

FTK FF 1-6P (Mobile)

Stainless Steel Filter System

Description

Automatic mobile side stream filtration machine for heating and cooling water circuits from approximately 200 kW up to 3 MW and more rated thermal power as well as industrial fluid circuits.

General operating data:

| | |
|------------------------|--------------------------------------------------------------------------------------------------------|
| Filter media: | Water in closed heating- and cooling circuits |
| Operating temperature: | Min. 1° C to Max. 95°C |
| Filter-flow rate: | Max. 8 m ³ /h |
| Connection voltage: | 1 x 230 v - 250 v, 50 Hz |
| Coating color: | Metal - Electropolished |
| Limit of supply: | a) Intake at filter pump = ball valve 1" female. b) Outlet at pressure tank = ball valve 1" female. |

The machine comes fully assembled and consists of the following components:

- Pos. 1: 1 Transport hand truck, aluminium/stainless steel**
Measures: length x width x height = approx. 400 x 970 x 400 mm.
Partially powder coated, for connection of filter-pump and pressure tank.
- Pos. 2: 1 Filter pump**
Horizontal bloc pump layout, motor and pump are a single unit.
Flow rate: up to 8 m³/h
pressure: up to 2.0 bar
Power consumption app. 0.5 Kw
Electrical protection: IP 54
- Pos. 3: Internal pipes and fittings**
Designed in DN25 between pump and filter pressure tank, DN8 for differential pressure pipes.
- Pos. 4: 1 Electric switchbox**
For automatic filter machine operation, signal setting for pump switch-off when maximum differential pressure is reached, mounted on the filter machine and electrically connected. Including 2,0m 230V cable.
Contacts for external control e.g. emergency shut-off are also available.
- Pos. 5: 1 Microfilter type FTK FF 1-6EM**
Housing and lid from stainless steel with a quick release system on top for easy maintenance.
With manual bleeding valve. Tank fits 1 pc. of FTK filter cartridge.
Maximum differential pressure in soiled filter: 1.5 bar.
Operating pressure: 6 bar max. (optional 16 bar available)
Filtration surface: 1 x 1.8 m² approx. = 1.8m²
starting fineness of filtration: 0.5 - 40 µm starting fineness, depending on the filter cartridge type
Filter cartridge: 1 set (1 pc.) filter cartridges type FTK FF-15 (15µm) included
- Pos. 6: 1 Differential pressure measuring unit type FTK 04**
With optical scale 0 – 2.0 bar, with membrane technology (pollution insensible), with reed contact, mounted on the filter, electrically connected. Reed contact pre-adjusted to 1.5 bar switch point.

Option: 1: Incl. potential free contact for external signal, external on/off, mounted on the filter machine and electrically connected. With adjustable intermittent operating time clock and power failure safeguard.

Option: 2: With heavy duty components (ss pump, heavy lid) for system pressure up to 16 bar (230 psi).
- Pos. 7: 1 Set (1 pc.) filter cartridges type FTK FF-15 (15µm)**
Further grades available, e. g. 0.5µm, 1µm, 5µm, 40µm, as well as stainless steel filter cartridges
- Pos. 8: 1 piece magnetite separator type FTK M250-25-40 Gen. II**
very high strength NeoDym magnets in stainless steel housings easy to retrieve and to clean.



FTK FF 1-6PM
(Option 1 Model)

