

Line pressure regulator LE53-2

spectro**cem**



Panel pressure regulator LE53-2

Specifications

- SPECTROCEM - components guarantee maximum quality by using high grade materials and a quality assurance program acc. to ISO 9001.
- All components which come into contact with the medium are cleaned in an ultrasonic cleaning system (CFC-free) with the special cleaning process SPECTRO-CLEAN® and are then baked out.
- SPECTROCEM - components undergo a 100% Helium-leak-test.

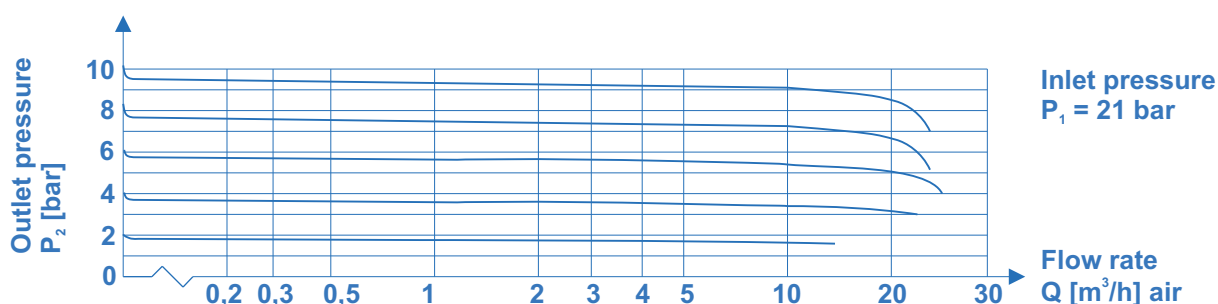
Product features

- Double-stage stainless steel line pressure regulator with very stable outlet pressure and anti-vibration device
- For corrosive, toxic gases and gas mixtures with corrosive components up to quality 6.0
- 2 ports for flexible and individual configuration
- Central filter
- Suitable for inlet pressures up to 300 bar
- Max. outlet pressures 1,5 up to 200 bar
- Suitable for ECD-applications
- Pressure regulator can be evacuated
- Approved for use with oxygen
- Simple outlet pressure limitation by handwheel
- New laboratory-style design
- Easy to install

Technical data

Type	double-stage
Inlet pressure P_1	max. 300 bar
Outlet pressure P_2	1,5 / 4 / 10 / 20 bar
Materials	
Body regulator:	SS 316L (SS 1.4404)
Valve seat:	PVDF
Diaphragm:	Hastelloy C276
Filter:	Sintered SS 316L
In- and outlets	1/4" NPT-F
Temperature range	-30°C to +60°C
Leak rate (to atmosphere) (via seat)	1×10^{-8} mbar l/s He 1×10^{-6} mbar l/s He
Flow capacity	$C_v=0.15$
Weight	1.6 kg

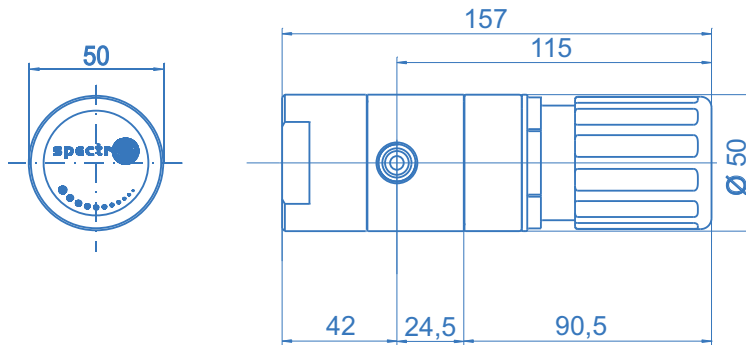
Flow curves LE53



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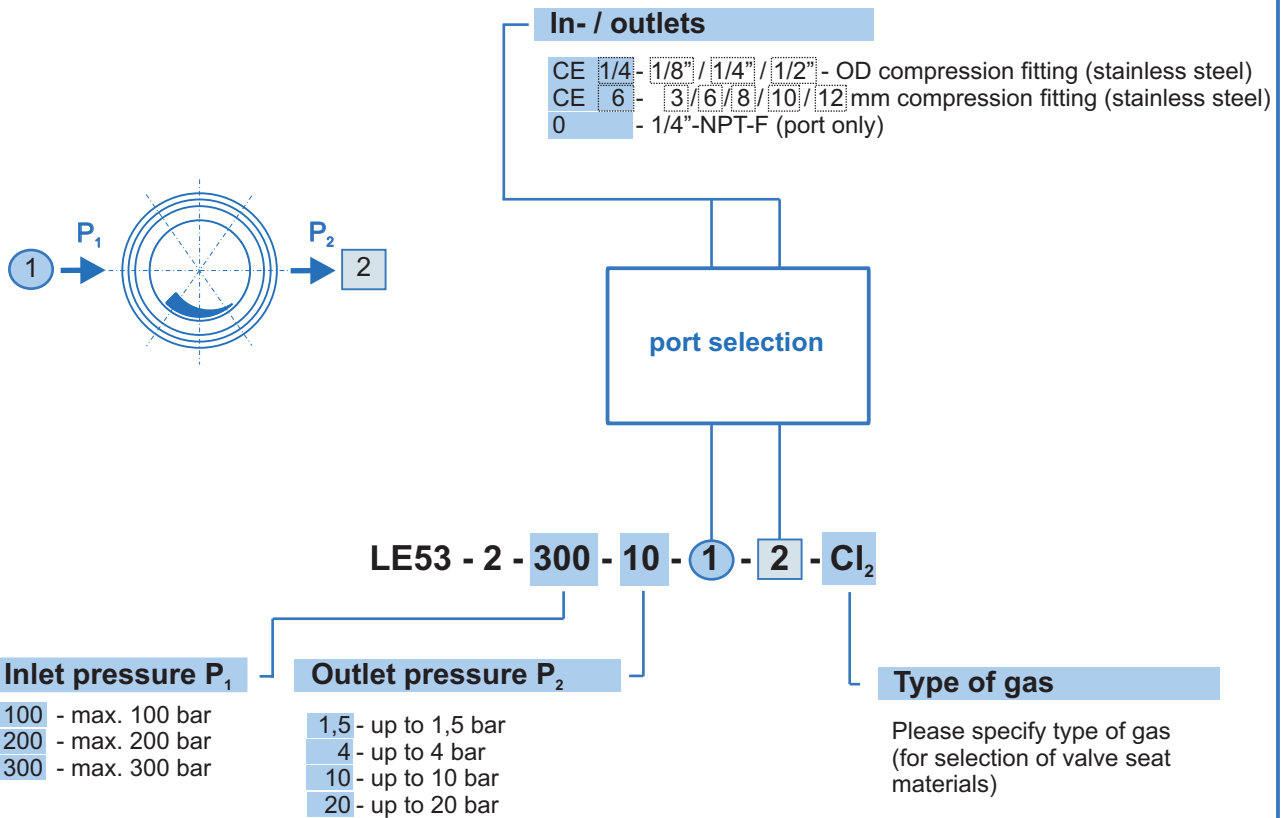


Dimensions



Ordering information:

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