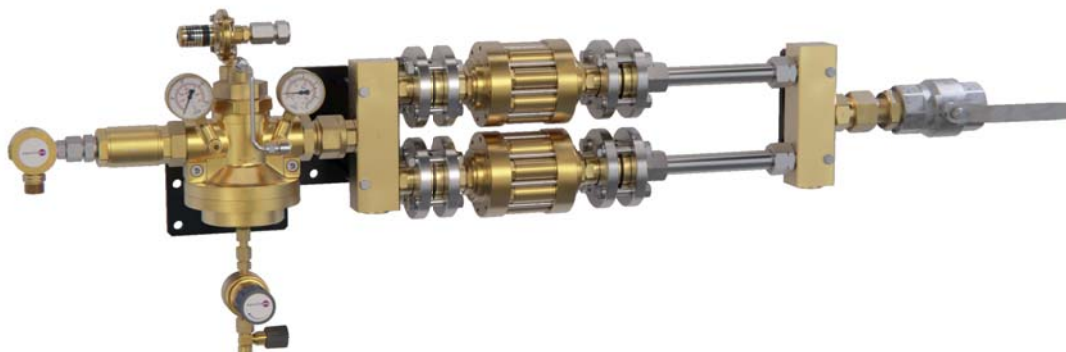


# Pressure control panel BU43FAC



**BU43FAC-1x1-0-SSE-M-SV-F5-KH11/2**

## Product features

- Acetylene pressure control panel for high flow rates
- Designed for easy installation
- Single-stage design with compensated main valve for extremely high control accuracy
- Modular design (to be extended to 1x2, 1x3, 2x1, 2x2, 2x3 etc. bundles)
- Pneumatic pressure regulator for high flow rates
- 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

<b>Type</b>	single-stage
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<b>Inlet pressure <math>P_1</math></b>	max. 25 bar
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<b>Outlet pressure <math>P_2</math></b>	max. 1,5 bar
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## **Materials**

Body regulator:	brass
Diaphragm regulator:	EPDM
Valve seat regulator:	PTFE
Mounting plates:	steel, painted
Ball valve:	steel, zinc plated
Connecting pipe:	steel, zinc plated

## **Connectors**

Inlet:	G 3/4"-LH male
Inlet control pressure:	G 3/8" female
Outlet control pressure:	1/4"-NPT female
Outlet over-pressure valve:	compress. ring 18 mm
Outlet KH11/2:	G 1 1/2" female

<b>Temperature range</b>	-20°C to +60°C
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<b>Leak rate</b>	$\leq 10^{-4}$ mbar l/s He
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## **Weight**

BU43FAC-1x1:	90 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.

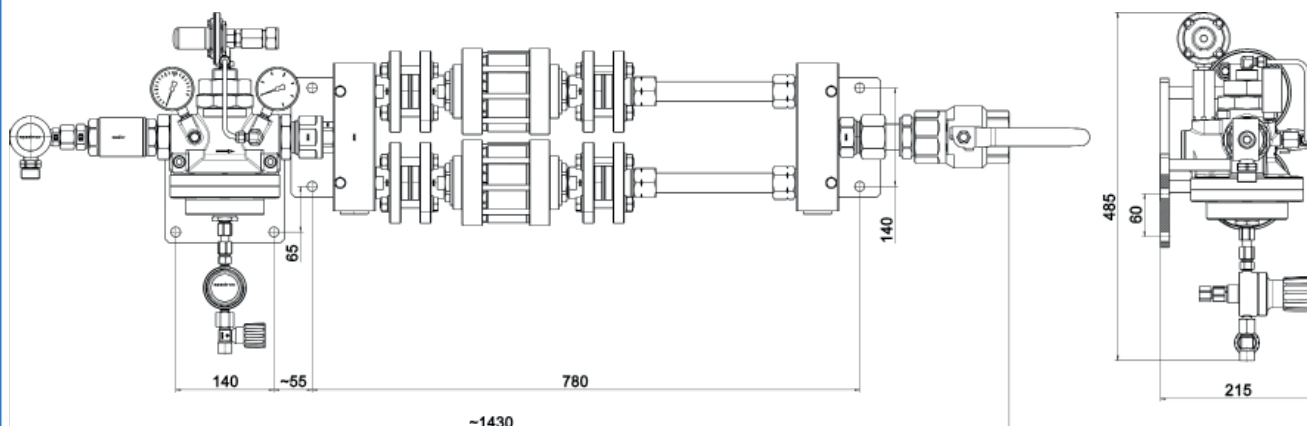
P <sub>1</sub> [bar]	SSE	
	P <sub>2</sub> [bar]	Q [m³/h]
18	1,40	75
10	1,33	75
7	1,30	75
4	1,21	75

**Performance factor  $L_{10} = 7,5$**

# Pressure control panel BU43FAC



## Dimensions and connectors BU43FAC-0-SSE-M-SV-F5-KH11/2



### Ordering information: Pressure control panel BU43FAC

#### BU43FAC - 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