

Panel / Line regulator M51-4

spectron lab



Line pressure regulator LM51-4



Example: PM51 panel mounted

Product features

- Single-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
- 4 ports for flexible and individual configuration
- 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 ($P_1 \leq 50$ bar) 10 / 20 / 50 / 100 / 200 bar ($P_1 > 50$ 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

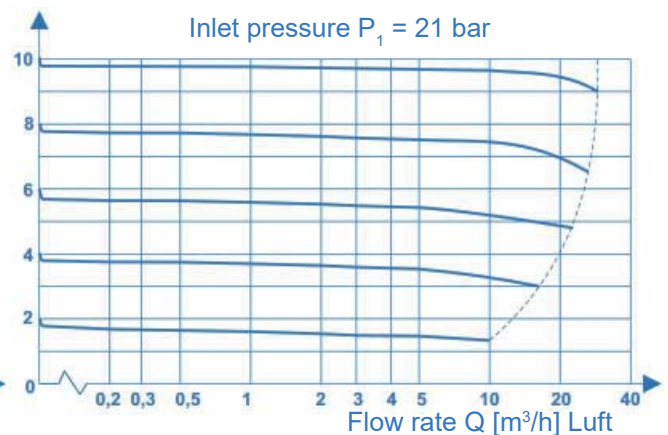
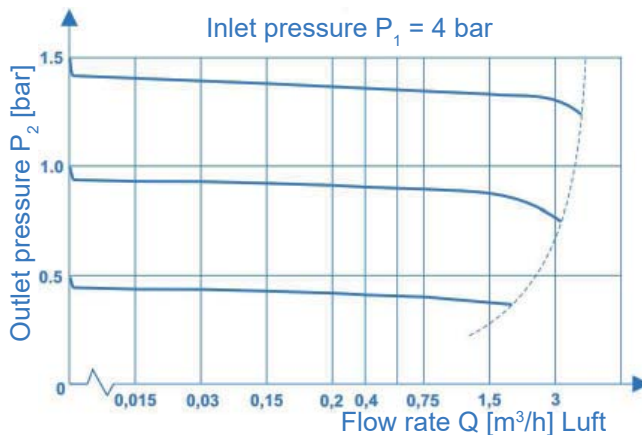
Temperature range -20°C to +60°C

Leakrate (to atmosphere): $\leq 10^{-8}$ mbar l/s He
(via seat): $\leq 10^{-6}$ mbar l/s He

C_v value 0,15

Weight 1,0 kg

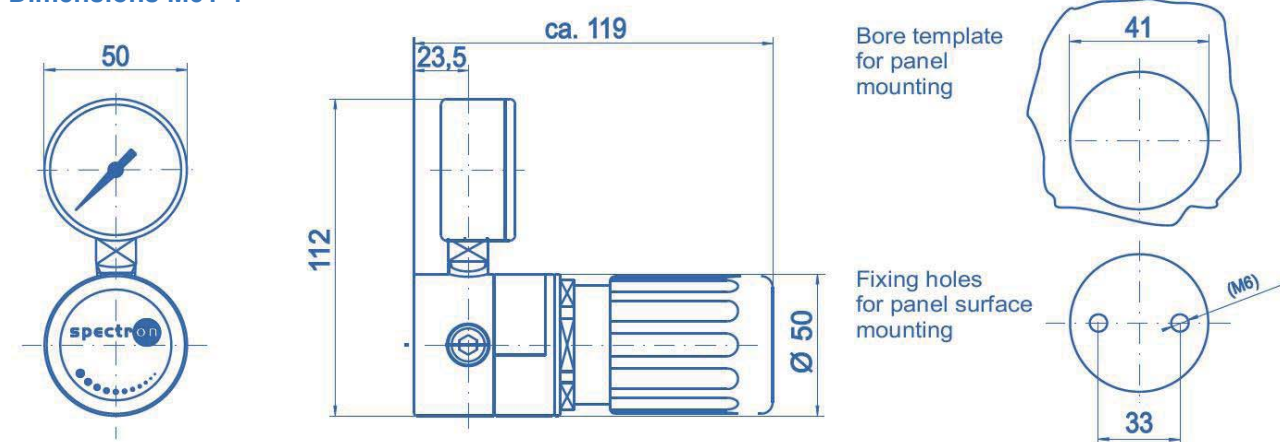
Flow curves M51



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Dimensions M51-4

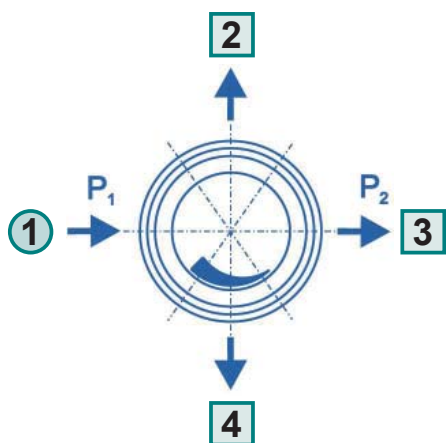


Ordering information:

Pressure regulators M51-4

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)
- B** plug
- A** relief valve - 1/4"-NPT-F ($P_2 \leq 100$ bar)
- K** contact pressure gauge
- M** pressure gauge
- O** 1/4"-NPT-F (port only)



Individual port selection

LM51 - 4 - 300 - 20 - 1 - 2 - 3 - 4 - H2

Type

- L** Line regulator
- P** Panel regulator

Inlet pressure P_1

- 10** max. 10 bar
- 20** max. 20 bar
- 50** max. 50 bar
- 100** max. 100 bar
- 200** max. 200 bar
- 300** max. 300 bar

Outlet pressure P_2

- 1,5** max. 1,5 bar ($P_1 \leq 50$ bar)
- 4** max. 4 bar ($P_1 \leq 50$ bar)
- 10** max. 10 bar
- 20** max. 20 bar
- 50** max. 50 bar
- 100** max. 100 bar
- 200** max. 200 bar

Gas type

Please specify gas type!