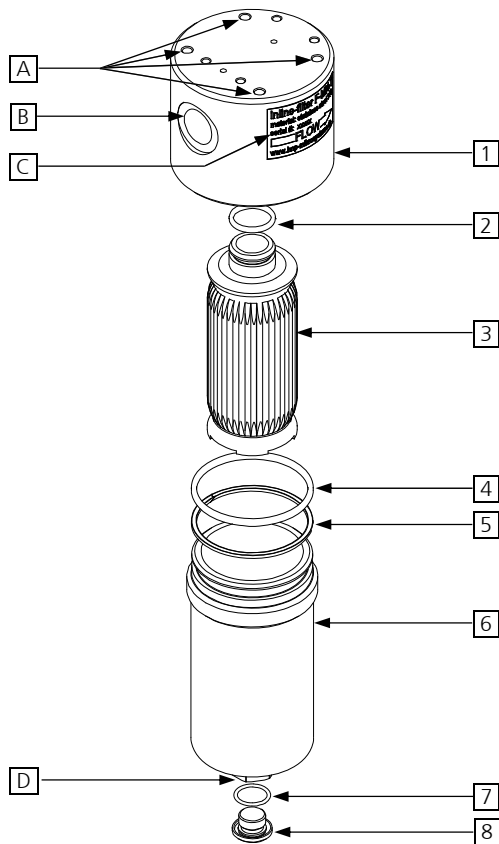


Quick guide inline filter F-MI4-T



Technical Data

Dimensions	Value	Pressures	Value
Filter area	400 cm ²	Operating pressure	max. 40 bar (580 psi)
Dimensions (Ø x H)	Ø 80 x 173 mm	Differential pressure	max. 20 bar (290 psi)
Total volume	200 ml		

Items and descriptions

Pos.-Nr.	Description	Material
1	Filter head	1.4404
2	O-ring Ø18,3 x 2,4	refer to Table "Sealing materials..." below
3	Filter element (mesh sizes)	1.4401, 1.4404, 1.4571 (10, 25 µm)
4	O-ring Ø54 x 3	refer to Table "Sealing materials..." below
5	Support ring for O-ring Ø54 x 3	PTFE
6	Filter housing	1.4404
7	O-ring Ø15,1 x 1,6	refer to Table "Sealing materials..." below
8	Drain plug G 1/4"	1.4404
A	Mounting holes M6	
B	Fluidic connection G 1/2" (only inlet port shown)	
C	Label with specifications and flow direction	
D	Hexagon bolt AF 21	

Sealing materials and operating temperature ranges

Sealing material	Description manufacturer	Temperature range
FPM	Vi650	-10...+200 °C (14...392 °F)
EPDM (FDA)	AP310	-40...+140 °C (-40...284 °F)
FFPM	Kalrez® Spectrum™ 6375	-20...+275 °C (-4...527 °F)
FFPM (FDA)	Kalrez® 6221	-20...+260 °C (-4...500 °F)

⚠ Safety instructions

All of the following tasks must be carried out only by professional and qualified personnel.

The filter must be operated within its specifications. Misuse and damaging of the filter are forbidden.

Only original-spare parts must be used.

Installation/Assembly

- The filter should be placed in front of the component to be protected (i.e. pump)
- Use the fastening bores [A] to mount the filter in the system – the filter housing [6] must point downwards
- ⚠ **Attention!** Fastening the filter only by the fluidic connections [B] is not allowed!
- Ensure a strainless connection of the system tubing to the fluidic connections [B]
- ⓘ *Instead of the drain plug [8] you can also connect a drain line to the G 1/4"-thread.*

Commissioning

- Ensure liquid supply
- Switch system off

Decommissioning

- Ensure the system is shut down, depressurized and eventually cooled down
- Interrupt the liquid feed

Exchange of filter element

- Required tools / assistive equipment: thread lubricant, Allen wrench size AF 5, screw-wrench AF 21
- Decommissioning (see above)
- Unscrew drain plug [8] carefully with Allen wrench AF 5 out of filter housing [6]. If necessary, hold filter housing [6] at the hexagon bolt AF 21 [D] with the screw-wrench
- Contain drain plug [8] and rests of liquid
- ⚠ **Attention!** The drain plug comes with an O-ring [7].
- With the screw-wrench AF 21 unscrew filter housing [6] at the hexagon bolt [D] out of the filter head [1]
- Remove filter element [3] from filter head [1] by pulling and simultaneously turning and shaking lightly
- Clean all parts and inspect for damage (especially seals [2] [4] [7] and threads) – replace components if necessary
- If a new support ring [5] is required, this is to use pointing (for opening) before the O-ring [4] with the concave side of the O-ring and upwards.
- Eventually attach O-ring [2] on the new or cleaned filter element [3].
- Moisten O-ring [2] with the fluid to be handled and carefully introduce by hand the filter element [3] while wiggling into the filter head [1] until limit stop.
- Insert the drain plug [8] including O-ring [7] into the filter housing [6] and fasten it hand-tight with the Allen wrench AF 5
- Apply thread lubricant on the thread of the filter housing [6] and carefully screw it into the filter head [1]
- ⓘ *For a faster commissioning, the filter housing [6] can be filled in advance with liquid to about 2/3.*
- Screw the filter housing [6] with a screw-wrench AF 21 by the hexagon bolt [D] until limit stop, then unfasten 1/4 of a turn
- Perform pressure test and make a visual inspection of all sealing points
- Commissioning (see above)

Contact

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