



FSS-.../H350

- Electrically heated, max. 350 °C
- Large filter surface
- Consequent connection technique
- No cold spots
- Incorporated thermostat
- Status alarm
- Easy maintenance

Application

The electrically heated **M&C** filter type **FSS./H350** separates fine particles out of the sample gas at operating temperatures up to 350 °C. For an efficient filtration very fine filter elements with high deep action are used.

Description

The **M&C** filter **FSS./H350** is mounted thermally isolated on a plate.

The stainless steel filter body with integrated filter element, alternatively of ceramic, stainless steel or special spun glass, is completely covered by a heated metal enclosure. The high capacity heating element is controlled by an incorporated compact capillary sensor thermostat in a temperature range of +50 °C to 350 °C.

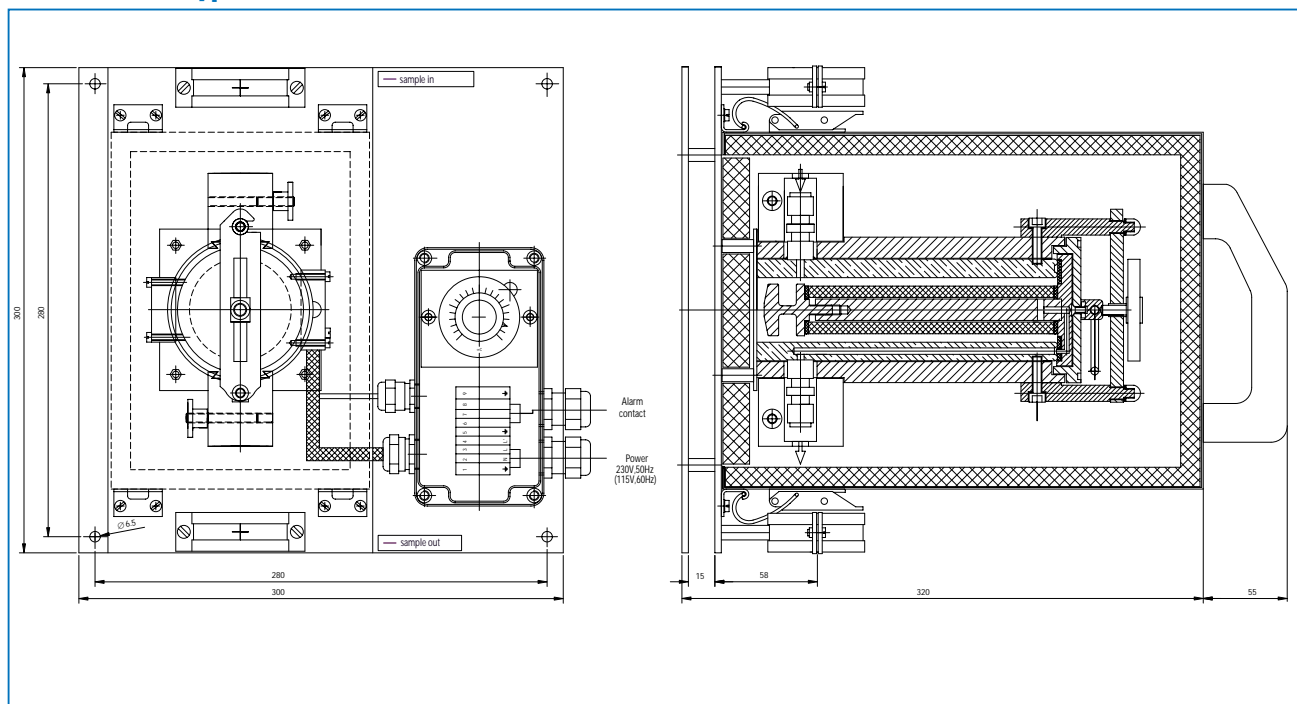
The thermostat is equipped with an temperature limiter switch with reset key, releasing at 30 °C above set-temperature, and a voltage-free low temperature alarm contact at 30 °C below set-temperature. In order to avoid cold spots, the welded connecting fittings are heated up with the filter by means of two conducting jaws. Outside the lagged cap a junction box is mounted which contains the thermostat as well as the terminals for electrical connection. Two brackets fix the heated lines.

– See data sheet 2-6.1.–

The complete conception guarantees a safe operation and a simple maintenance. No tools are needed for replacing the filter element, during the heated sample lines remain in their position.

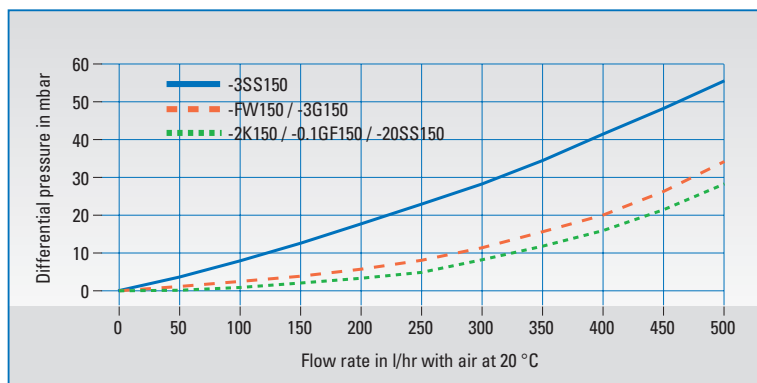
Dimensions

Heated Filter Type FSS-.../H350



Dimensions in mm.

Differential pressure in mbar with clean filter element



The differential pressure data of filter element -FW150 are average values depending on the variable fill factor.

Technical Data

Heated filter type	FSS-2K/H350	FSS-3SS/H350	FSS-FW/H350	Version 115V AC
Part-No.	01F3035	01F3030	01F3045	01F30..-a
Filter element length 150 mm, material	ceramic	stainless steel SS316	spun glass	
Filter porosity	2 µm	3 µm		
Filter surface	140 cm ²			
Operating pressure max.	5 bar g			
Ambient temperature / storage temperature	-20 °C to +60 °C			
Dead volume	130 cm ³			
Gas connections	Swagelok tube connector ø6 mm, optional ø1/4"			
Temperature controller	incorporated capillary sensor thermostat, with temperature limiter switch and low temperature alarm contact adjustable from +50 °C to 350 °C, set in factory 250 °C			
Operating temperature	alarm point at -30 °C below T _{Set}			
Temperature alarm contact	change over contact, voltage free, contact rating 250V, 3A - 0,25A =			
Power supply	230V 50Hz, 630VA			115V 60Hz
Electrical connections	Terminals 4 mm ² , 2x cable glands PG13			
Method of mounting	Wall mounting			
Protection classification/electrical standard	IP 54 EN60529 / EN61010, EN60519-1			
Dimensions / Weight	250 x 300 x 300 mm (w x h x d) / 11 kg			
Material of sample contacting parts	filter chamber: stainless steel 316Ti / sealing: graphite			