

Gas Filter for pipelines, straight-through style up to 80 °C

Technical Data

Connection G 3/8 - 2
DN 15 - 250
Nominal Pressure PN 16 - 160

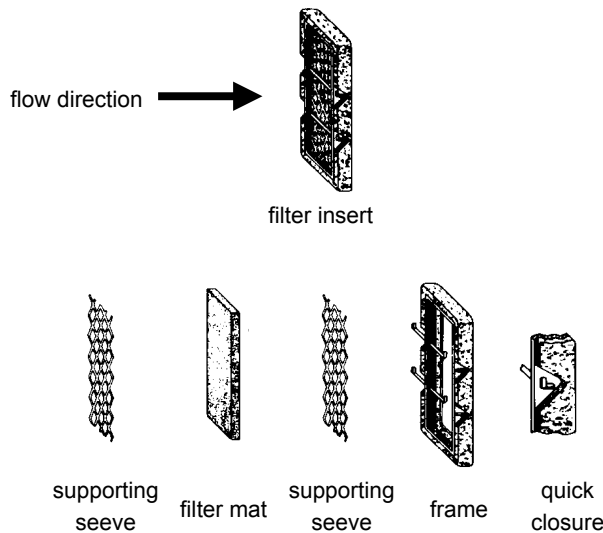
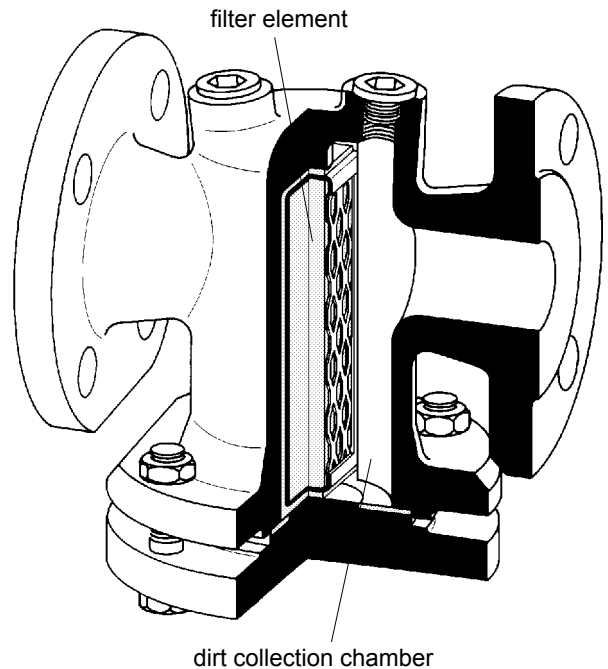
Description

Gas filters protect plant and equipment 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 GF 1.01 may be used as a bypass filter instead of costly additional standby filters.

Cleaning is extremely simple and quick thanks to the quick-release locking of the filter element.

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



Filter Mat		
mat no.	size of pores mm	dust restraint capacity with testdust, limit grain 0.005 mm %
80 (special)	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
30	0.580	clean 55
		medium 65
		dirty 70

STANDARD EQUIPMENT

- Filter medium made of skeletal polyester foam (for pore size and number of sheets see tables on right)
- Stainless steel support frame fitted with quick-release locking

OPTIONS

- Filter medium in various pore sizes (see table on right)
- Pressure gauges upstream and downstream of the filter element
- Various seal materials suitable for your medium
- Special versions on request

Operating instructions, Know How and Safety instructions must be observed.

The pressure has always been indicated as overpressure.

We reserve the right to alter technical specifications without notice.

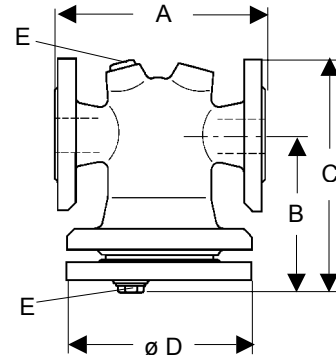
Number of Filter Mats			
nominal diameter			
G 3/8 - 2	DN 15 - 50	DN 65 - 125	DN 150 - 250
1 x no. 60	1 x no. 60	1 x no. 60 1 x no. 45	1 x no. 60 1 x no. 45 1 x no. 30

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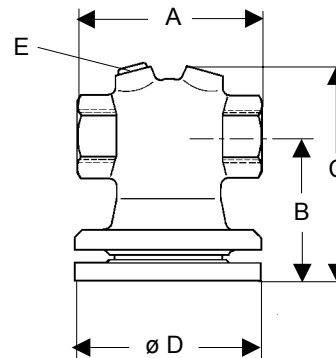
Werkstoffe		
Body	PN 16	up to DN 25 grey cast iron from DN 32 spheroidal cast iron
	PN 25	cast steel
Seal	Nova Universal	
Filter Mat	Polyesterfoam with skeleton construction	
Supporting Frame	CrNiMo-steel	

Dimensions [mm] flange connection														
size	PN	nominal diameter DN												
		15	20	25	32	40	50	65	80	100	125	150	200	250
A	16	130	150	160	180	200	230	290	310	350	400	400	480	570
	40	196	200	-	244	-	-	-	-	-	-	-	-	-
	63/160	210	230	-	-	-	-	-	-	-	-	-	-	-
B	16	65	110	125	130	135	150	170	160	190	250	275	345	465
	40	120	120	-	130	-	-	-	-	-	-	-	-	-
	63/160	120	145	-	-	-	-	-	-	-	-	-	-	-
C	16	120	160	185	215	220	255	285	275	345	410	490	595	720
	40	170	170	-	215	-	-	-	-	-	-	-	-	-
	63/160	170	200	-	-	-	-	-	-	-	-	-	-	-
ø D	16	110	110	140	140	170	170	210	220	255	320	350	435	540
	40	110	110	-	140	-	-	-	-	-	-	-	-	-
	63/160	110	150	-	-	-	-	-	-	-	-	-	-	-
E	16 - 160	G 1/4						G 1/2						



Weights [kg] flange connection													
PN	nominal diameter DN												
	15	20	25	32	40	50	65	80	100	125	150	200	250
16	22.5	4.5	6	8.5	13	17	25	30	46	67	90	158	260
40	5.5	6.5	-	11	-	-	-	-	-	-	-	-	-
63/160	8	16	-	-	-	-	-	-	-	-	-	-	-

Dimensions [mm] BSP female connection									
size	PN	nominal diameter G							
		3/8	1/2	3/4	1	1 1/4	1 1/2	2	
A	16	90	90	120	140	140	170	170	
	40	120	120	120	-	160	-	-	
	63/160	120	120	120	-	-	-	-	
B	16	65	65	110	125	130	135	150	
	40	120	120	120	-	130	-	-	
	63/160	120	120	120	-	-	-	-	
C	16	120	120	165	185	215	220	255	
	40	170	170	170	-	215	-	-	
	63/160	170	170	170	-	-	-	-	
ø D	16	65	110	110	140	140	170	170	
	40	110	110	110	-	140	-	-	
	63/160	110	110	110	-	-	-	-	
E	16 - 160	G 1/4	G 1/4	G 1/4	G 1/4	G 1/4	G 1/4	G 1/4	



Weights (kg) BSP female connection								
PN	nominal diameter G							
	3/8	1/2	3/4	1	1 1/4	1 1/2	2	
16	1.5	1.5	3	4	5	7.5	10.5	
40	5	5	5	-	7	-	-	
63	6	6	6	-	-	-	-	
160	8	8	8	-	-	-	-	

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.

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