## **Pressure regulator U22**





## 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

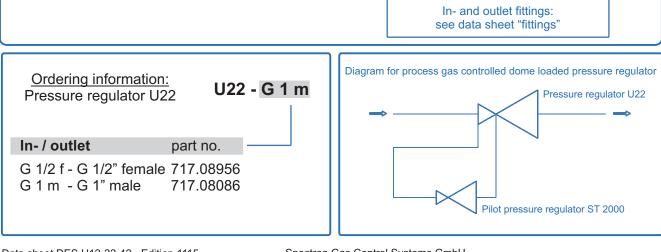
## Performance factors for evaluation of flow rates for pressure regulator U22

Performance factor	L <sub>5</sub> (5% pressure drop)	7
	L <sub>10</sub> (10% pressure drop)	8,5
	L <sub>max</sub>	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).

## Technical data

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Туре	single-stage
Flow rate Q	max. 600 m³/h
Inlet pressure P <sub>1</sub>	max. 40 bar
Outlet pressure P <sub>2</sub>	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 <sup>-4</sup> mbar l/s He
Weight	approx. 6,8 kg



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