

Pressure regulator U23

spectro **tec**



Pressure regulator U23
for non flammable gases (form A)



Pressure regulator U23
for oxygen (form B)

Product features

- 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 DIN EN 562
- 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 ³ /h
Inlet pressure P₁	max. 40 bar
Outlet pressure P₂	max. 2.5 or 15 bar (20 bar on request)
Materials	
Body regulator:	brass
Bonnet:	Alu (powder coated)
Diaphragm regulator:	NBR
Valve seat regulator:	PTFE
Ports	
In- / outlet:	G ½" - female or G 1" (oxygen)
Pressure gauge ports:	G 1/4" - female
Outlet relief valve:	G 3/8" - male
Temperature range	-30°C to +60°C
Leak rate	<10 ⁻³ mbar l/s He
Weight	approx. 6.5 kg

Performance factors and outlet pressures to find the flow rates of the pressure regulators U23

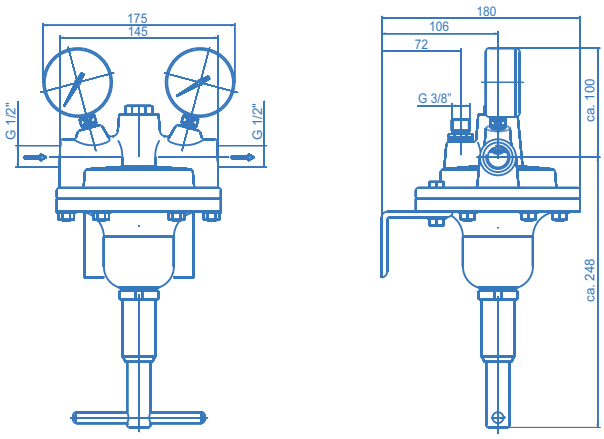
max. outlet pressure P ₂ [bar] at 40 bar inlet pressure	1,5	2,5	15
Performance factor	L ₅ (5% pressure drop)	6	7
	L ₁₀ (10% pressure drop)	7,5	8,5
	L _{max}	9	10
Outlet pressure variations [%] relating to inlet pressure variation	1,5	1,5	2

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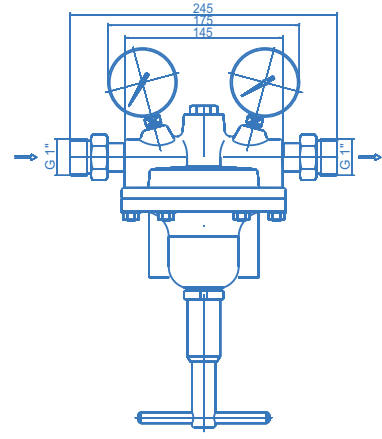


Dimensions and connections of the pressure regulator U23 with wall bracket 723.16762 (as accessories available)

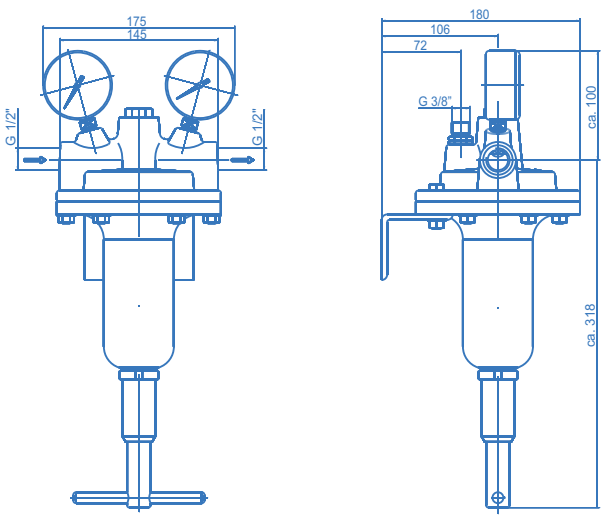
Form A (front- and side view)



Form A (for cutting machines)



Form B (front- and side view)



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

Ordering information: Pressure regulator U23

U23 - 2.5 - NFG

Outlet pressure P₂

- 1.5 - max. 1.5 bar (form A / acetylene)
- 2.5 - max. 2.5 bar (form A)
- 15 - max. 15 bar (form B)

Type of gas

- NFG - non flammable gases
- FG - flammable gases
- O₂ - oxygen

For cutting machines: no. 717.08107
In- / outlet: G 1" male (bull nose)
P₂ = 2.5 bar

