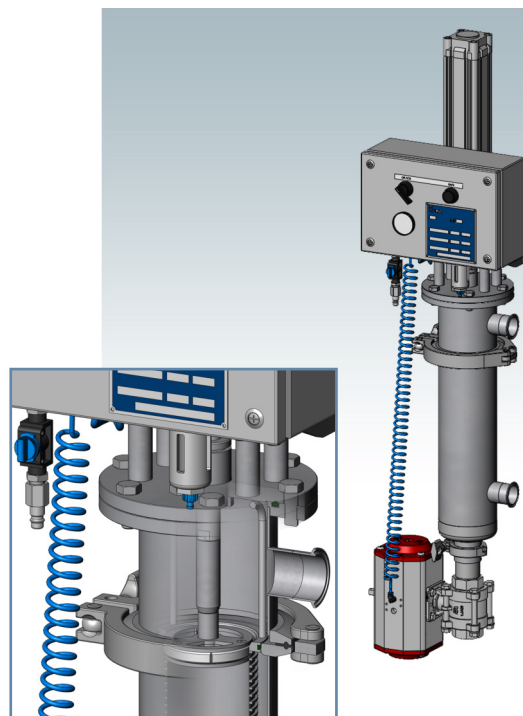


Type FMC-FB-03

Pneum. self-cleaning wedge wire filter

The pneumatic self-cleaning filters of the FMC-FB-03 consist of an upper and a lower part. The inlet and outlet are located on the lower part of the edge-split filter. The drive of the filter takes place by a pneumatic control unit, which allows continuous cleaning, as well as a manually controlled drain of a button. The resulting debris are collected in the lower part of the housing and can be drained at intervals. Optionally, the drain can be fitted with a timer, which ensures a drain interval. The cleaning of the wedge wire element occurs by to itself vertically, even pressing, moving scraper ring. Default are supplied a height-adjustable legs, a compressed air maintenance unit with pressure reducer and a tool for assembling and disassembling of the wedge wire element.

In addition there are two connections for differential pressure gauge. Optionally, the system is also available with EX approval.



TECHNICAL DATA

FMC-FB-03

Flow rate	3.8 m ³ /h* ¹
Material filter housing	1.4301
Material wedge wire element	1.4301
Inlet and outlet (N1/N2)	TC40 (DIN 32676-DIN)
Vent (N3)	Rp 1/4
Drain (N4)	Rp 1 1/2
Optional with diff. pressure	Rp 1/4
Gasket	O-ring FPM* ²
Scraper	PTFE
Max. operating pressure	10 bar
Max. operating temperature	-10/+80°C
Volume	4.5 l
Weight	14.5 kg
Air supply	4-6 bar
Air connection	KS-4
Protective system	optional with EX approval

*¹ with water and 100 µm

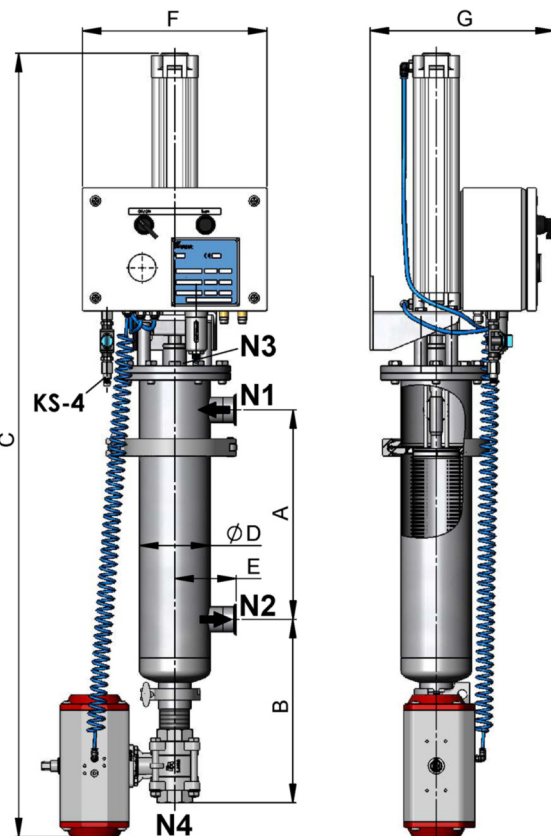
*² other sealing materials on request

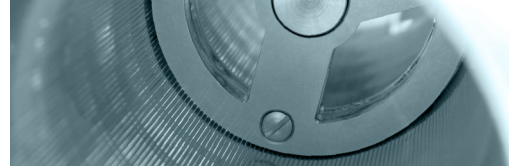
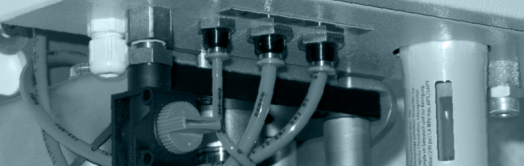
DIMENSIONS

Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)
FMC-FB-03	341	~300	1275±10	114.3	100	300±5	300±10

Subject to technical alterations.
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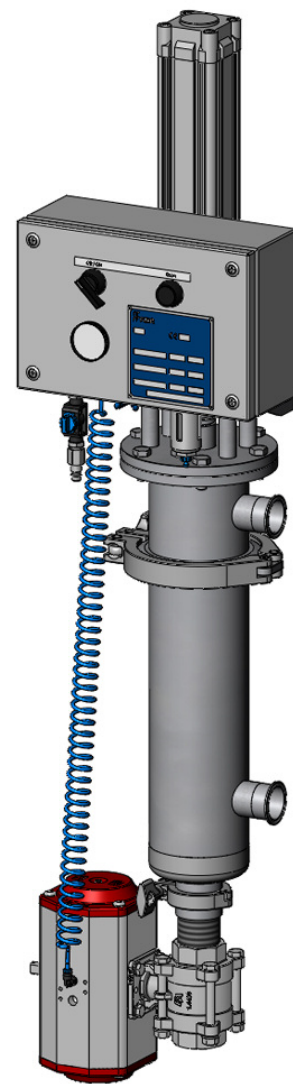


CHARACTERISTICS

- No disposal problems
- Self-cleaning without interruption
- Quick and easy cleaning due to the completely removable filter insert, less clearance volume
- Low operating costs due to long lifetime
- Robust and easy to use two-piece housing
- Easy and time-saving maintenance micron ratings from 50 microns
- On request with TÜV approval, explosion protection, special materials, etc.

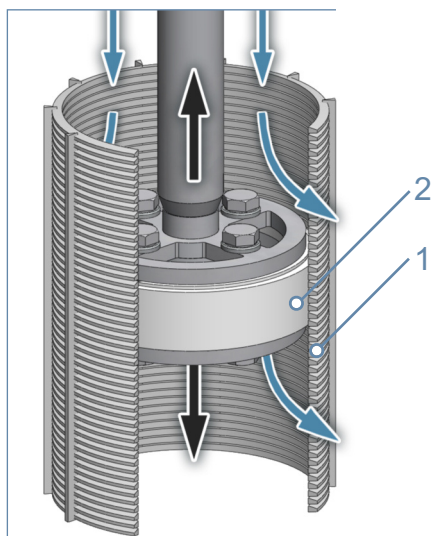
APPLICATIONS

- Paints and varnish
- Emulsion paints
- Inks
- Underbody protection
- Adhesives
- Bitumen products
- Solvents
- Gear oil, rolling oil
- Emulsions
- Electrophoretic varnish
- Chocolate mass
- Flexibilizer
- Industrial wastewater
- Sewage sludge
- Food and beverage



FOR THE INTERPRETATION OF THE FILTER SIZE ARE THE FOLLOWING INFORMATION REQUIRED:

- Filter media
- Flow rate
- Micron rating
- Viscosity
- Operating pressure
- Operating temperature
- Solids content of the filtrate



CONSTRUCTION AND OPERATION OF THE FILTER

The filter systems are extremely stable and designed for robust applications. They exist basically of the following components: Two-part filter housing, wedge wire element element (1), scraper with cleaning ring (2) and control unit with piston rod cylinder and pneumatic drain valve. The filtration occurs through the wedge wire element from the inside outwardly and the solids are taken by a scraper, the filter element is cleaned by UP and DOWN movements. The solids are collected in the lower part of the filter housing and drained by the system pressure out by a ball valve. Optionally, the drain can be fitted with a timer, which ensures a drain interval. Blocking the filter element is practically impossible, because the columns increase trapezoid-shaped outwardly. The micron rating is determined by the gap width of the filter element. The filter element can be changed with the tools contained in the scope of supply.