Pipeline Ancillaries

Strainers and Filters FI 1.01

Gasfilter for High Pressures

BOISWOOD
GAS AND LIQUID CONTROL TECHNOLOGIES
Pressure & Vacuum
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HVACR
Custom Services

www.mankenberg.de | Tel. +49 (0) 451 - 8 79 75 0
MANKENBERG GmbH | Spenglerstraße 99 | D-23556 Lübeck
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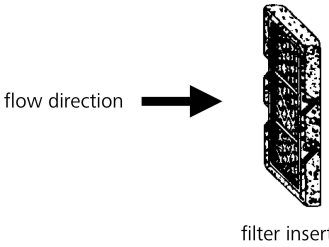
Technical Data

Connection DN	15 - 250
Connection G	3/8 - 2
Nominal Pressure PN	16 - 160
Temperature	80 °C
Medium	gases

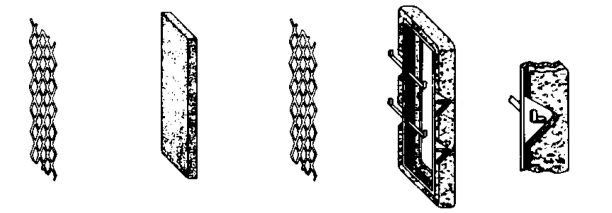
Description

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.

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



filter insert



supporting seeve | filter mat | supporting seeve | frame | quick closure

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 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. All the pressure has always been indicated as overpressure. We reserve the right to alter technical specifications without notice.

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%

Number if Filter Mats			
nominal diameter			
G 3/8 - 2	DN 15 - 50	DN 65 - 125	DN 150 - 250
1 x Nr. 60	1 x Nr. 60	1 x Nr. 60 1 x Nr. 45	1 x Nr. 60 1 x NR. 45 1 x Nr. 30

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Materials		
Body	PN 16	up to G 1, DN 25 grey cast iron from G 1 1/4, DN 32 spherodial cast iron
	PN 25 - 160	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
A	16	-	150	160	180	200	230	290	310	350	400	400
	40	196	200	-	244	-	-	-	-	-	-	-
	63/160	210	230	-	-	-	-	-	-	-	-	-
B	16	-	110	125	130	135	150	170	160	190	250	275
	40	120	120	-	130	-	-	-	-	-	-	-
	63/160	120	145	-	-	-	-	-	-	-	-	-
C	16	-	160	185	215	220	255	285	275	345	410	490
	40	170	170	-	215	-	-	-	-	-	-	-
	63/160	170	200	-	-	-	-	-	-	-	-	-
øD	16	-	110	140	140	170	170	210	220	255	320	350
	40	110	110	-	140	-	-	-	-	-	-	-
	63/160	110	150	-	-	-	-	-	-	-	-	-
E	16 - 160	-						G 1/2			G 1	
F	16 - 160	G 1/4									G 1/2	

Weights [kg] flange connection

nominal pressure PN	nominal diameter DN										
	15	20	25	32	40	50	65	80	100	125	150
16	-	4.5	6	8.5	12.5	16.5	25	30	46	67	90
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	-	-	-	-
øD	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

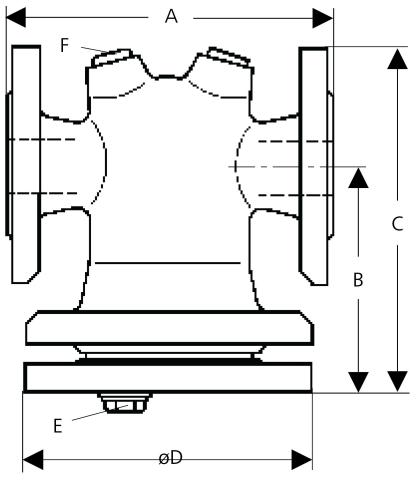
PN	nominal diameter G						
	3/8	1/2	3/4	1	1 1/4	1 1/2	2
16	1.5	1.5	3	4	5	7.5	10.5
40	5	5	5	-	7	-	-
63	6	6	6	-	-	-	-
160	8	8	8	-	-	-	-

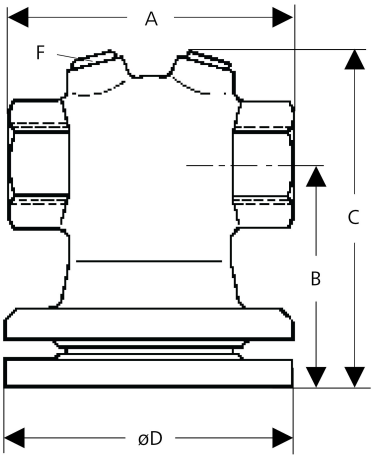
Customs Tariff Number

84818099

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





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