Pneumatic pressure regulator U22 E spectrotec



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

Type	single-stage
Flow rate Q	max. 600 m³/h
Inlet pressure 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 ½“ female G 1“ male
Pressure gauge ports (body):	G 1/4“ female
Pressure gauge connection:	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
Weight	ca. 6,8 kg

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

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		2,0

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

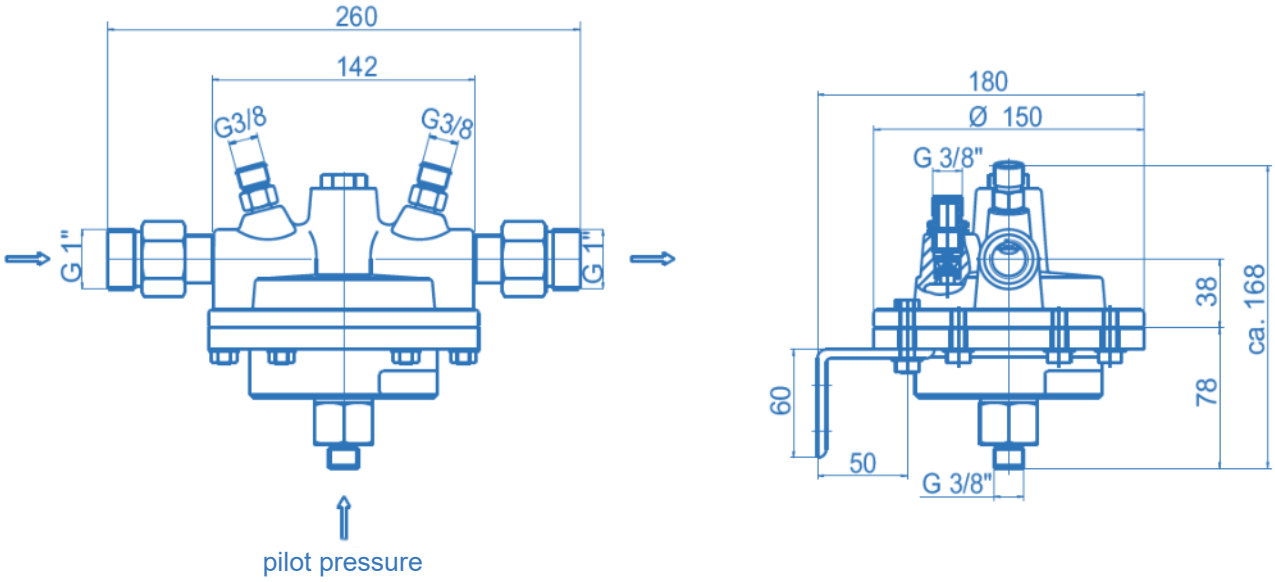
Data sheet DES U22 - Edition 0126
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Dimensions and connections

Dimensions with **wall bracket 723.16762**
(as accessory available)



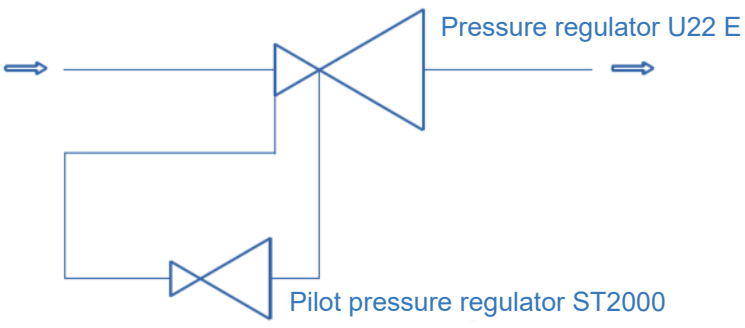
Ordering information: Pressure regulator U22

U22 E - G 1/2 f

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

In- / outlet		Art.-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



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