

Cylinder pressure regulator FE52

spectron



FE52-L-300-10-DIN10-M-M-CE6-A-B-N2



FE52-R-200-10-CGA540-M-M-CE6-A-B-Ar

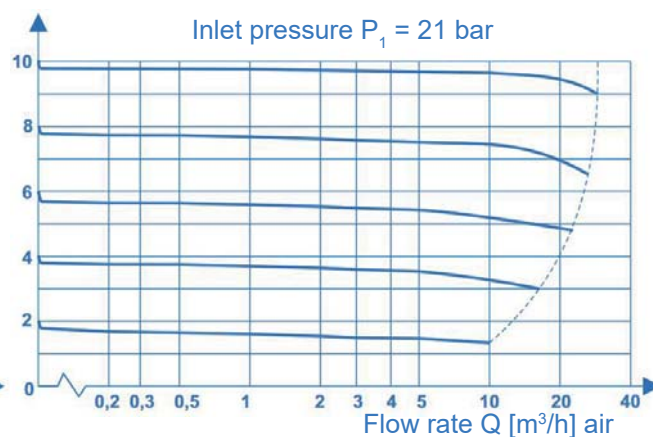
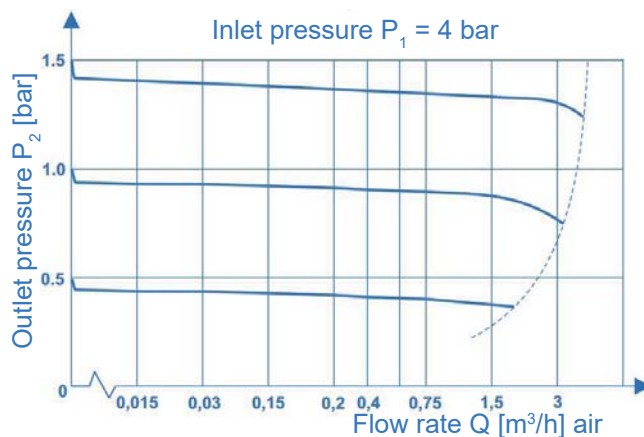
Product features

- Single-stage diaphragm cylinder pressure regulator with compensated main valve and anti-vibration device
- Safe and easy gas withdrawal from single cylinders, for corrosive, toxic gases and gas mixtures up to quality 6.0
- 6 ports for flexible and individual configuration
- Very high control accuracy
- Integrated relief valve
- Metal-to-metal seal to atmosphere
- Central filter
- Approved for use with oxygen
- New laboratory-style design
- Including cylinder connection
- Suitable for ECD applications
- Pressure regulator can be evacuated

Technical data

Inlet pressure P_1	max. 300 bar
Max. outlet pressure P_2	1,5 / 4 / 10 / 20 bar
Materials	
Body:	Edelstahl 1.4404
Diaphragm:	Hastelloy C276
Valve seat:	PVDF
Soft goods:	EPDM
Filter:	Edelstahl 1.4404
Inlet	Cylinder connection
Other in- / outlets	1/4"-NPT female
Temperature range	-20°C to +60°C
Leakrate (to atmosphere):	$\leq 10^{-8}$ mbar l/s He
(via seat):	$\leq 10^{-6}$ mbar l/s He
C_v-value	0,16
Weight	1,2 kg

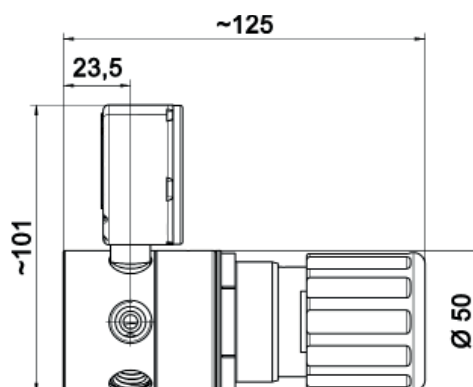
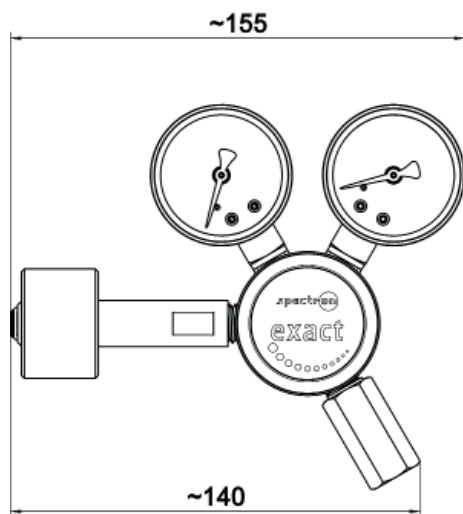
Flow curves FE52



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Dimensions FE52

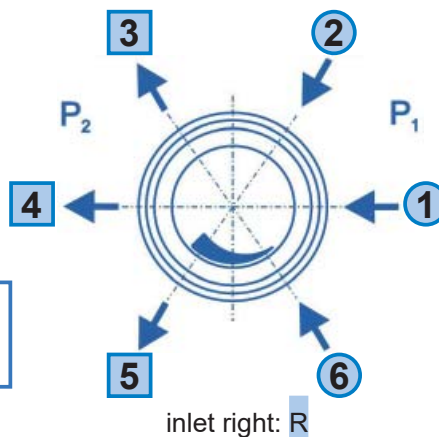
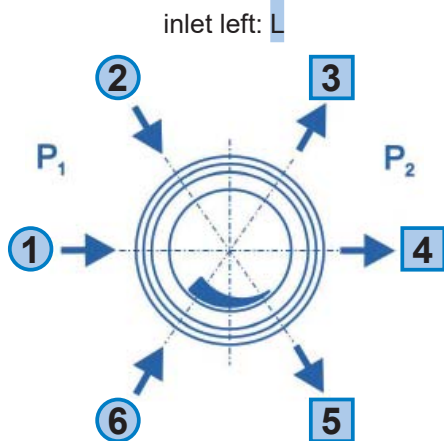


Ordering information:

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In- / outlets

CE 1/4	1/8" / 1/4" / 1/2" - compression fitting (stainless steel)
CE 6	3 / 6 / 8 / 10 / 12 mm - compression fitting (stainless steel)
B	plug
A	relief valve - 1/4"-NPT-F ($P_2 \leq 100$ bar)
xxxx	detailed specification of cylinder connection (e.g. BS no.3)
K	contact pressure gauge
M	pressure gauge
0	1/4"-NPT-F (port only)



FE52 - L - 300 - 20 - 1 - 2 - 3 - 4 - 5 - 6 - H2

Inlet

L	left
R	right

Inlet pressure P_1

100	max. 100 bar
200	max. 200 bar
300	max. 300 bar

Outlet pressure P_2

1,5	max. 1,5 bar
4	max. 4 bar
10	max. 10 bar
20	max. 20 bar

Type of gas

Please specify type of gas

For inlet pressure up to 50 bar and outlet pressure of max. 1,5 or 4 bar please use E51