

# Cylinder pressure regulator FE53

spectron



FE53-L-300-1,5-DIN10-M-M-0-A-B-N2



FE53-R-200-10-CGA540-M-M-CE6-A-B-Ar

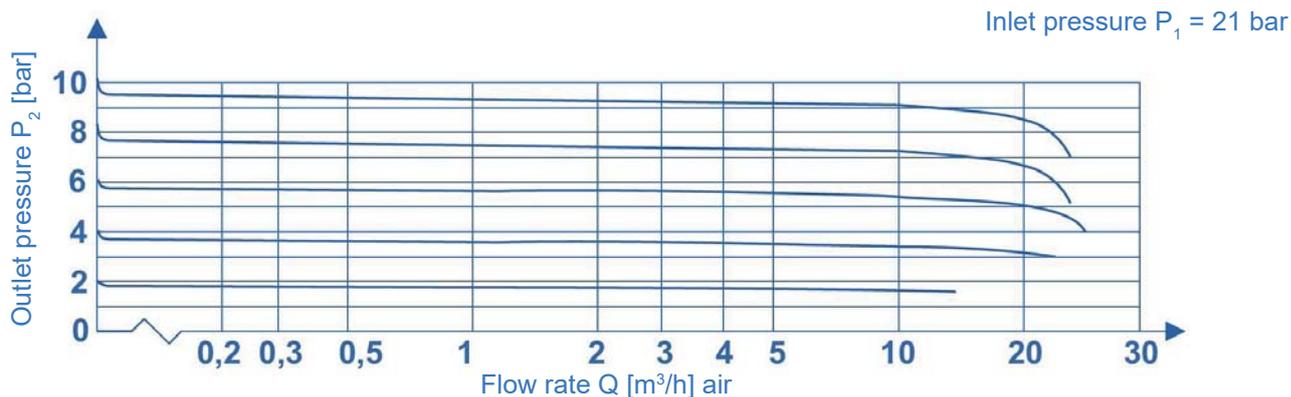
## Product features

- 2-stage diaphragm cylinder pressure
- 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

<b>Inlet pressure <math>P_1</math></b>	max. 300 bar
<b>Max. outlet pressure <math>P_2</math></b>	1,5 / 4 / 10 / 20 bar
<b>Materials</b>	
Body:	Stainless steel 1.4404
Diaphragm:	Hastelloy C276
Valve seat:	PCTFE, PTFE
Elastomers:	FKM / EPDM (NH <sub>3</sub> )
Filter:	Stainless steel 1.4404
<b>Inlet</b>	Cylinder connection
<b>Other in- / outlets</b>	1/4"-NPT female
<b>Temperature range</b>	-20°C to +60°C
<b>Leak rate (to atmosphere):</b>	≤ 10 <sup>-8</sup> mbar l/s He (via seat): ≤ 10 <sup>-6</sup> mbar l/s He
<b>Weight</b>	1,9 kg

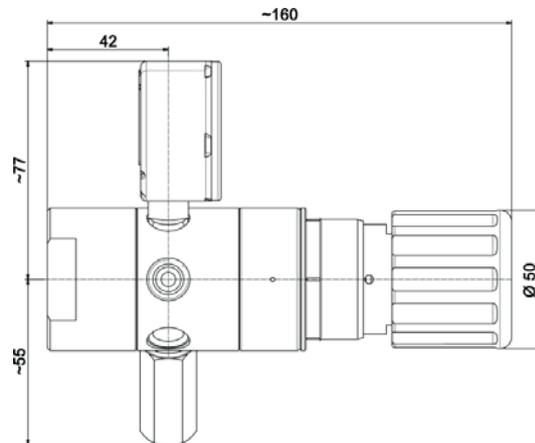
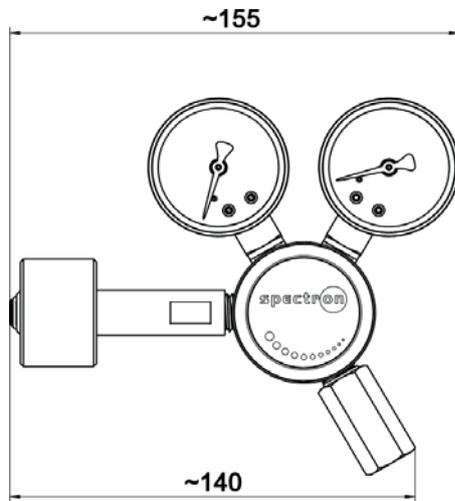
## Flow curves FE53



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## Dimensions FE53

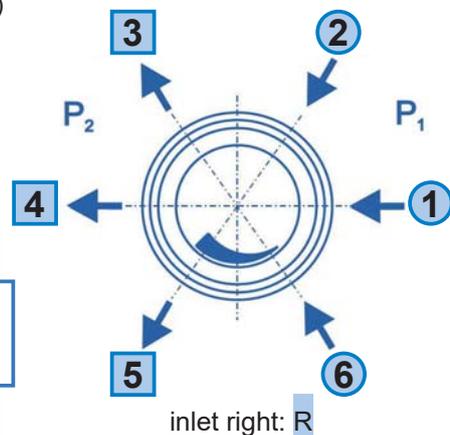
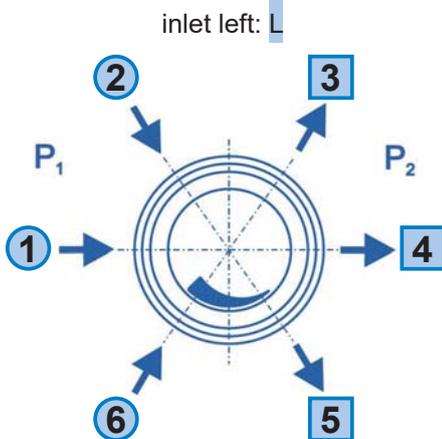


## Ordering information:

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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
- 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)



FE53 - 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.