

Gas filter SF



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CHARACTERISTICS

- With a synthetic fiber filter pad, the filtration accuracy $\leq 50 \mu\text{m}$.
- Modular design for easy-to-replace filter pad.
- Lightweight design, the housing is made of aluminum with the except for DN150, whose housing is made of carbon steel.
- Pressure test nipples or pressure switch can be installed on the reserved hole to monitor the status of the filter.

APPLICATIONS

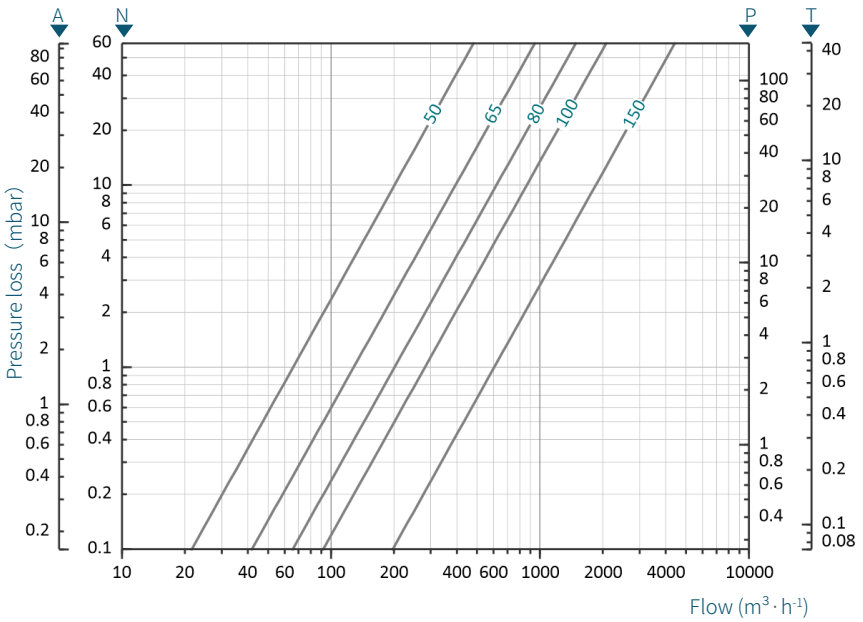
The gas filter is used to protect the downstream devices against blockage, improve the safety performance of downstream devices and effectively extend the service life of downstream devices.

SPECIFICATION

Technical parameters

- Flange joint, max. inlet pressure ≤ 4 bar.
- The pressure test nipples can be installed on filter to detect the pressure gradient over filter pad, the pressure gradient should not exceed 1 kPa.

Pressure loss



A: Air, 1.2 kg/m³,

N: Natural gas, 0.75 kg/m³,

P: LPG, 2.0 kg/m³,

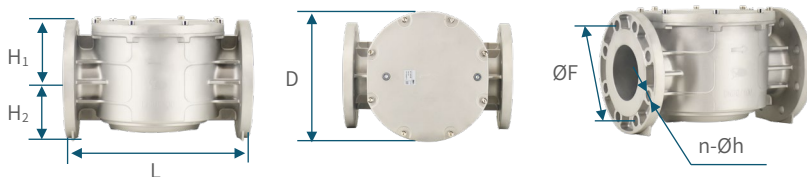
T: Town gas, 0.55 kg/m³.

Gas temperature: 20 °C.

Type table

Types	SF	80	F	4B	C
Dimensions	50: DN50	65: DN65	80: DN80		
	100: DN100	150: DN150			
Connection	F: Flange				
Pressure	4B: 4 bar				
Other	C: With pressure test nipples				

Dimensions



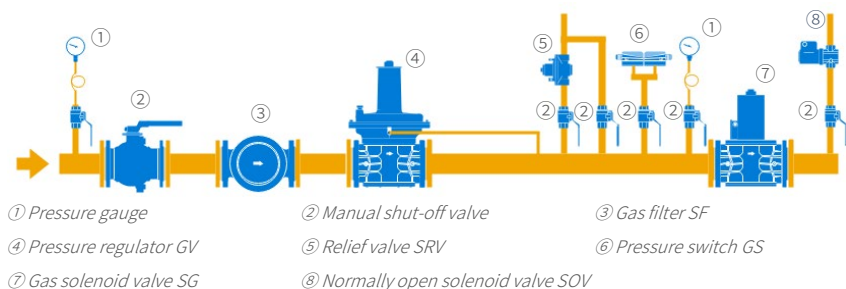
Type	Connection	L/mm	H ₁ /mm	H ₂ /mm	D/mm	F/mm	h/mm	n
SF 50F4B	DN 50	208	86	74	182	125	Threaded hole, M16	4
SF 65F4B	DN 65	208	86	74	182	145	Threaded hole, M16	4
SF 80F4B	DN 80	340	114	110	260	160	18	8
SF 100F4B	DN 100	340	114	110	260	180	18	8
SF 150F4B	DN 150	470	167	165	368	240	22	8

Use plate flat-welded steel pipe flange of PN1.6MPa in GB/T9119-2010 as mating flange.

The interface flange of DN50-DN65 has threaded holes, and M16 double-ended stud is recommended for installation.

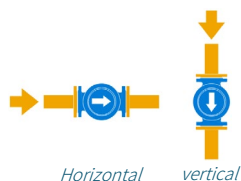
SOLUTIONS

For gas main pipeline:



INSTALLATION

- Installation position: in horizontal or vertical pipeline. To facilitate maintenance, the filter cover should be located at the side.
- The arrow on the valve body indicates the flow direction, determine the installation direction according to the arrow.
- Ambient temperature: $-15\sim 60\text{ }^{\circ}\text{C}$, install away from heat sources.



Attention

- The pipeline must be purged before installing to prevent foreign matters in the pipeline from falling into the filter.
- Do not weld the pipe around the valve after installing to prevent foreign matters from blocking or damaging the valve.
- To facilitate maintenance, install a manual shut-off valve upstream.
- Do not exceed the max inlet pressure of 4 bar.
- Maintenance cycles: change filter pad once a year or in case the pressure gradient is over 2 kPa.