



FILTER MEDIA

C3-300

- **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

TECHNICAL DATA

Product	Unit	C3-300
Air velocity	m/s	0,6
Initial pressure drop	Pa	56
Final pressure drop	Pa	450
Filter class per EN779:2012	-	M5
Average Arrestance	%	97
Average Efficiency (@0,4 µm)@0,25 m/s	%	52
Dust holding capacity (Ashrae dust) 450 Pa	g/m ²	350
Filtrair migration class		R3

ISO 16890 TECHNICAL DATA

Product	Unit	C3-300
Class To ISO 16890 @ 0,6 m/s		ePM10 50%
ISO ePM _{1,0}	%	1
ISO ePM _{2,5}	%	12
ISO ePM ₁₀	%	52

APPLICATION PARAMETERS

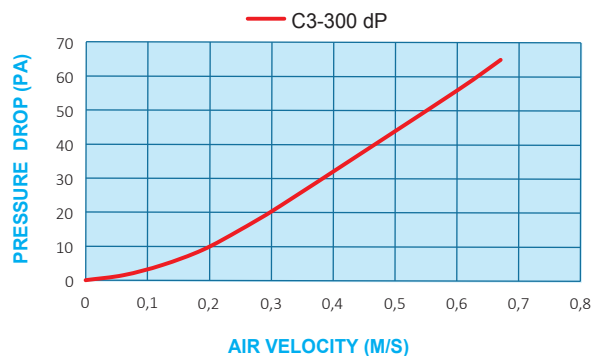
Product	Unit	C3-300
Temperature resistance, constant	°C	≤ 100
Temperature resistance, short peaks	°C	< 120
Nominal thickness	mm	18
Relative humidity	%	100
Regenerable/washable	-	no
Roll sizes standaard		1m x 20 m 2m x 20 m

FINE FILTRATION BARRIER

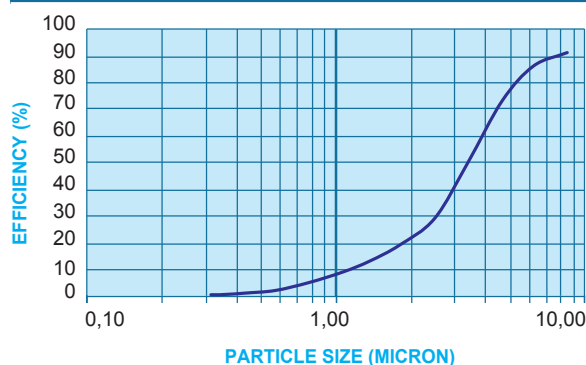


PRESSURE DROP vs AIR FLOW RATE

C3-300 DP CURVE



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.



Filtrair®
Filtration Group®

ISO 9001 Registered Company

Filtrair B.V.

De Werf 16
8447 GE Heerenveen
The Netherlands
P. +31 (0) 513 - 626 355
E. marketing-filtrair@filtrationgroup.com
www.filtrair.com