



Sweepers applications

Air filter media designed for pre- or coarse filtration of the air intake in general ventilation and air handling systems installed in public buildings, offices, factories and equipment of all kinds. Provides a balanced dust separation in situations where higher requirements must be met. The C15 series combines a high dust holding with a relatively low pressure drop and is therefore extremely cost effective with a long filter life.

Media

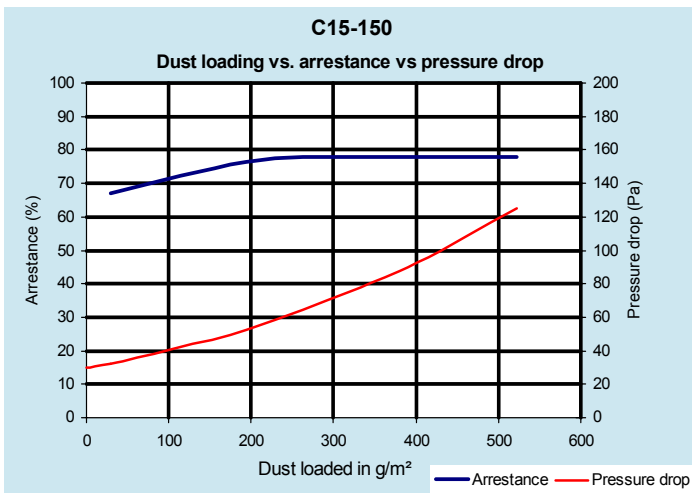
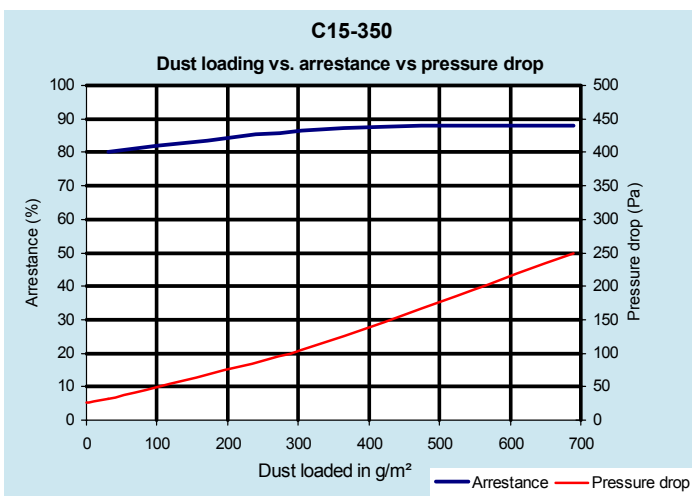
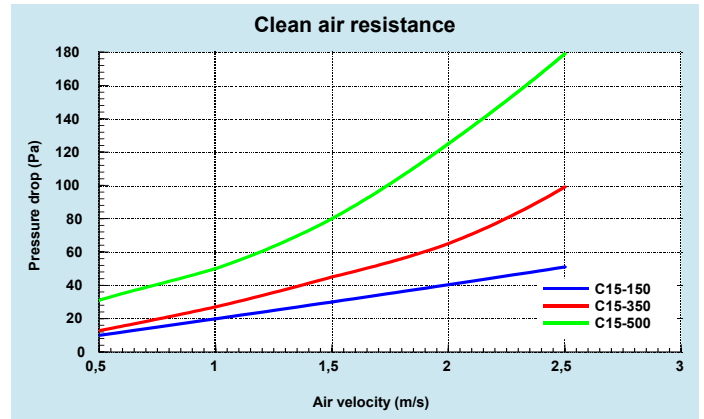
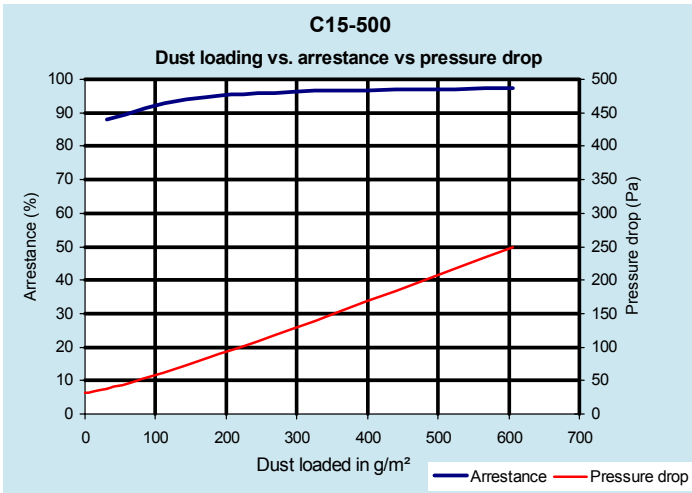
Synthetic fiber-based filter mats developed and manufactured at Filtrair's own high-tech media plant. The filter media are constructed from selected high performance, non-breakable fibers in a progressive density multi-layering technique to ensure high depth loading with optimal lowest pressure drop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

The C15 series is thermally bonded and stiffened to ensure integrity and high dust holding throughout its filter life. The media are constructed with fibers resistant to chemical influences such as solvents and acidic fumes and can be re-used several times after vacuuming or rinsing in lukewarm water. The clean air sides are smoothed and imprinted for easy identification to ensure the correct installation in pad, roll or pocket format.

The Filtrair Sweepers conform to all European Union and U.S. fire classification standards (e.g. DIN 53438-F1 and UL 900-class 1) and are 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 media, together with the respective G2, G3 and G4 classification and the Filtrair logo and brand name.

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



Technical data "Sweepers"

"Sweepers"	C15-500	C15-350	C15-150
Avg. arrestance (acc. EN 779)	94%	87%	76%
Initial efficiency (dust spot)	< 20%	< 20%	< 20%
Air velocity	1.0 m/s	1.5 m/s	2.0 m/s
Rated air flow m³/h/m²	3600	5400	7200
Initial pressure drop	31 Pa	27 Pa	30 Pa
Final pressure drop	250 Pa	250 Pa	125 Pa
Dust holding at tested final	570 g/m²	600 g/m²	400 g/m²
Class according to EN 779	G4	G3	G2

Temp. resistance, constant	up to 100°C	up to 100°C	up to 100°C
Temp. short peaks	up to 120°C	up to 120°C	up to 120°C
Nominal thickness	20 mm	20 mm	14 mm
Relative humidity	up to 100%	up to 100%	up to 100%
Roll sizes standard	2000 x 20	2000 x 20	2000 x 40
	1000 x 20	1000 x 20	1000 x 40
Regenerable/washable	yes	yes	yes

Application specialty

Uniquely suited for:

- general air handling units
- air conditioning systems
- ventilation systems of all kinds
- air intake of engine and compressor rooms on ships and drilling platforms
- window air conditioners
- home furnace air heaters
- railroad car ventilation
- pre-filtration in auto paint spray booths.

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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