,2/9/9,8, G 1/4, Brass | 146835 | STMF.14.MS |
| Regulation, adjusting screw for working pressure, for cylinder pressure regulators, plastic | 147570 | ESS.AM |
| Regulation, adjusting screw for blocking valve, for cylinder pressure regulators, plastic | 147571 | ESS.AV |