Pneumatic pressure regulator U22 E spectro te





Pressure regulator U22 E - G 1 m

Product features

- · Dome loaded diaphragm line pressure regulator
- · For non corrosive industrial gases
- Remote controlled pressure regulation (e.g. process control or cutting machines)
- For flow rates up to 600 m³/h air
- Pressure control with process gas by small pressure regulator ST2000
- Single-stage with high control accuracy
- Outlet pressure reduction by special vent hole in the diaphragm assembly
- Central filter in the pressure regulator
- Pressure regulator with integrated relief valve
- · Wall brackets available as accessory
- Approved for use with oxygen

Technical data

Weight

Туре	single-stage	
Flow rate Q	max. 600 m³/h	
Inlet pressure P ₁	sure P ₁ max. 40 bar	
Outlet pressure P ₂	max. 4 30 bar	
Materials		
Body:	brass	
Valve seat:	PA	
Diaphragm:	NBR	
Connections		
In- / outlet (body):	G 1/4" female	

In- / outlet (body): G ½" female G 1" male Pressure gauge ports (body): G 1/4" female G 3/8" male Outlet relief valve: G 3/8" male Temperature range -20°C to +60°C Leak rate ≤10-4 mbar l/s He

ca. 6,8 kg

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

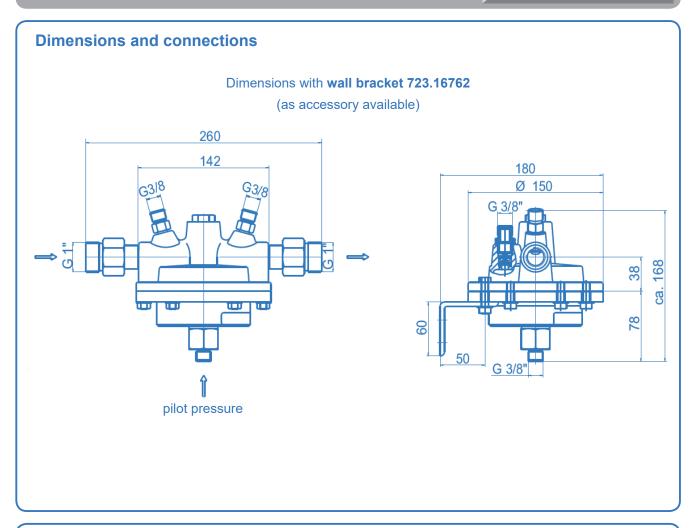
	L ₅ (5% pressure drop)	7
Performance factor	L ₁₀ (10% pressure drop)	8,5
	L _{max}	10
Outlet pressure variations [%] relating to inlet pressure variation		2,0

The outlet pressure and accordingly the accuracy will be determined by the pilot pressure regulator ST2000 (see data sheet).



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Ordering information: Pressure regulator U22

U22 E - G 1/2 f

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

In- / outlet		Artno.
G 1/2 f	G 1/2" female	717.08956
G1m	G 1" male	717.08086

Diagram for process gas controlled dome loaded pressure regulator

