



## Filter Technik Kausch

### 1 Piece Microfiltrationmachine Type FTK FF 4-16P (stationary)(PN16)

Automatic stationary sidestream filtration-machine for heating- and coolingwatercircuits from app. 1 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. 10 m³/h
connection voltage:	1 x 230 V - 250 V, 50 Hz
coating color:	powder coated RAL 6011
limit of supply:	a) intake at filter-pump = pipe thread 1 ¼" female. b) outlet at pressure tank = pipe thread 1 ¼" male.

#### The machine comes fully assembled and consists of the following main parts/components:

##### Pos. 1: 1 skid/ground plate and pod

measures: length x width x height = approx. 560 x 420 x 250 mm.  
construction in steel, welded, for connection of filter-pump and filterbody (pressure tank).

##### Pos. 2: 1 filter pump stainless steel

horizontal bloc pump layout, motor and pump are a single unit.  
flow rate: up to 10 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, potential free contact for external signal, mounted on the filtermachine and electrically connected. With adjustable intermittent operating time clock and power failure safeguard. 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 4-16

Housing and lid from regular steel with flange lid for easy maintenance. With manual bleeding valve. Draining with ball valve DN ½". Manifold to fit 4 pcs. of FTK filter cartridges. Maximum allowable decrease of pressure in soiled filter: 1,5 bar.  
operating pressure: 16 bar max.  
filtration surface: 4 x 1,8 m² approx. = 7,2m²  
starting fineness of filtration: 0,5 - 40 µm starting fineness, depending on the filter cartridge type  
filter cartridge: 1 set (4 pcs.) filter cartridges type FTK FF-15 (15µm) included

##### Pos. 6: 1 differential pressure measuring unit type FTK 03

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.

##### Pos. 7: 1 set (4 pcs.) filter cartridges type FTK FF-15 (15µm), further finensses available, e. g. 0,5µm, 1µm, 5µm, 40µm, as well as stainles steel filter cartridges

##### Pos. 8: 1 piece magnetite separator type FTK M500-25-40

very high strength NeoDym magnets in stainless steel housings easy to retrieve and to clean

##### Pos. 9: floor decoupling mounting kit for FTK stationary filter machines

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