

Panel / Line regulator M53-2

spectron lab



Line pressure regulator LM53-6



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:	Sinterbronz

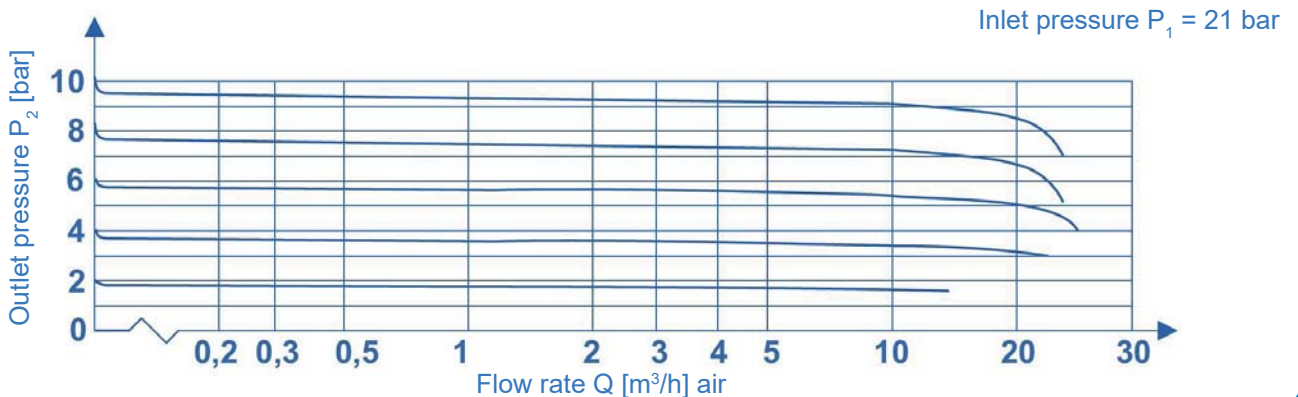
In- / outlets	1/4"-NPT female
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Temperature range	-20°C to +60°C
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Leakrate (to atmosphere):	$\leq 10^{-8}$ mbar l/s He
(via seat):	$\leq 10^{-6}$ mbar l/s He

Weight	1,6 kg
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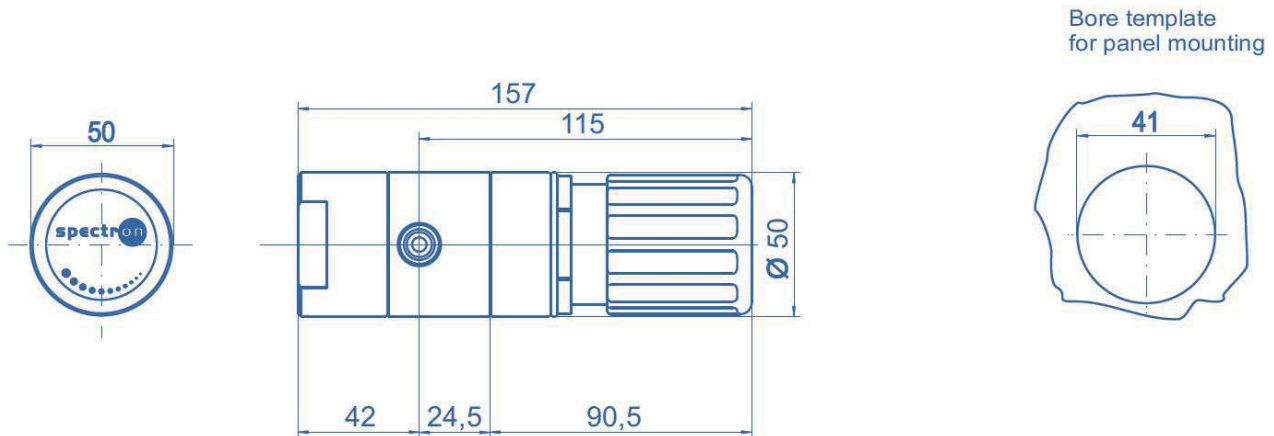
Flow curves M53



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Dimensions M53-2

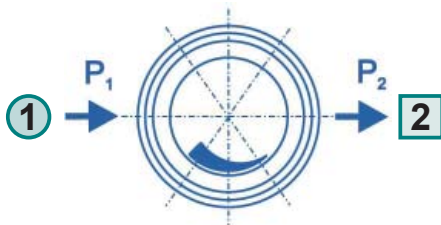


Ordering information:

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.