

Pressure control panel BU47AC



BU47AC-1x1-0-SSE-M-SV-F5-KH11/2

Product features

- Acetylene pressure control panel for high flow rates
- Design for easy installation
- Single-stage system; modular design (to be extended to 1x2, 1x3, 2x1, 2x2, 2x3 etc. bundles)
- Pressure regulator with high control accuracy
- CE-certified according to guideline 2014/68/EU
- Pressure control panel complies with DIN-EN-ISO 14114 and DIN-EN-ISO 15615
- Pressure control panel with the following tested safety devices:
 - flashback arrestor
 - over-pressure valve *
 - automatic quick acting shut-off device (SSE)

Attention:

Acetylene withdrawal systems may need to be certified before commissioning. Always refer to the local rules and regulations regarding such certifications.

Technical data

Type	single-stage
Inlet pressure P_1	max. 25 bar
Outlet pressure P_2	max. 1,5 bar
Materials	
Body regulator:	brass
Diaphragm regulator:	EPDM
Valve seat regulator:	PTFE
Mounting plates:	steel, painted
Ball valve:	steel, zinc plated
Connectors	
Inlet:	G 3/4"-LH male
Outlet over-pressure valve:	compress. ring 18 mm
Outlet KH11/2:	G 1 1/2" female
Temperature range	-20°C to +60°C
Leak rate	$\leq 10^{-4}$ mbar l/s He
Weight	
BU47-AC-1x1:	36,2 kg
Single extension:	2,8 kg

* An over-pressure valve is not considered to be a safety accessory according to the Pressure Equipment Directive 2014/68/EC (PED).

Flow rates Q [m³/h] Acetylene

The withdrawal rate should not exceed approx. **0.5 Nm³/h per cylinder** in permanent operation, so no solvent from the cylinder will enter the withdrawal system. However, the flow rate may be increased to approx. 1 m³/h for brief peak loads.

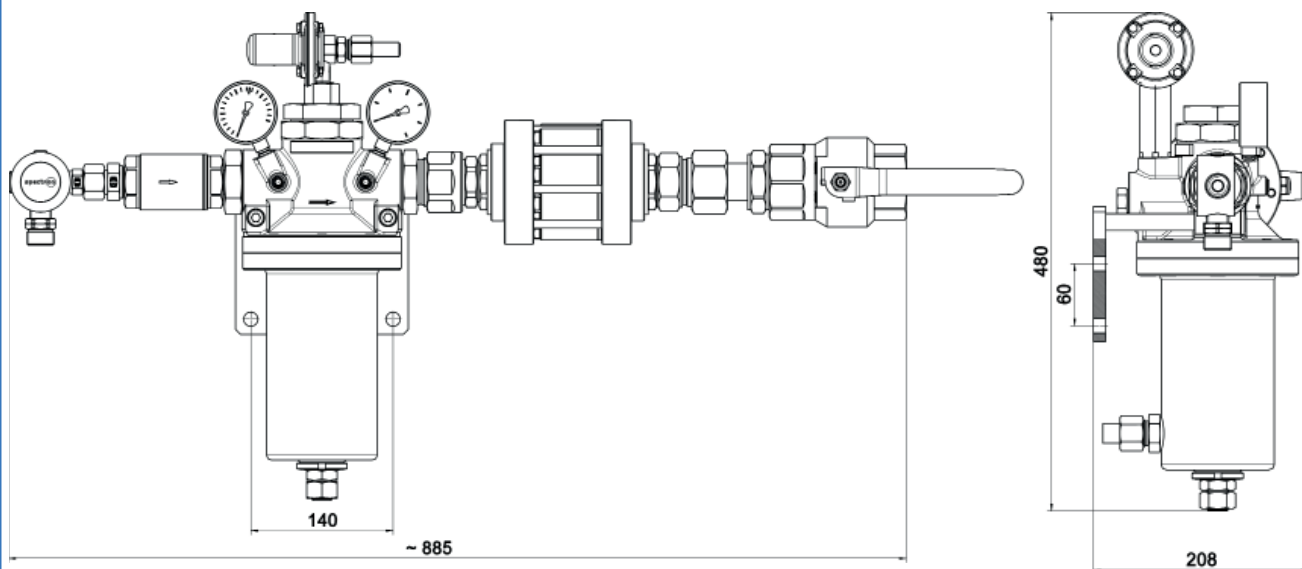
P_1 [bar]	SSE	
	P_2 [bar]	Q [m³/h]
18	1,14	40
10	1,26	40
7	1,29	40
4	1,30	40

Performance factor $L_{10} = 6$

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Dimensions and connectors BU47AC-0-SSE-M-SV-F5-KH11/2



Ordering information: Pressure control panel BU47AC

BU47AC - 0 - SSE - M - SV - F5 - KH11/2

Individual shut-off

- 0** without individual valves
- V** with additional ball valve for each individual cylinder

Quick acting shut-off

- SSE** automatic quick acting shut-off device

Inlet press. indication

- M** pressure gauge
- K** contact pressure gauge
- PT** pressure transmitter

Main shut-off valve (outlet)

- KH11/2** 1 1/2"-ball valve in the outlet

Flashback arrestor

- F5** with flashback arrestor

Over-pressure valve

- SV** with over-pressure valve SV73