



Regenerator applications

Air filter media designed for pre- or coarse filtration of the air intake in general air handling systems installed in heavy duty situations at industrial plants, engine rooms and refrigeration and compressor plants. Provides a balanced dust separation in situations where a high air volume and extreme conditions are a given and regeneration of the media is desirable.

Media

The CT15 series can be frequently washed yet combines a high dust holding with a relatively low pressure drop and is therefore extremely cost effective with a long filter life.

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

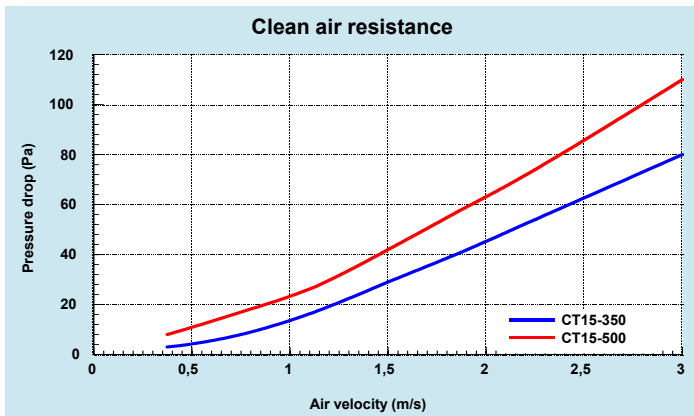
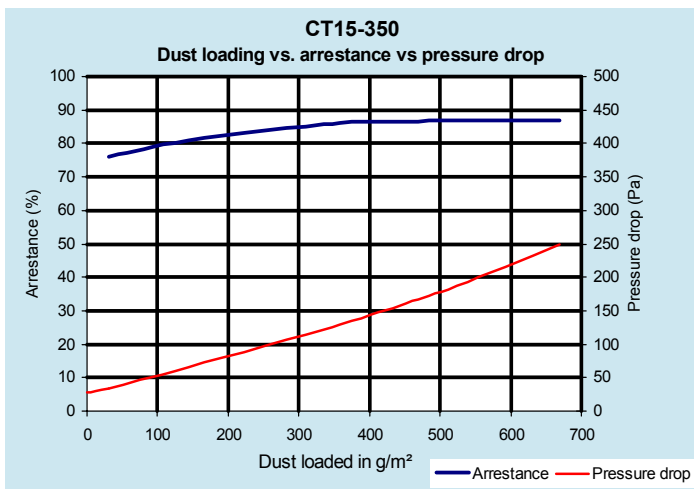
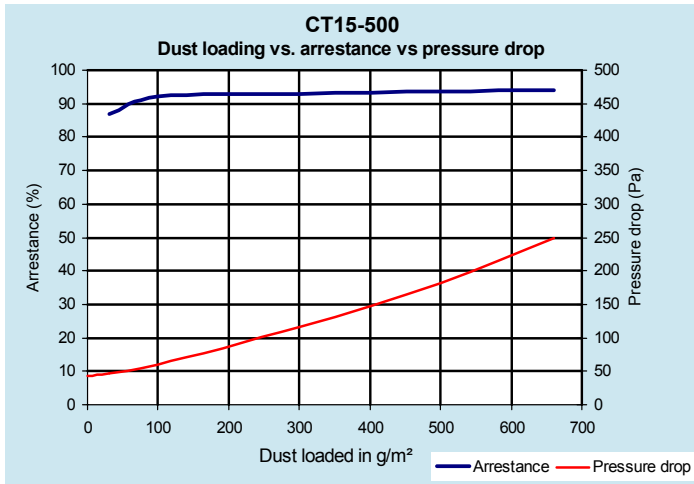
accordance with EN 779 standard ratings.

The CT15 series is immersion bonded and additionally stiffened to ensure extreme sturdiness and high dust holding. The media are constructed with fibers and binders that are resistant to chemical influences such as solvents and acidic fumes and resist compression under extreme conditions. Their rigidity allows the media to be re-used many times after washing and 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 Regenerators conform to all European Union and U.S. fire classification standards (e.g. DIN 53438-F1 and UL 900-class 2) 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 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 "Regenerators"

"Regenerators"	CT15-500	CT15-350
Avg. arrestance (acc. EN 779)	91%	85%
Initial efficiency (dust spot)	< 20%	< 20%
Air velocity	1.0 m/s	1.5 m/s
Rated air flow (m³/h/m²)	3600	5400
Initial pressure drop	43 Pa	29 Pa
Final pressure drop	250 Pa	250 Pa
Dust holding at tested final	600 g/m²	570 g/m²
Class according to EN 779	G4	G3

Temp. resistance, constant	up to 100°C	up to 100°C
Temp. short peaks	up to 120°C	up to 120°C
Nominal thickness	20 mm	16 mm
Relative humidity	up to 100%	up to 100%
Roll sizes standard	2000 x 20	2000 x 20
	1000 x 20	1000 x 20
Regenerable/washable	excellent	

Application specialty

Uniquely suited for:

- general air handling units for industrial plants
- refrigeration and compressor plants
- ventilation systems for extreme conditions
- air intake pre-filtration banks on off-shore rigs and ships' engine rooms
- first stage filtration in power generation plants
- intake and exhaust air systems for heavy industry and chemical 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.



Filtrair bv
De Werf 16, 8447 GE Heerenveen
P.O. Box 611, 8440 AP Heerenveen
The Netherlands

Tel. *31 (0) 513-626355
Fax *31 (0) 513-627306
E-mail: marketing@filtrair.com
www.filtrair.com

