

Panel / Line regulator M53-2

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Line pressure regulator LM53-2



Example: PM53 panel mounted

Product features

- 2-stage diaphragm line pressure regulator or for panel and panel surface mounting with anti-vibration device
- For non-corrosive gases and gas mixtures up to quality 6.0
- 2 ports for flexible and individual configuration
- Very high control accuracy
- Metal-to-metal seal to atmosphere
- Central filter
- Approved for use with oxygen
- New laboratory-style design
- 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: chrome plated brass
Diaphragm: Hastelloy C276
Valve seat: PA
Soft goods: FPM
Filter: stainless steel 1.4404

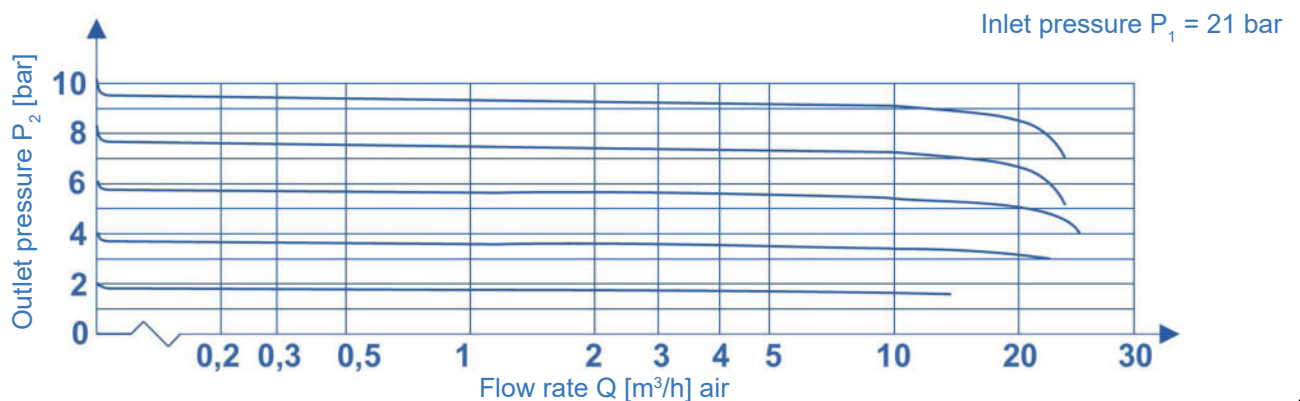
In- / outlets 1/4"-NPT female

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

Weight 1,6 kg

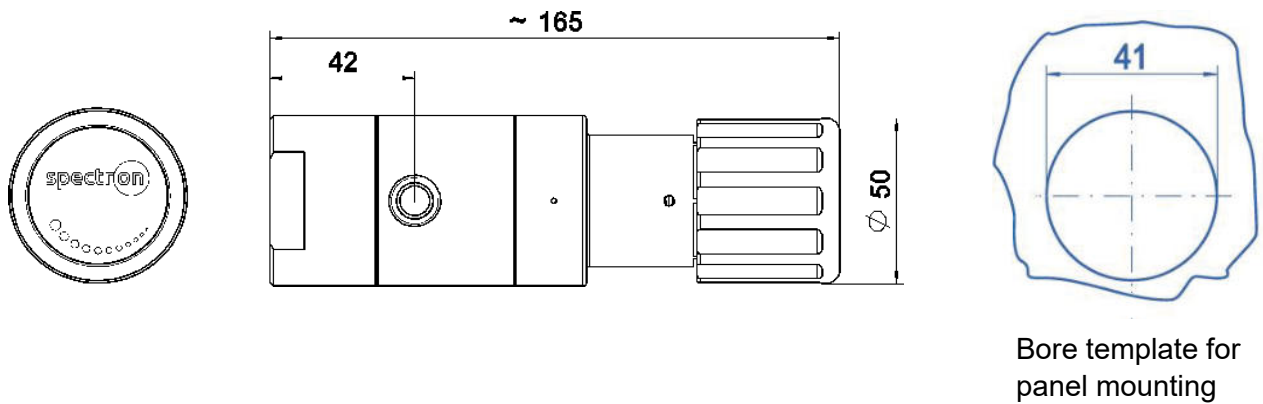
Flow curves M53



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Dimensions M53-2

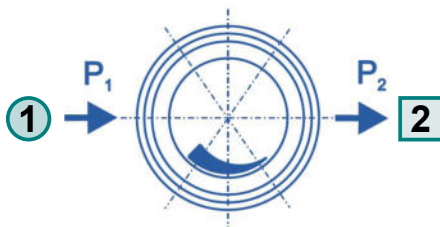


Ordering information:

Pressure regulators M53-2

In- / outlets

CM 1/4	1/8" / 1/4" / 1/2"-compression fitting (brass)
CM 6	3 / 6 / 8 / 10 / 12 mm - compression fitting (brass)
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)
0	1/4"-NPT-F (port only)



Individual port selection

LM53 - 2 - 300 - 20 - 1 - 2 - H2

Type

L	Line regulator
P	Panel regulator

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

Gas type

Please specify gas type!

For inlet pressure up to 50 bar and outlet pressure of max. 1,5 or 4 bar please use M51.