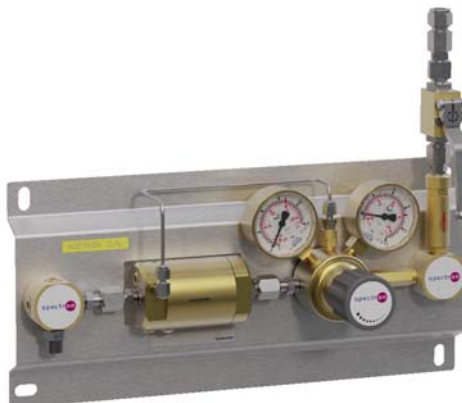


Pressure control panel BT2000AC



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 ⁻⁴ 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

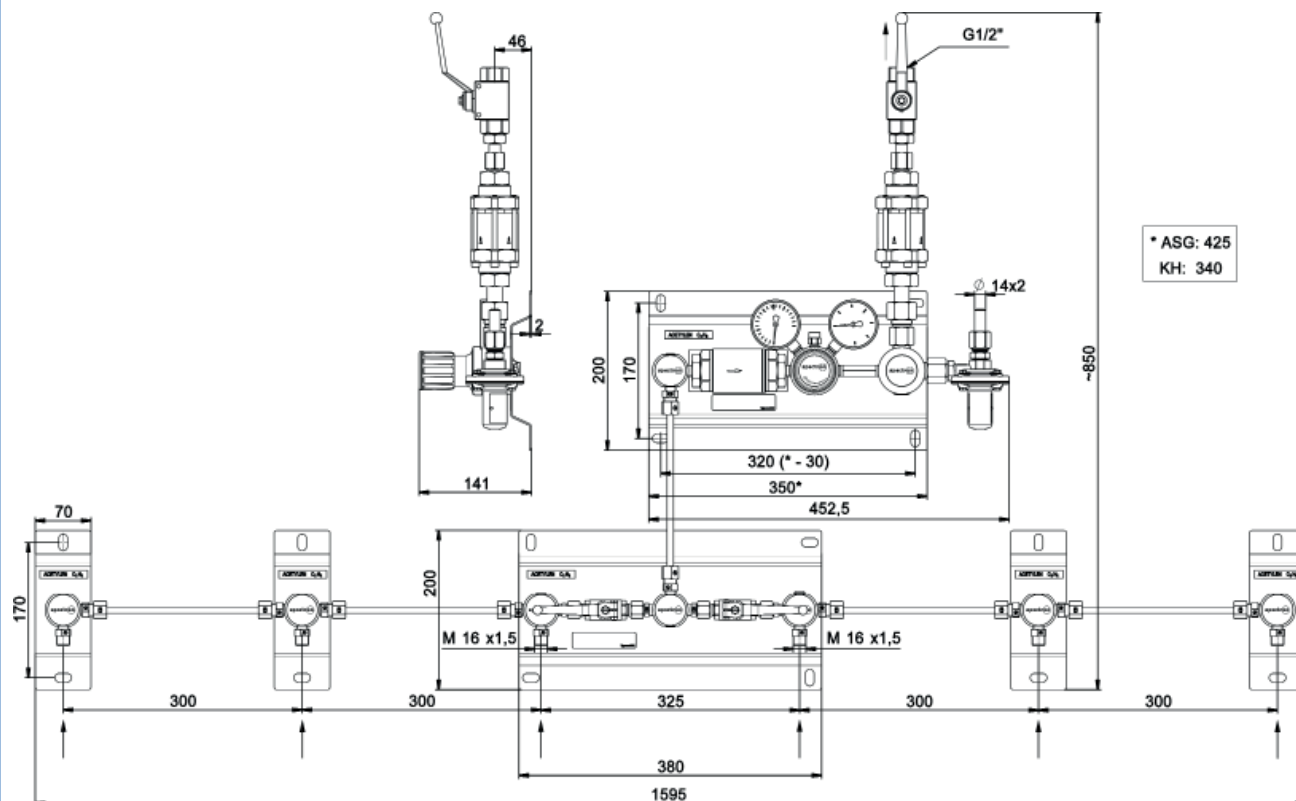
** An over-pressure valve is not considered to be a safety accessory according to the Pressure Equipment Directive 2014/68/EC (PED).

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)