

Metal Edge Filter

with radial cleaning device

AF 71 L

Lightweight version

for liquids, etc.

Connection size: G 1/2

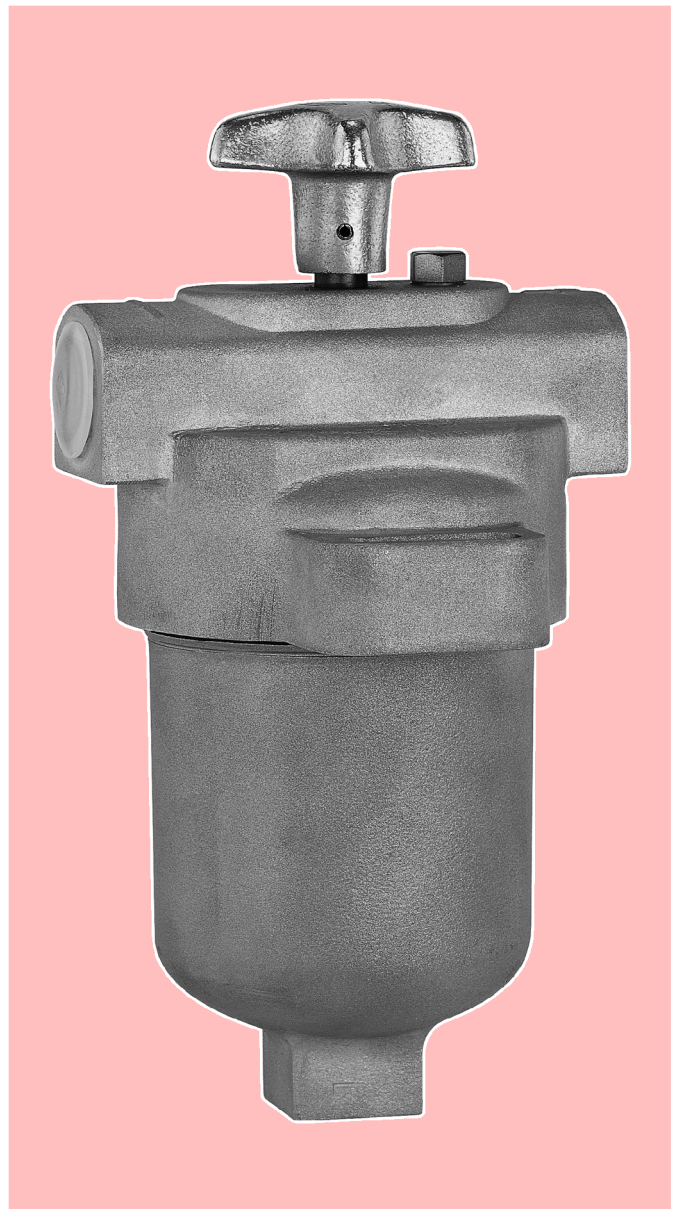
1. Principle of operation

The **MAHLE metal edge filter system** is used for filtering and homogenising a wide range of liquids, pastes and such like. This compact in-line pressure filter requires no waste disposal such as used filter material. It can be cleaned manually or automatically without having to interrupt process operations.

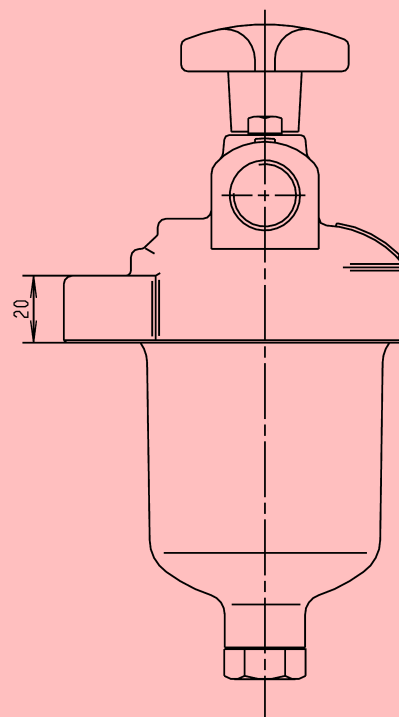
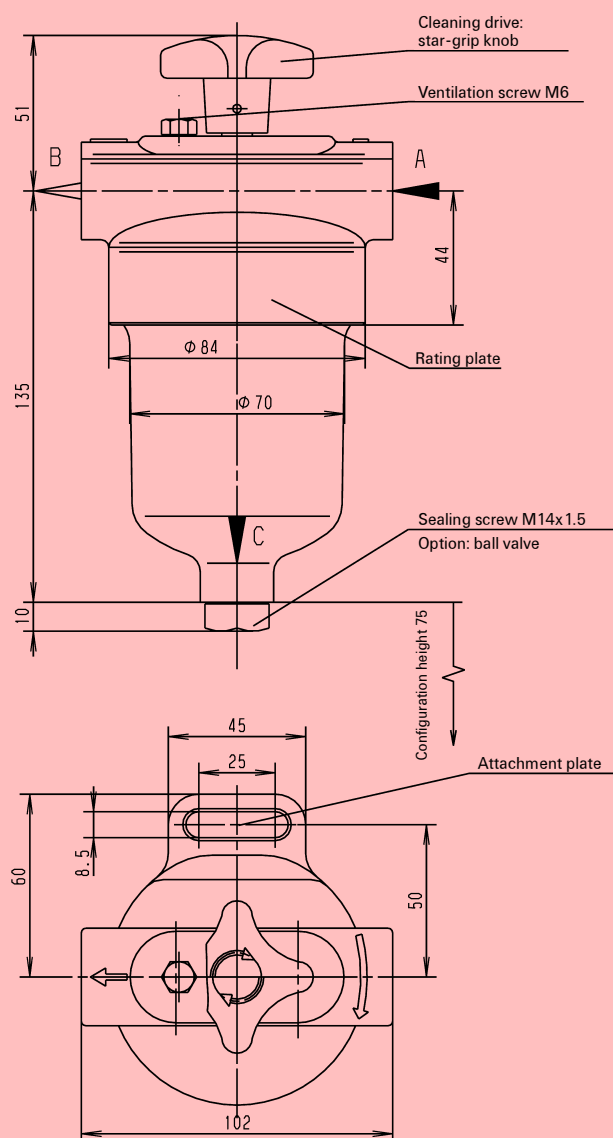
The liquid flows from the outside inwards through the **MAHLE filter cartridge**. The filtrate is discharged at the top, opposite the inlet connection. Solid matter, etc. is separated on the triangular-profiled wire winding on the filter cartridge.

The MAHLE filter cartridge is cleaned by rotating it against a fixed scraper blade. The special profile of the wire winding ensures a very effective cleaning process. The **patented AKF system** prevents high axial forces, ensuring that the cleaning process is trouble free.

The residue deposited in the collection cone can then be emptied through the drain valve while the system is switched off or while it is in operation.



2. Dimensions and data



Operating pressure: 40/25 bar
 Operating temperature: 100/180 °C
 Differential pressure strength: max. 40 bar
 A-B/In-flow drain connection: screw-in hole G1/2
 C/Drain connection: screw-in hole M14 x 1,5

	Standard material
Filter head and bowl	Al Si 10 Mg wa
Installed parts	Al, Cu Zn, galvanised steel
Seals	FPM (Viton)

Hold-up volume: 0,25 l
 Weight: 1 kg

Other finishes available on request
 Subject to technical modifications!

3. Type designation / filter areas

Designation for filter without cartridge	Designation and selection of cartridges	Gap width µm	Open gap area cm ²	Total filter area cm ²
AF 7101-1741-00000/L1	AF 7010-003	30	4,2	73,9
	AF 7010-004	40	5,5	
	AF 7010-005	50	6,7	
	AF 7010-006	60	7,9	
	AF 7010-008	80	10,2	
	AF 7010-010	100	12,3	
	AF 7010-013	130	15,2	
	AF 7010-016	160	17,9	
	AF 7010-020	200	21,1	
	AF 7010-025	250	24,6	
	AF 7010-036	360	30,9	
	AF 7010-050	500	36,9	
	AF 7010-100	1000	49,3	
	AF 7010-150	1500	55,4	
	AF 7010-200	2000	59,1	