

## Pressure regulator U13



- Diaphragm pressure regulator
- For non-corrosive industrial gases
- Single-stage with high control accuracy
- Central filter in the pressure regulator
- Safety pressure gauge acc. to DINEN562
- Pressure regulator with integrated relief valve
- Pressure regulator for oxygen with filter in inlet fitting
- Accessories like wall brackets and in-/outlet fittings are also available

### Technical Data

Type	single-stage
Flow rate Q	max. 500 m <sup>3</sup> /h
Inlet pressure P <sub>1</sub>	max. 40 / 200 / 300 bar
Outlet pressure P <sub>2</sub>	see table below
at P <sub>1</sub> = 40 bar:	max. 5...30 bar
at P <sub>1</sub> = 300 bar:	max. 14...35 <sup>1)</sup> bar for oxygen up to 30 bar available!

### Materials

Body regulator:	brass
Bonnet:	Alu (powder coated)
Diaphragm regulator:	NBR
Valve seat regulator:	PA

## Pressure control panels BT2000



- Wall-mounting pressure control panels
- For non-corrosive industrial gases
- Ergonomically designed
- Modular design (to be extended to 2, 3 etc. cylinders)
- Filter at the process gas inlet valve
- Central filter in the regulator
- Regulator with high control accuracy
- Shut-off-valves with On/Off position indicators

### Technical Data

Type	single-stage
Inlet pressure P <sub>1</sub>	max. 300 bar
Outlet pressure P <sub>2</sub>	max. 10/20/50/100 bar
for 2L-models:	8-12 bar / 17-23 bar / 46-54 bar / 95-105 bar

### Materials

Bodies:	Brass
Diaphragm (P up to 20 bar):	EPDM
Piston (P > 20 bar):	Brass
Valve seat regulator:	PA
Mounting plate:	Stainless steel
Filter process gas valve:	Sintered bronze
Filter regulator:	Sintered SS 316L

## ET 65



- Tapping points for wall mounting
- For non-corrosive industrial gases
- For flows up to 50 m<sup>3</sup>/h
- Single-stage pressure regulator with high accuracy
- Central filter in the pressure regulator
- Safety pressure gauge acc. to DIN EN ISO 5171
- Inlet pressure shut off with ball valve
- For easy installation

### Technical Data

Type	single-stage
Inlet pressure P <sub>1</sub>	max. 40 bar
for acetylene:	max. 1.5 bar
Outlet pressure P <sub>2</sub>	
for P = 40 bar:	1.5 / 2.5 / 10 / 20 bar
for P = 1.5 bar (acetylene):	1.5 bar

### Materials

Bodies:	Brass
Diaphragm:	EPDM
Valve cone:	PA

## Cylinder pressure regulator FE53



- Double-stage stainless steel cylinder pressure regulator with extremely stable outlet pressure and anti-vibration device
- For corrosive, toxic gases and gas mixtures with corrosive components up to quality 6.0
- 6 ports for flexible and individual configuration
- New laboratory-style design
- Central filter
- Suitable for ECD-applications

### Technical Data

Type	double-stage
Inlet pressure $P_1$	max. 300 bar
Outlet pressure $P_2$	1,5 / 4 / 10 / 20 bar
<b>Materials</b>	
Body regulator, relief valve:	SS 316L (SS 1.4404)
Valve seat:	PVDF
Diaphragm:	Hastelloy C276
Filter:	Sintered SS 316L
<b>Pressure gauge</b>	Safety pressure gauges ISO5171/K11.6/NG50
Weight	1.8 kg

## Line pressure regulator LT2000



- Ergonomically designed line pressure regulator
- For non-corrosive technical gases
- Single-stage type with high control accuracy
- Central filter in the regulator
- Safety pressure gauges acc. to DIN EN ISO 5171
- Compact design
- Models for inlet pressure up to 300 bar available

### Technical Data

Type	single-stage
Inlet pressure $P_1$	max. 40/300 bar
Outlet pressure $P_2$	
for $P_1 \leq 40$ bar:	1.5/4/10 bar
for $P_1 > 40$ bar:	10/25/50/100/200 bar
<b>Materials</b>	
Body, bonnet:	Brass
Diaphragm regulator:	EPDM
Valve seat regulator:	PA

## High Pressure Hoses



### Technical Data

DESCRIPTION	O <sub>2</sub> /Ar/Co <sub>2</sub> /ACM	HYDROGEN	HELIUM	ACETYLENE
Inner Tube	PTFE Extruded Teflon	ETFE Extruded Tube		Thermoplastic Elastomer
Outer Cover	Double Wire Braiding of SS 304			Double Wire Braiding of HT Steel with Polyurethane Cover
Working Pressure	300 Bar			20 Bar
Hydrostatic Test Pressure	450 Bar			150 Bar
Pneumatic Test Pressure	330 Bar			100 Bar
Hydrostatic Min Bursting Pressure	900 Bar			105
Conformance To	EN ISO 14113			EN ISO 14113