



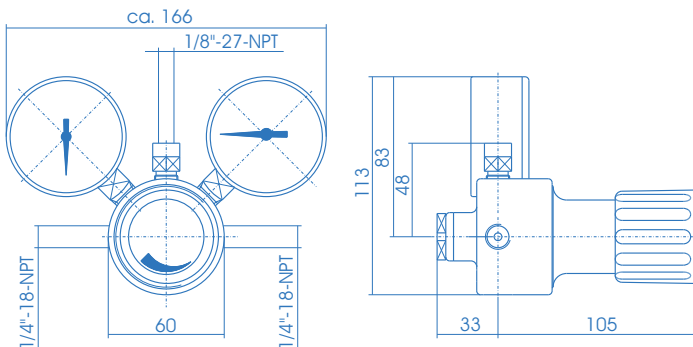
**Pressure regulators
for acetylene**

Regulator BT2000 for acetylene



Pressure regulator BT2000 AC
for acetylene

Dimensions and connections



Product features

- Diaphragm line pressure regulator
- Specially for acetylene
- For flow rates up to 8 m³/h acetylene
- 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

Technical data

Type	single-stage
Inlet pressure P₁	max. 25 bar
Outlet pressure P₂	0,2 - 1,5 bar
Materials	
Body:	brass
Bonnet:	brass
Diaphragm:	EPDM
Valve seat regulator:	EPDM
Ports	
Inlet:	1/4"-18 NPT female
Outlet:	1/4"-18 NPT female
Pressure gauge ports:	G 1/4" female
Outlet relief valve:	1/8"-27 NPT female
Temperature range	-30°C to +60°C
Leak rate	<10 ⁻³ mbar l/s He
Weight	approx. 1.8 kg

Ordering information: **BT2000 - AC - 25 - 1,5**

(part no.: 717.04954)

Flow rates

Inlet pres. [bar]	Flow [m ³ /h] @ outlet pres. P ₂		
	0,5 bar	1 bar	1,2 bar
18	5,0	6,0	8,0
10	4,5	5,5	6,5
4	3,0	4,0	5,0
2	1,5	2,0	3,0

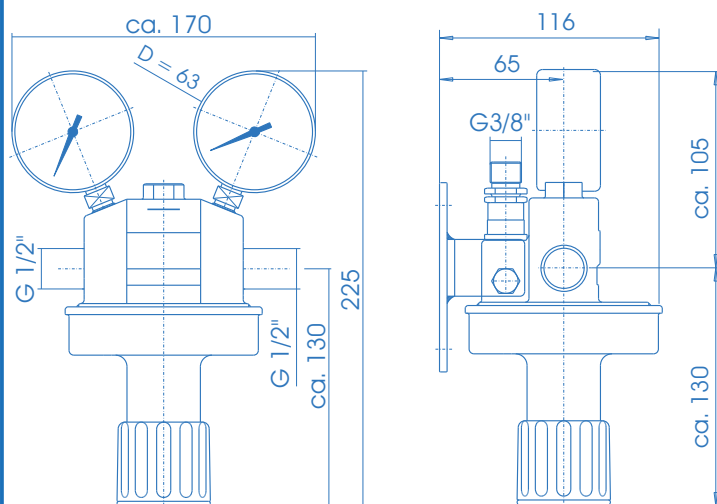
Performance factor L₁₀ = 1,5

Regulator U11 for acetylene



Pressure regulator U11 AC
for acetylene

Dimensions and connections



Dimensions with
wall bracket 512.07600
(as accessories available)

Product features

- Diaphragm line pressure regulator
- Specially for acetylene
- For flow rates up to 7 m³/h acetylene
- Single-stage with high control accuracy
- Central filter in the pressure regulator
- Safety pressure gauge acc. to DIN EN 562
- Wall bracket as accessories available

Attention:

For the U11 special fittings with orifice holes have to be used to ensure a correct function of the pressure regulator.

Technical data

Type	single-stage
Inlet pressure P₁	max. 1,5 bar
Outlet pressure P₂	max. 1,5 bar
Materials	
Body:	brass
Bonnet:	Alu (plastic coated)
Diaphragm:	NBR
Valve seat regulator:	PA
Ports	
In- / outlet:	G ½"- female
Pressure gauge ports:	G ¼"- female
Temperature range	-30°C to +60°C
Leak rate	<10 ⁻³ mbar l/s He
Weight	approx. 2.5 kg

Ordering information: **U11 W6 L - AC - 1,5 - 1,5** (part no.: **500.96960**)

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

Flow rates

Inlet pres. [bar]	Flow rate [m ³ /h] @ outlet pressure P ₂			
	0,5 bar	1 bar	1,2 bar	1,5 bar
1,0	1	3	-	-
1,5	2	4	5	6

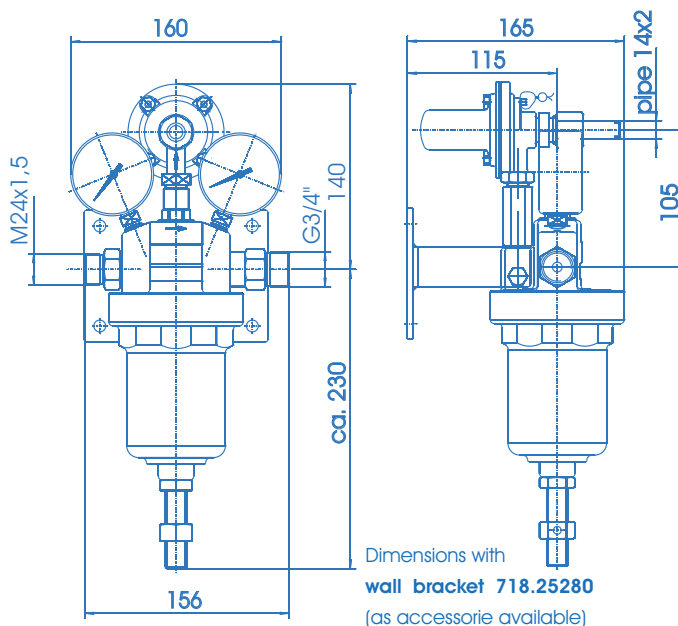
Performance factor L₁₀ = 4

Regulator U13 for acetylene



Pressure regulator U13 AC
for acetylene

Dimensions and connections



Product features

- Diaphragm line pressure regulator
- Specially for acetylene
- For flow rates up to 100 m³/h acetylene
- Single-stage with high control accuracy
- Central filter in the pressure regulator
- Safety pressure gauge acc. to DIN EN 562
- Wall bracket as accessories available

Attention:

For the U13 special fittings with orifice holes have to be used to ensure a correct function of the pressure regulator.

Technical data

Type	single-stage
Inlet pressure P_1	max. 25 bar
Outlet pressure P_2	max. 1,5 bar
Materials	
Body:	brass
Bonnet:	Alu (plastic coated)
Diaphragm:	EPDM
Valve seat regulator:	PA
Ports	
Inlet:	M24 x 1,5
Outlet:	G 3/4"- male
Pressure gauge ports:	G 1/4"- female
Outlet safety valve SV 73:	G 1/2"- male with steel welding stub (ST35) 14 x 2 mm
Temperature range	-30°C to +60°C
Leak rate	<10 ⁻³ mbar l/s He
Weight	approx. 4.5 kg

Ordering information: **U13 W6 F - AC - 25 - 1,5 (part no.: 500.96810)**

EC Type-Examination Certificate
certification number: BAM-PED-2004/009
according to EN ISO 7291:2001

U13 without safety valve SV 73 (717.00073 /
certification number: BAM-PED-2004/009):
part no.: **717.09027**

Flow rates

Inlet pres. [bar]	Flow rate [m ³ /h] @ outlet pressure P_2			
	0,5 bar	1 bar	1,2 bar	1,5 bar
18	85	90	95	100
10	50	52	54	56
4	21	21	22	22
2	13	12	11	10

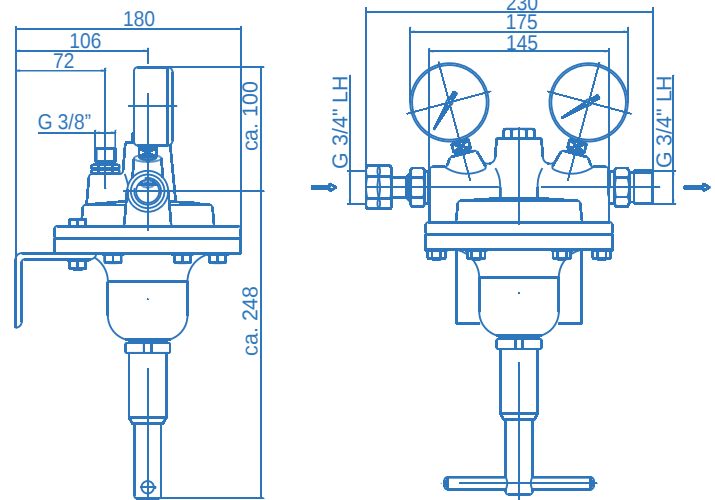
Performance factor $L_{10} = 5,5$

Regulator U23 for acetylene



Pressure regulator U23 AC
for acetylene

Dimensions and connections



Dimensions with
wall bracket
723.16762
(as accessories available)

Product features

- Diaphragm line pressure regulator
- Specially for acetylene
- For flow rates up to 12 m³/h acetylene
- 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
- Wall bracket and in- / outlet fittings as accessories available

Technical data

Type	single-stage
Inlet pressure P₁	max. 1,5 bar
Outlet pressure P₂	max. 1,5 bar
Materials	
Body:	brass
Bonnet:	Alu (plastic coated)
Diaphragm:	NBR
Valve seat:	PA
Ports	
Inlet (bull nose):	G 3/4" LH nut
Outlet (bull nose):	G 3/4" LH male
Pressure gauge ports:	G 1/4"- female
Outlet safety 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

Ordering information: **U23 - AC - 1,5 - 1,5**

(part no.: **717.07968**)

Flow rates

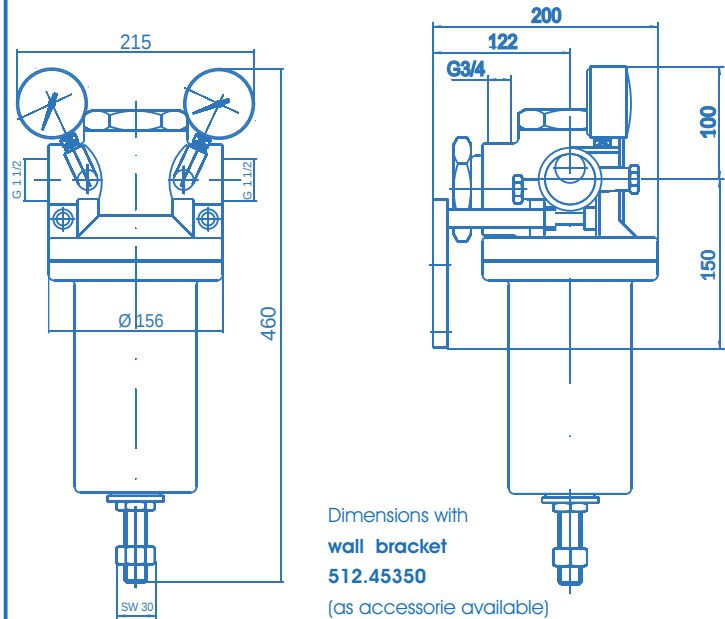
Inlet pres. [bar]	Flow rate [m ³ /h] @ outlet pressure P ₂			
	0,5 bar	1 bar	1,2 bar	1,5 bar
1,5	12	12	12	12

Regulator U47 for acetylene



Pressure regulator U47 AC
for acetylene

Dimensions and connections



Product features

- Diaphragm line pressure regulator
- Specially for acetylene
- For flow rates up to 240 m³/h acetylene
- 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
- Wall bracket and in- / outlet fittings as accessories available

Technical data

Type	single-stage
Inlet pressure P₁	max. 25 bar
Outlet pressure P₂	max. 1,5 bar
Materials	
Body:	brass
Bonnet:	Alu (plastic coated)
Diaphragm:	EPDM
Valve seat:	PTFE
Ports	
Inlet:	G 1 1/2" - female
Outlet:	G 1 1/2" - female
Pressure gauge ports:	G 1/4" - female
Outlet safety valve SV 73:	G 1/2" - male with steel welding stub (ST35) 14 x 2 mm
Temperature range	-30°C to +60°C
Leak rate	<10 ⁻³ mbar l/s He
Weight	approx. 14.5 kg

Ordering information: U47 W9 F - AC - 25 - 1,5

(part no.: 500.98560)

EC Type-Examination Certificate
certification number: BAM-PED-2004/010
according to EN ISO 7291:2001

U47 without safety valve SV 73 (717.00073 /
certification number: BAM-PED-2004/009):
part no.: **717.09029**

Flow rates

Inlet pres. [bar]	Flow rate [m ³ /h] @ outlet pressure P ₂			
	0,5 bar	1 bar	1,2 bar	1,5 bar
18	240	240	240	240
10	145	145	150	155
4	60	60	70	80
2	43	40	35	32

Performance factor L₁₀ = 8