



FILTER MEDIA FHT-SERIES

- **COARSE FILTER BARRIER** for high temperature curing ovens to prevent fouling of product surface
- Self-extinguishing according to **DIN 53438-F1**
- **100% SYNTHETIC**

DESCRIPTION

High temperature air filter media designed for filtration of recirculation air in drying booths or drying ovens applied in surface treatment systems. Filtrair FHT-100 high temperature media is a synthetic thermally bonded filter media and is designed to withstand a maximum allowable operating temperature of 180°C.

Filtrair FHT-200 synthetic high temperature media is constructed from temperature resistance high performance fibers, sprayed with an acrylic high temperature binder and designed to be able to withstand a maximum allowable operating temperature of 240°C.

The FHT-SERIES are designed to separate tar, soot and rust particles out of hot air from high temperature curing ovens to prevent fouling of product surface. The FHT-SERIES are excellently suited for application in paint finishing curing ovens of all kind as well as air handling systems processing hot air flows between 100° and 240°C.

The FHT-SERIES are made of non-allergic synthetic fibers that are flexible and not prone to breakage like glass fibers usually are. Therefore no fiber fly off is evident from these synthetic fiber medias. They are easy to handle without skin irritation.

The FHT-SERIES are designed to be able to operate at constant high temperatures up to 180°C (FHT-100) and 240°C (FHT-200).

The FHT-SERIES are constructed to suit different arrestance and pressure drop levels at two different filtration classes.

PERFORMANCE PARTICULARS (FHT-200 G4)

- **FHT-200, WHEN EXPOSED TO TEMPERATURES ABOVE 180°C, DO SLIGHTLY DISCOLOR** from light/yellow into toasty brown.
- The discoloration of the **FHT-200 DOES NOT AFFECT THE INTEGRITY OR FILTRATION PERFORMANCE** of the filter media.
- Filter life depends on **CONDITIONS OF USE**, and **TYPE OF CONTAMINATION PRESENTED**.

FILTER MEDIA FHT-SERIES

TECHNICAL DATA

Product	UNIT	FHT-200	FHT-100
Rated air flow	m ³ /h/m ²	3600	3600
Air velocity	m/s	1	1
Initial pressure drop	Pa	41	26
Final pressure drop	Pa	250	250
Filter class per EN779:2012	-	G4	G3
Average Arrestance	%	91	89
Dust holding capacity (Ashrae dust) 250 Pa	g/m ²	525	475

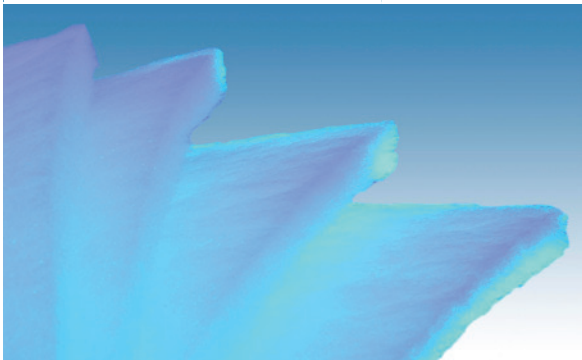
ISO 16890 TECHNICAL DATA

Product	Unit	FHT-200	FHT-100
		ISO coarse	ISO coarse
		65%	60%
Initial gravimetric Arrestance	%	66	63

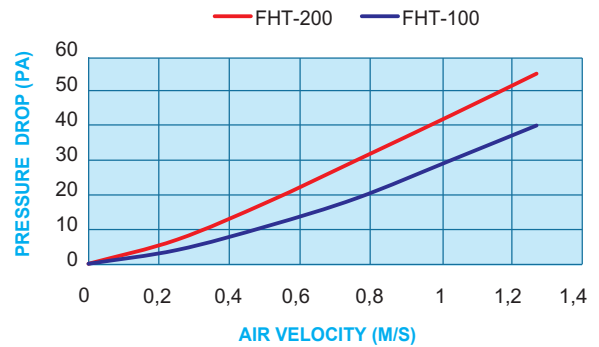
APPLICATION PARAMETERS

Product	Unit	FHT-200	FHT-100
Max. operating temperature	°C	240	180
Nominal thickness	mm	20	10
Relative humidity	%	100	100
Regenerable/washable	-	no	no
Roll sizes standard		1x20 m 2x20 m	1x40 m 2x40 m

PRE AND COARSE FILTRATION BARRIER

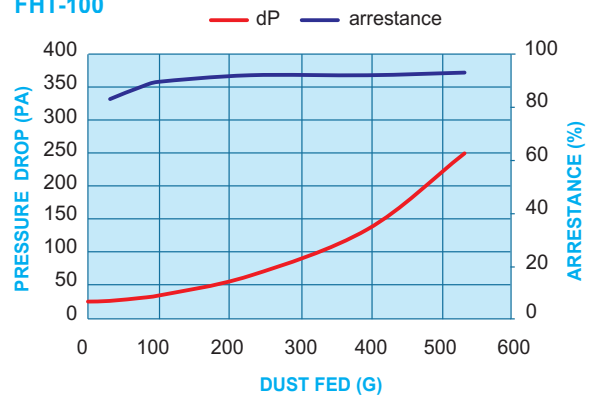


PRESSURE DROP vs AIR FLOW RATE



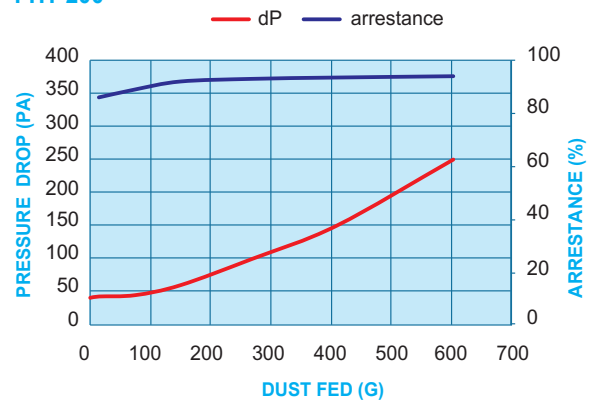
DUSTLOADING vs PRESURE DROP vs ARRESTANCE

FHT-100



DUSTLOADING vs PRESURE DROP vs ARRESTANCE

FHT-200



All data are average indicative values with usual manufacturing and testing tolerances. We reserve the right to modify performance data without prior notice. Specific performance data will require our written confirmation. Filtrair® is the registered trade mark of Filtrair bv.

