



Filter Technik Kausch

1 Piece Microfiltrationmachine Type FTK FF 1-6PM (mobile)(PN6)

Automatic mobile sidestream filtration-machine for heating- and coolingwatercircuits from approx. 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:	blanc 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 filtermachine operation, signal setting for pump switch-off when max. differential pressure is reached, mounted on the filtermachine and electrically connected. Including 2,0m connection cable 230V with standard German safety connector. Contacts for external control e.g. emergency shut-off 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. (optionally 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 filtermachine 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 finensses 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

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FTK FF 1-6PM
(Option 1 Model)