



Cleaner applications

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. The Cleaner combines a high dust holding with a relatively low pressure drop and is therefore extremely cost effective with a long filter life.

Media

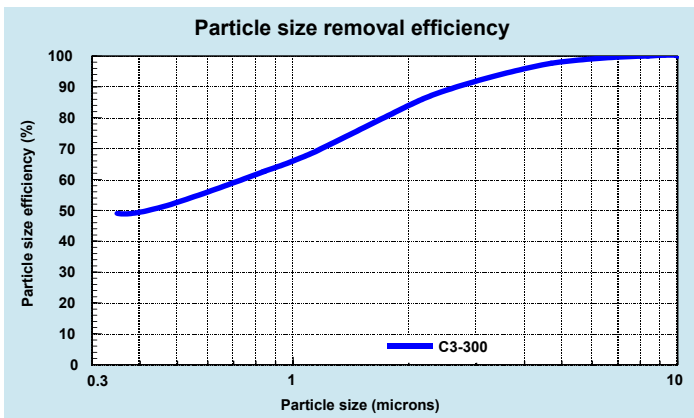
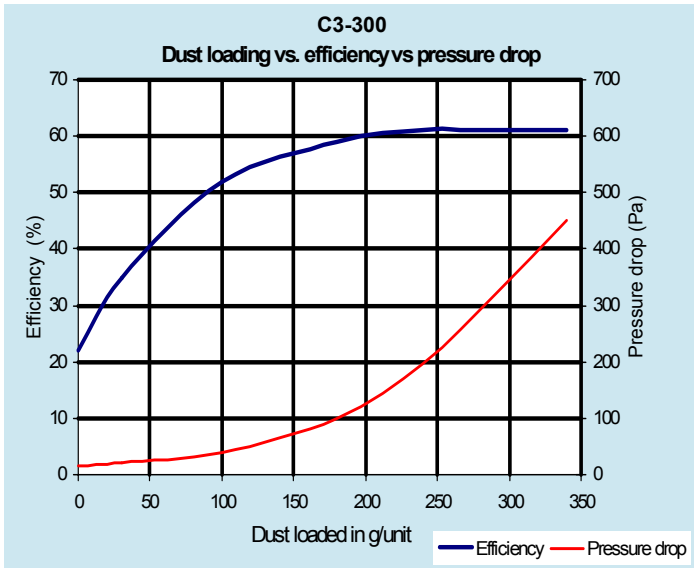
Synthetic fiber-based filter mat developed and manufactured at Filtrair's own high-tech media plant. The filter medium is constructed from selected high performance, non-breakable fibers in a progressive density multi-layering technique to ensure high depth loading with optimal lowest pressure drop performance, while achieving gravimetric arrestance and efficiency levels in accordance with EN 779 standard ratings. The C3-300 is thermally bonded and stiffened to ensure high

dust holding. The clean air side is smoothed and imprinted for easy identification to ensure the correct installation in pad, roll or pocket format. This is also a very suitable medium for the construction of extended surface filter products, such as panel-, pleated- or pocket filters.

The Filtrair Cleaner conforms to all European Union and U.S. fire classification standards (e.g. DIN 53438-F1 and UL 900-class 1) and is self-extinguishing.

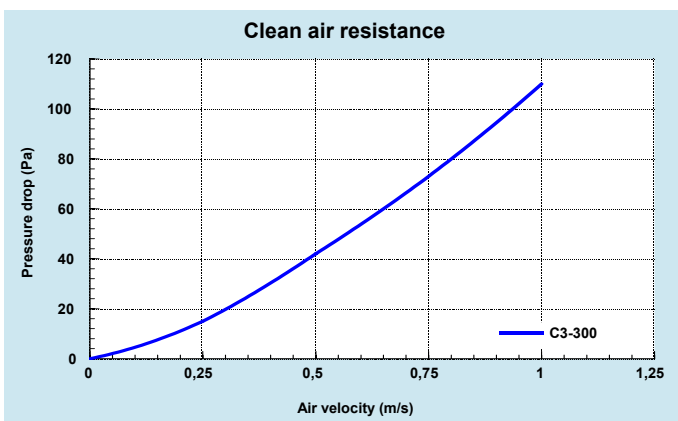
Constant quality is ensured by independent quality control testing according to EN-779 and the individual DIN logo and Filtrair registration number, which are imprinted on the medium, together with the F5 classification and the Filtrair logo and brand name.

Filtration technical performance characteristics (according to EN 779, ANSI/ASHRAE 52.1-1992)



Test conditions for Particle size removal efficiency (PSE):

- air flow rate : 900 m³/h/m²
- test aerosol : ambient air
- apparatus used: optical particle counter



Technical data "Cleaner"

"Cleaner"	C3-300
Avg. arrestance (acc. EN 779)	97%
Initial efficiency (dust spot)	22%
Average efficiency (dust spot)	51%
Air velocity	0.25 m/s
Rated air flow (m ³ /h/m ²)	900
Initial pressure drop	15 Pa
Final pressure drop	450 Pa
Dust holding at tested final	330 g/m ²
Filtrair migration class	R3
Class according to EN 779	F5

Temp. resistance, constant	up to 100°C
Temp. short peaks	up to 120°C
Nominal thickness	20 mm
Relative humidity	up to 100%
Roll sizes standard	2000 x 20 1000 x 20
Regenerable/washable	no

Application specialty

Uniquely suited for:

- fine filtration in air handling units
- pre filtration for clean benches
- first stage filtration in clean rooms
- medical facilities, hospitals and laboratories
- pharmaceutical and food processing plants
- electronic and telecommunications facilities
- protection of sensitive equipment and processes in industrial plants.

All data given are average indicative values with usual accepted tolerances due to manufacturing variations and inherent testing tolerances. All specific performance data will require our explicit written confirmation.

Filtrair® is the registered trade mark of Filtrair bv.



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