# **Pressure control panel BT2000**





## BT2000-1x1

#### Product features

- · Wall mounting pressure control panels
- · For non-corrosive technical gases
- Modular design (to be extended to 1x2, 1x3, 2x2, 2x3 etc. cylinders)
- Filter in process gas inlet valve
- · Central filter in the regulator
- Pressure regulator with high control accuracy and integrated relief valve
- · Shut-off valves with On/Off-position indicator
- · Process gas and purge gas valve in the inlet
- · Safety pressure gauge acc. to DIN EN ISO 5171
- · Designed for easy installation
- Approved for use with oxygen
- Suitable for inlet pressure values of up to 300 bar
- Single-sided and double-sided models available as well as automatic switch-over
- Piston type regulators for outlet pressure values of up to 50 or 100 bar available



### BT2000-2Lx1

<u>Technical data</u>			
Туре	single-stage		
Inlet pressure P <sub>1</sub>	max. 300 bar		
<b>Outlet pressure P</b> <sub>2</sub> for 2L-models:	max. 10/20/50/100 bar 8-12 bar / 17-23 bar / 46-54 bar / 95-105 bar		
MaterialsBody:Diaphragm ( $P_2 \le 20$ bar):Piston ( $P_2 > 20$ bar):Valve seat:Filter process gas valve:Filter regulator:Mounting plate:	brass EPDM brass PA sintered bronze sintered stainless steel stainless steel		
<b>Connectors</b> Inlets: Outlet relief valve: Outlet:	G ½" male 1/8"-NPT female 1/4"-NPT female		
Temperature range	-20°C to +60°C		
Leak rate	≤ 10 <sup>-4</sup> mbar l/s He		
Weight BT2000-1 / -2 / -2L: Extensions:	3,7 / 5,5 / 7,5 kg 1,1 kg (per piece)		

#### Flow rates Q [m<sup>3</sup>/h] nitrogen

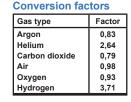
The table below provides approximate values for the flow rate in standard cubic meters of nitrogen at the indicated operating conditions. The flow rates for other gas types may be estimated using the conversion factors from the table on the right.

For detailed flow rate calculations please refer to our data sheet "Performance diagram". The values refer to a gas supply from just one side.

BT2000	P <sub>2</sub> [bar]			
P₁ [bar]	1	2,5	4	10
40	5	13	21	42
20	5	13	21	42
10	5	13	16	-
5	4	11	11	-

Performance factor L<sub>10</sub> = 2,5

Data sheet DES BT2000 - Edition 0721 Subject to alteration without prior notice © Spectron Gas Control Systems GmbH info@spectron.de wwww.spectron.de





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