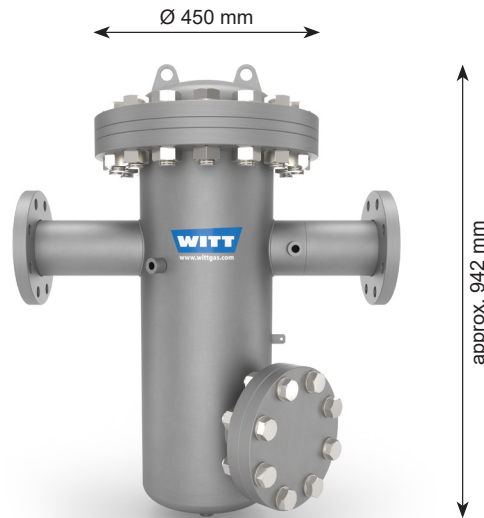


GAS FILTER LE6



WITT gas filter LE6 protects downstream components and systems from contamination and condensates.

Its size allows high flows with low pressure drop and compliance with the EIGA, AIGA and CGA maximum velocity limits.

Benefits

- ultra fine filtering out of mechanical impurities through bronze filter inserts
- broad range of applications – compatible with many technical gases
- change of filter possible while installed due to user-friendly design
- high flowrate owing to flow-maximising design (4 500 Nm³/h for O₂ at inlet pressure 30 bar and pressure drop 50 mbar)
- condensates can be collected and removed using condensate drain
- optimized design for easy installation and maintenance
- extended flange connections for the simplest possible mounting of this heavy unit
- connections on the inlet and outlet side to allow for pressure monitoring
- reliable filtering performance increases service life of downstream components and equipment

Operation / Usage

- Gas filters are designed for installation in pipelines
- must be installed vertically

Maintenance

- condensates should be drained at regular intervals
- filter inserts must be checked regularly and replaced if necessary

Options

- electronic differential pressure monitoring

Approvals

Company certified according to ISO 9001 and PED 2014/68/EU Module G

CE-marked according to:
- PED 2014/68/EU

Designed for Oxygen Service in accordance with EIGA 13/20, CGA G-4.4 and AIGA 021/20: Oxygen Pipeline and Piping Systems

Model	Max. working pressure [bar]	Material	Temperature	Weight [kg]	Connection	Filtering fineness	Order-No.
LE6	Carbon dioxide (CO ₂)	Housing – Stainless Steel	-40 °C up to +100 °C	193	inlet / outlet Flange both sides DN100 / PN40	15 µm	078-001
	Argon (Ar)						
	Helium (He)	Filter – Bronze	Oxygen (O) +60 °C		pressure monitoring G 3/8 F		
	Compressed air (D)						
	Hydrogen (H)						
Natural gas (M)	Seals – Elastomer	Oxygen (O) +60 °C	pressure monitoring G 3/8 F				
Nitrogen (N)							
LPG (P)							
Oxygen (O)	30.0						
Replacement filter inserts of bronze							FI-LE6

Other connections available upon request

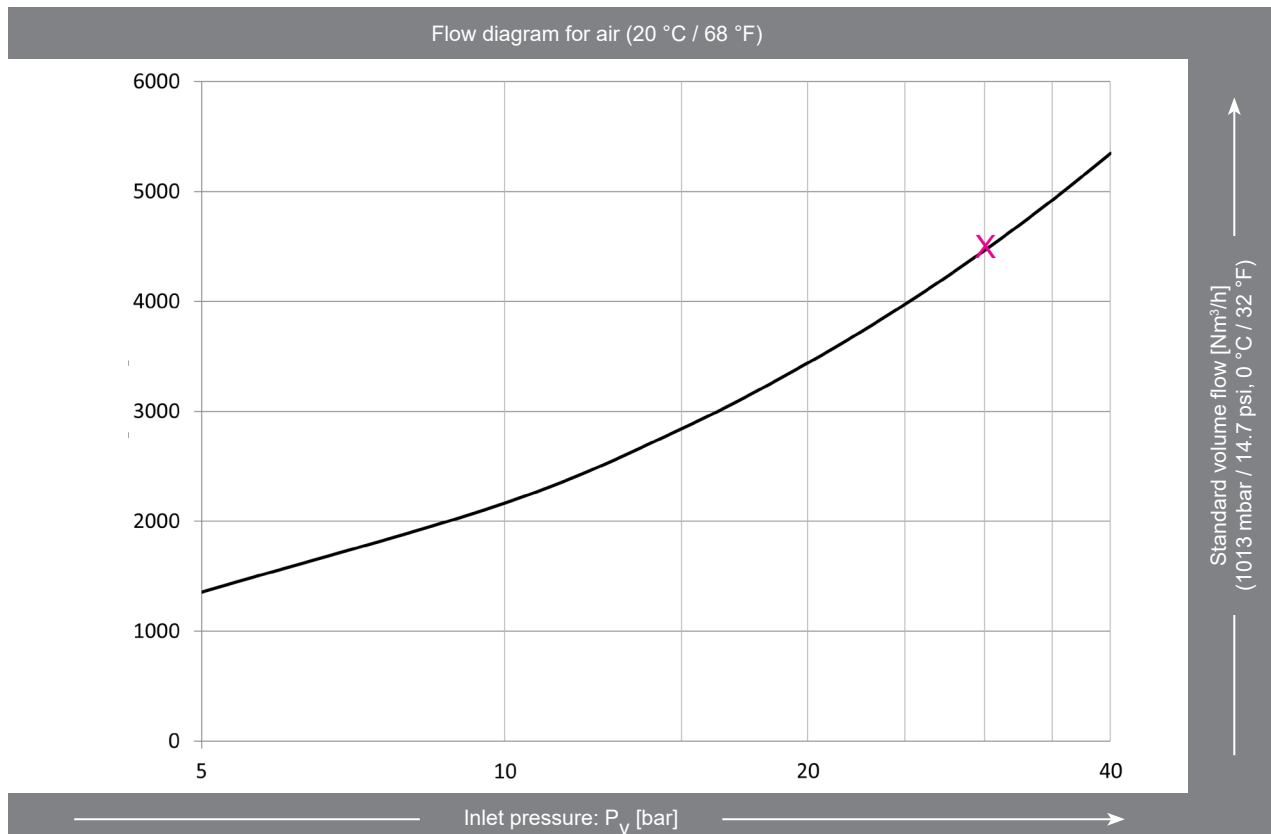
GAS FILTER LE6



LE6
at $\Delta p = 50$ mbar

Conversion factors:

Butane	x 0.68
Natural gas	x 1.25
Carbon dioxide	x 0.81
Methane	x 1.33
Propane	x 0.80
Oxygen	x 0.95
Town gas	x 1.54
Hydrogen	x 3.75



Δp max. = 1 bar in continuous operation

Let us know your operating conditions!
We will be pleased to calculate your individual pressure drop.

