

Single Filter with threaded couplings **F 119** G ½ - 2

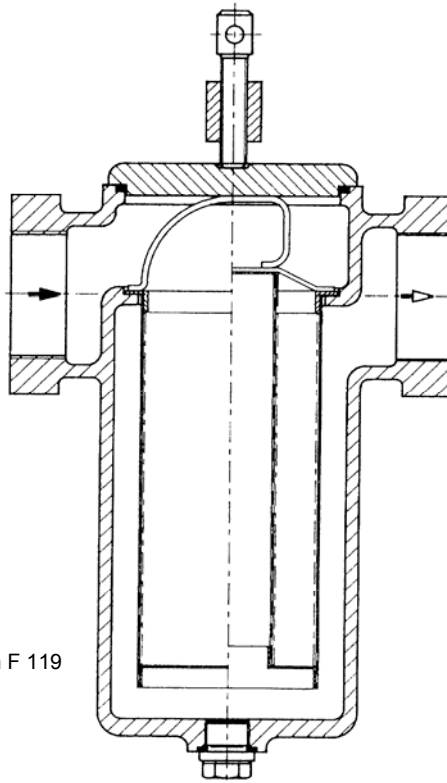


Fig.1:
Standard design F 119

Nominal width DN	Nominal pressure BD
G ½ - 2	6 (10)

Field of Application

The type series F 119 comprehend sleeve filters in various material designs for multiple purposes. In particular, they are suitable for filtering gaseous and liquid media in case of low working pressures. It is used as a filter for fine and coarse particles by selecting different strainer cloths.

Abstract

The filter consists of a housing and a cover, a clip lock, and a filter insert.

The filter insert consists of a perforated plate, alternatively covered with a cloth made of various materials having different mesh widths. The medium to be filtered will enter the filter from above and, as a rule, it will flow through the insert from the inside to the outside. Hence, the contaminations will remain within the strainer insert.

Installation

The filter will be inserted into the piping using sleeve joints. The inlet and outlet have to be arranged at the same level. Make sure that the medium flows through the filter in the direction of the arrow cast onto the housing. A wrong connection may cause a deformation of the filter insert.

Cleaning

Attention! As it is a pressure vessel we are dealing with, you should absolutely make sure that the vessel is unpressurized prior to starting the maintenance work.

1. Loosen the toggle, shift the lock clip laterally aside and lift off the cover.
2. Using the draining device, empty the filter at least down to the level of the strainer support.
3. Pull the strainer insert out of the filter housing. Now the strainer can be cleaned by blowing out or blasting using compressed air, steam, or water. If necessary, the strainer should be soaked and cleaned using a suitable agent.
4. Possibly, an optimal cleaning will be obtained using ultrasonics. In case of all these modes of cleaning you should always take care not to damage the filter cloth.
5. During the reassembly, following the disassembly procedure in the reverse, the sealing elements should be checked if they are intact; if necessary, they should be replaced.

Single Filter with threaded couplings G 1/2 - 2

F 119

	Standard design	Special design or supplementary equipment respectively
Filter insert	Basket strainer	ring-type strainer / cartridge insert magnet filter insert
Filter fineness	80 - 1000 µm: cloth with support plate (please refer to Page 6.1) as of 1 mm: a perforated plate with a circular perforation	10 – 60 µm
Filter lock	Clamp with T screw	-
Draining device	Bolt	-
Connection	female pipe thread, Whitworth, NPT	with welding studs
Materials:		
Housing and Cover:	G: GGG-50 L: casting alloy	R: Fine bronze A: 1.4581
Cover sealing (O-Ring)	Buna N	-
Perforated plate/cloth	St/-, B/-, A2/-, St/A4, B / Zb / Bz A2/A4	-
Cartridges	-	Pulp
Drain plug	A4, B	-

On customer's request, further design and material variants will be manufactured and supplied.
Please let us have your relevant inquiry.
Please indicate the filter fineness in your inquiries and orders.

Technical data and dimensions

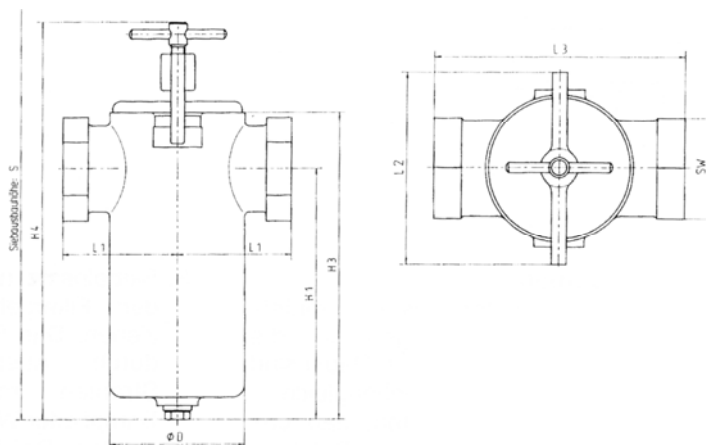


Fig.2:
Dimensions of standard design

DN	PN	ØD	H1	H3	H4	L1	L2	L3	S	SW	Volume	Flow rate	Filter area basket strainer	Filter area ring strainer	Weight			
															L	G	A	R
															ca.	ca.	ca.	ca.
mm	bar	mm	mm	mm	mm	mm	mm	mm	mm	mm	dm³	m³/h	cm²	cm²	kg	kg	kg	kg
1/2	6	118	221	272	352	100	154	200	5545	80	2,5	1,1	400	640	4	10	11	12
3/4	6	118	221	272	352	100	154	200	5545	80	2,5	2,5	400	640	4	10	11	12
1	6	118	221	272	352	100	154	200	5545	80	2,5	4,5	400	640	4	10	11	12
1 1/4	6	118	221	272	352	100	154	200	5545	80	2,5	7,1	400	640	4	10	11	12
1 1/2	6	118	221	272	352	100	154	200	5545	80	2,5	10	400	640	4	10	11	12
2	6	118	221	272	352	100	154	200	5545	80	2,5	18	400	640	4	10	11	12

The throughputs go for an inlet speed of 2.5 m/s in pressure lines. For suction lines we would recommend half the flow rate.