



FT...H2

Electrically heated universal filter series FT®

Version FT-...-H2, heated at 180 °C

Special Features

- Electrically heated, max. 180 °C
- Consequent connection technique
- No cold spots
- Incorporated thermostat
- Status alarm
- Easy maintenance

Application

The M&C electrically heated universal filter reliably separates off solids, in particular extremely fine particles, occurring in analysis techniques in gas filtration, using very fine, deep-acting filter elements. It is constructed especially for hot gas analysis technique at 180 °C.

Description

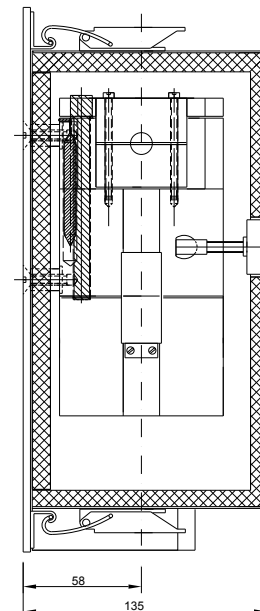
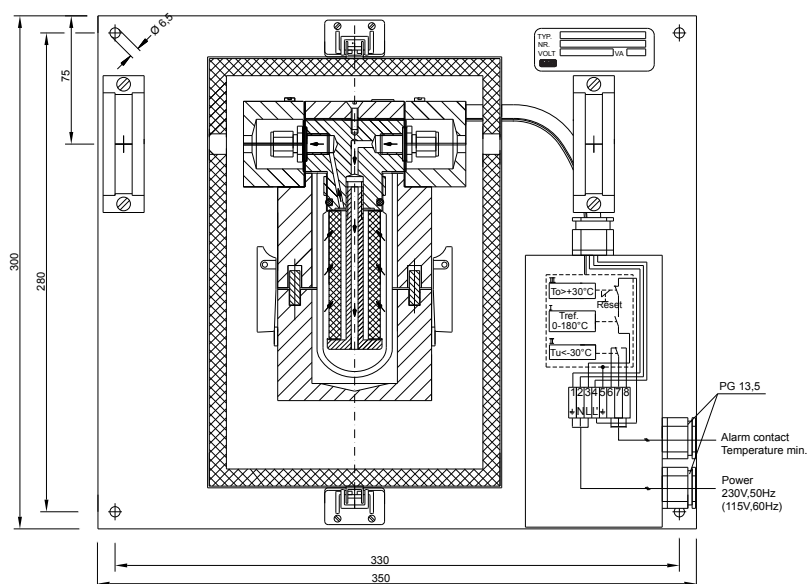
The universal filter out of PTFE with integrated filter elements (fineness 3 or 0,1 µm) is placed in an electrically heated 2-part aluminium oven construction.

The temperature is controlled by an integrated compact capillary sensor thermostat with an excess temperature limit switch with reset key at +30 °C above T_{SET} and an alarm function for low temperature alarm at -30 °C below T_{Set} with voltage free status-alarm contact.

The thermostat as well as the electrical terminals are placed in the junction box.

The temperature of the filter is shown on a thermometer. For isolation and protection reasons, the heated filter part is covered with a cap. To prevent heating interruptions, the in- and outlet connection area is heated too. The clamps are fixed in order to support the sample lines. The filter in- and outlet can be turned 180° on the oven top position to achieve easy mounting and flexible adaptation to local circumstances.

Dimensions



Dimensions in mm

Technical Data

Filter series FT*	FT-3G-H2	FT-3SS-H2	FT-0,1GF-H2	Option 115V version
Part number	01 F 3006	01 F 3008	01 F 3007	01 F 300. -a
Filter finess / material of filter element	3 µm / glass	3 µm / stainless steel	0,1 µm / glassfibre	
Max. pressure	4 bar g			
Sample temperature max.	180 °C (M&C-Filters to max. 350 °C on request)			
Ambient temperature max.	50 °C			
Stagnant space	65 cm ³			
Filter surface	70 cm ²			
Power supply	230/240V 50Hz, 350VA			115V 60Hz
Electrical connection	2,5 mm ² terminals, 2x PG13 cable glands			
Protection classification / electrical standard	IP 44-EN60529 / EN61010, EN 60519-1			
Regulation of temperature	thermostat # PT100 as option #			
Temperature adjustment	0-180 °C, (180 °C set in the factory)			
Temperature alarm contact	Alarm point: ΔT 30 °C at T _{soil,r} , contact rating: 250V, 3A*, 0,25A =			
Dimension	350 x 300 x 140 mm (w x h x d)			
Weight	6 kg			
Method of mounting	wall mounting			
Sample connections	G1/4" i DIN ISO 228/1			
Material of sample contacting parts	PTFE, glass, FPM			

Differential pressure in mbar with clean filter elements

