

Pipeline Ancillaries

Strainers and Filters FI 6.01

Stainless Steel Gas Filter



Technical Data

Connection DN	15 - 100
Connection G	1/2 - 2
Nominal Pressure PN	16
Temperature	80 °C
Medium	gases

Description

Gas filters protect plants and equipments such as regulators, valves, measuring equipment, safety valves and burners against damage or operational failure caused by contamination. They are essential for start-up as well as continuous operation. In systems equipped with multiple tube filters they may be used as a bypass filter instead of costly additional standby filters.

FI 6.01 is entirely manufactured from deep-drawn stainless steel featuring excellent corrosion resistance.

Servicing/maintenance is easy and does not call for special tooling.

The filter may be installed in any position; installation with the cover at the bottom is recommended.

Top and bottom sections of the valve body are connected by a clamp ring and two bolts. Servicing/maintenance is easy and does not call for special tooling.

Installation can be carried out in any position; installation with the cover at the bottom is recommended.

Standard

- » filter medium made of skeletal polyester foam (for pore size and number of sheets see overleaf)
- » stainless steel support frame fitted with quick-release locking
- » quick-release body clamp ring

Options

- » filter medium in various pore sizes (see table on right)
- » various seal materials suitable for your medium
- » special connections: Aseptic, ANSI or DIN flanges, welding spigots; other connections on request
- » special versions on request

Operating instructions, know how and safety instructions must be observed. All the pressure has always been indicated as overpressure. We reserve the right to alter technical specifications without notice.



Filter Mats

mat no.	size of pores mm	dust restraint capacity % with testdust, limit grain 0,005 mm	
80	0.150	clean	71%
		medium	85%
		dirty	91%
60	0.265	clean	63%
		medium	78%
		dirty	86%
45	0.370	clean	56%
		medium	72%
		dirty	82%

Number of Filter Mats

nominal diameter		
G 1/2 - 2	DN 15 - 50	DN 65 - 100
1 x no. 60	1 x no. 60	1 x no. 60 1 x no. 45

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Materials	
Body	CrNiMo-steel
Seal	EPDM
Filter Mat	polyesterfoam with skeleton construction
Supporting Frame	CrNiMo-steel
Profile Clamp	CrNiMo-steel

Dimensions [mm]						
size	nominal diameter G					
	1/2	3/4	1	1 1/4	1 1/2	2
A ₁ *	110	110	110	110	110	160
B	105	105	105	105	105	105
C	155	155	155	155	155	155
D	140	140	140	140	140	140

* tolerance ± 2 mm

Weights [kg]					
nominal diameter G					
1/2	3/4	1	1 1/4	1 1/2	2
1.2	1.4	1.4	1.6	1.6	2.3

Dimensions [mm]									
size	nominal diameter DN								
	15	20	25	32	40	50	65	80	100
A ₂ *	150	150	160	180	200	230	290	310	350
B	108	108	108	108	108	108	148	148	207
C	157	157	157	157	157	157	212	212	270
D	140	140	140	140	140	140	200	200	200

* tolerance ± 2 mm

Weights [kg]								
nominal diameter DN								
15	20	25	32	40	50	65	80	100
2.6	3.2	3.6	5	5.4	6.3	9.4	10.7	13.5

Special designs on request.
The pressure has always been indicated as overpressure.
Mankenberg reserves the right to alter or improve the designs or specifications of the products described herein without notice.

Dimensional Drawing

