

Pressure regulator U22

spectro**tec**



Dome loaded pressure regulator U22 - G 1 m

Performance factors for evaluation of flow rates for pressure regulator U22

Performance factor	L_5 (5% pressure drop)	7
	L_{10} (10% pressure drop)	8,5
	L_{max}	10
Outlet pressure variations [%] relating to inlet pressure variation		2

The outlet pressure and accordingly the accuracy will be determined by the pilot pressure regulator ST 2000 (page 5).

Product features

- Dome loaded diaphragm line pressure regulator
- Remote controlled pressure regulation (e.g. process control or cutting machines)
- For flow rates up to 600 m³/h air
- Pneumatic supply to dome loaded diaphragm controlled by small pressure regulator ST 2000
- Single-stage with high control accuracy
- Flow increase by special dome control possible
- Central filter in the pressure regulator
- Pressure regulator with integrated relief valve
- Accessories like wall brackets and in-/ outlet fittings are also available
- Approved for use with oxygen

Technical data

Type	single-stage
Flow rate Q	max. 600 m ³ /h
Inlet pressure P₁	max. 40 bar
Outlet pressure P₂	max. 30 bar
Materials	
Body:	brass
Diaphragm:	NBR
Valve seat regulator:	PA
In- and outlets	
In- / outlet (body):	G 1/2"- female G 1"- male
Pressure gauge ports:	G 1/4"- female
Pressure gauge connection:	G 3/8"- male
Outlet relief valve:	G 3/8"- male
Temperature range	-30°C to +60°C
Leak rate	<10 ⁻⁴ mbar l/s He
Weight	approx. 6,8 kg

In- and outlet fittings:
see data sheet "fittings"

Ordering information:
Pressure regulator U22

U22 - G 1 m

In- / outlet	part no.
G 1/2 f - G 1/2" female	717.08956
G 1 m - G 1" male	717.08086

Diagram for process gas controlled dome loaded pressure regulator

