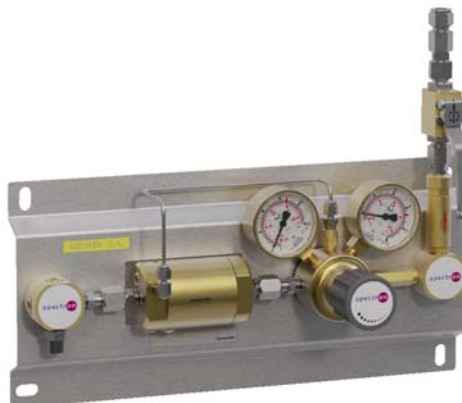


# Pressure control panel BT2000AC



**BT2000AC-1x1-0-ASG-M-0-F2-KHM16**

## Product features

- Acetylene pressure control panel
- Designed for easy installation
- Single-stage system, modular design (to be extended to 1x2, 1x3, 2x1, 2x2, 2x3 etc. cylinders / bundles)
- Pressure regulator with high control accuracy
- Pressure control panels comply with DIN-EN-ISO 14114\* and DIN-EN-ISO 15615
- Optionally with the following tested safety devices:
  - quick acting shut-off valve (manual)
  - flashback arrestor
  - over-pressure valve \*\*
  - automatic quick acting shut-off device (SSE)
- Acetylene Safety Guard (ASG)  
For further information: see data sheet ASG

## 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: PA  
Mounting plate: stainless steel  
Ball valve: steel, zinc plated  
Connecting pipe: steel, zinc plated

## **Connectors**

Inlets: M16 x 1,5 male  
Outlet flashback arrestor: F2: 1/4"-NPT female  
F3: G 1" female  
Outlet relief valve: 1/8"-NPT female  
Outlet over-pressure valve: welding stub 14x2  
Outlet KHM16: 10mm compr. ring  
Outlet KH1/2: G 1/2" female

**Temperature range** -20°C to +60°C

**Leak rate** <10<sup>-4</sup> mbar l/s He

## **Weight**

BT2000AC-1x1: 4,7 ... 10,5 kg  
2x1 extension: 2,8 kg  
Single extension: 1,1 kg

- \* This applies under the following conditions:  
SSE or ASG in the inlet and  
main shut-off valve in the outlet

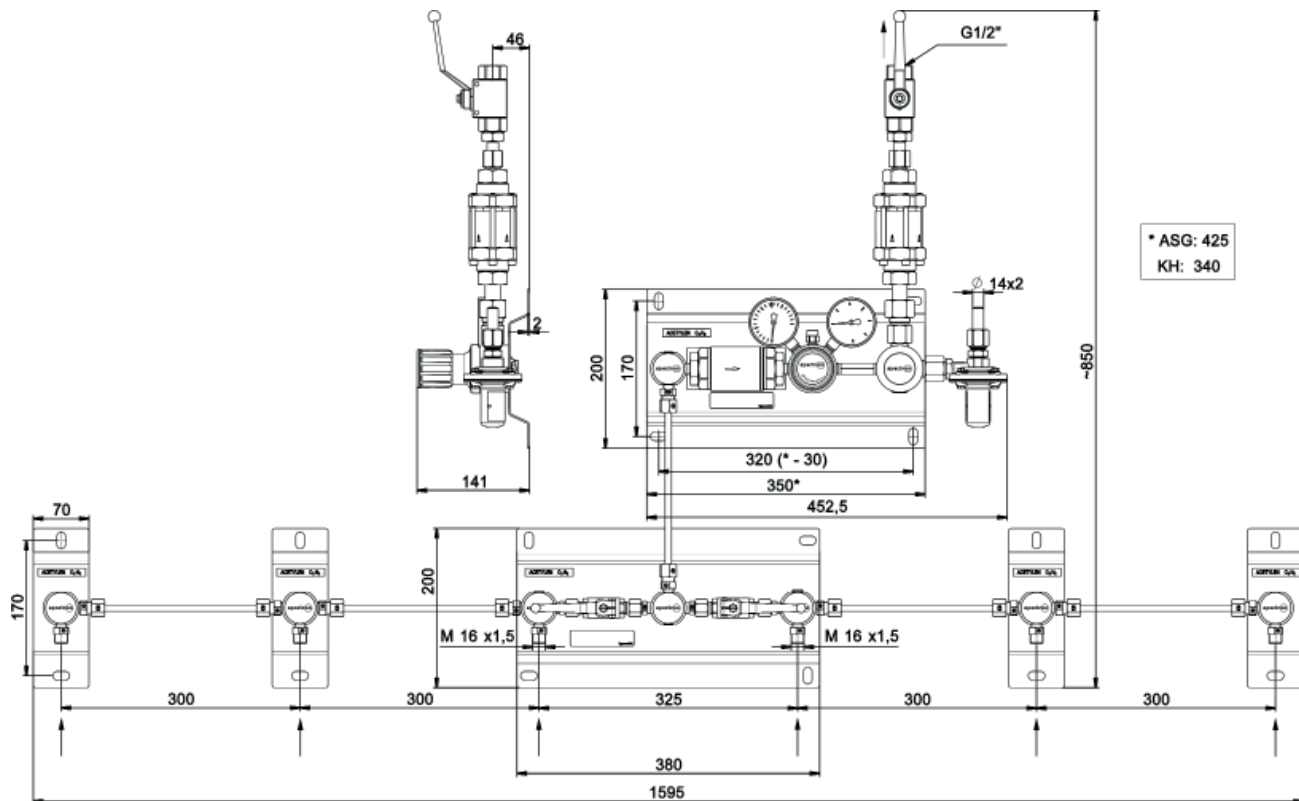
- \*\* An over-pressure valve is not considered to be a safety accessory according to the Pressure Equipment Directive 2014/68/EC (PED).

## **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]	F2		F3	
	$P_2$ [bar]	Q [m³/h]	$P_2$ [bar]	Q [m³/h]
18	1,15	1	1,10	6
10	1,22	1	1,28	6
7	1,22	1	1,16	6
4	1,22	1	0,85	6

## Dimensions and connectors BT2000AC-0-SSE-M-SV-F3-KH1/2 for 2x3 cylinders



### Ordering information: Pressure control panel BT2000AC

## BT2000AC - 0 - SSE - M - SV - F3 - KH1/2

#### Individual shut-off

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

#### Quick acting shut-off

- KH** manual quick acting shut-off device (ball valve)
- SSE** automatic quick acting shut-off device
- ASG** Acetylene Safety Guard

#### Inlet press. indication

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

#### Main shut-off valve (outlet)

- 0** without valve in the outlet
- KHM16** M16 ball valve in the outlet
- KH1/2** 1/2" ball valve in the outlet

#### Flashback arrestor

- 0** without flashback arrestor
- F2** flashback arrestor for KHM16
- F3** flashback arrestor for KH1/2

#### Over-pressure valve

- 0** without over-pressure valve
- SV** with over-pressure valve SV73 (not necessary with ASG)