



FILTER MEDIA

C3-300 (M5)

- **FINE FILTRATION BARRIER** to air handling units
- UL class 2 and self-extinguishing according to **DIN 53438-F1**
- 100% Synthetic

DESCRIPTION

Air filter medium designed for fine filtration of the air intake in general ventilation and air handling systems where a higher degree of cleanliness is required. Very effective when applied as pre filter in a multi stage filter bank, as well as diffusion ceiling filter in industrial paint booths.

Filtrair designs and manufactures its own synthetic filter media. C3-300 is thermally bonded, additional stiffened and manufactured with a progressive multi-layering technique to ensure high dust holding capacity with lowest pressure drop and is therefore extremely cost effective with a long filter life. The clean air side is smoothed and imprinted for easy identification to ensure the correct installation in pad, roll or pocket format. The C3-300 is also a very suitable media for construction of extended surface filter products, such as panel-, pleated- or pocket filters.

FLAMMABILITY RATINGS

Filtrair C3-300 conform to German fire classification standards (DIN 53438-F1) and are self extinguishing. They are resistant to evaporated solvents and are produced in a 100% silicone-free environment

FEATURES AND BENEFITS

Filtrair C3-300 is specially designed to be used as:

- **FINE FILTRATION** in air handling units
- **FIRST STAGE FILTRATION** in clean rooms
- **MEDICAL FACILITIES, HOSPITALS AND LABORATORIES**
- **PHARMACEUTICAL AND FOOD PROCESSING PLANTS**
- **PROTECTION OF SENSITIVE EQUIPMENT AND PROCESSES** in industrial plants
- **CEILING MEDIA** in industrial paint booths

FILTER MEDIA C3-300 (M5)

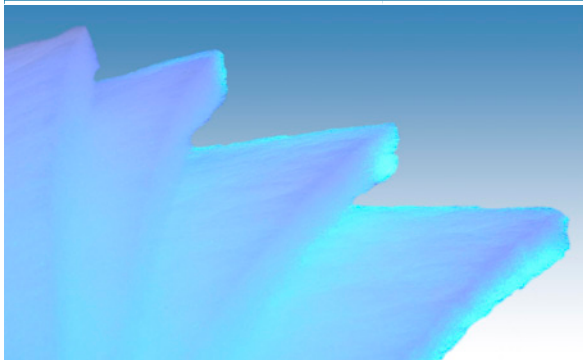
TECHNICAL DATA

Product	Unit	C3-300
Rated air flow	cfm	530
Air velocity	fpm	49
Initial pressure drop	"WG	0.06
Final pressure drop	"WG	1.81
Filter class per EN779:2012	-	M5
Average Arrestance	%	97
Average Efficiency (@0,4 µm)	%	52
Dust holding capacity (Ashrae dust) 450 Pa	oz/ft ²	130
Filtrair migration class		R3

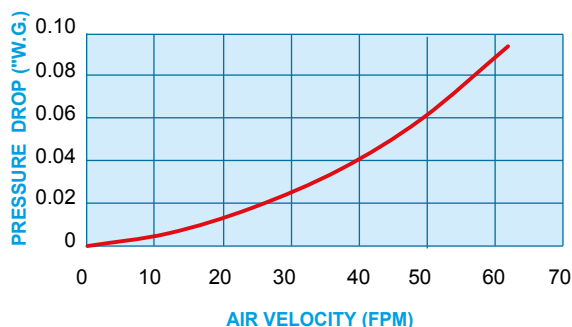
APPLICATION PARAMETERS

Product	Unit	C3-300
Temperature resistance, constant	°F	≤ 210
Temperature resistance, short peaks	°F	< 248
Nominal thickness	inch	0.71
Relative humidity	%	100
Regenerable/washable	-	no
Roll sizes standaard		40" x 67'
		80" x 67'

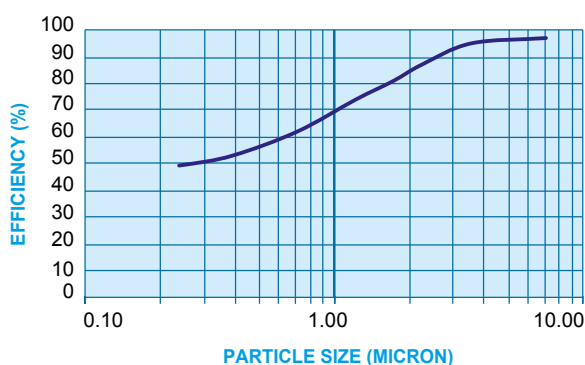
FINE FILTRATION BARRIER



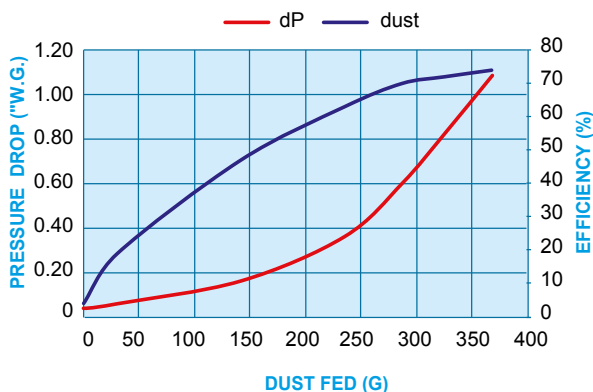
PRESSURE DROP vs AIR FLOW RATE



PARTICLE SIZE EFFICIENCY



DUSTLOADING vs PRESURE DROP vs EFFICIENCY



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.

Filtration Group

Process Technologies Division

ISO 9001 Registered Company



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