



# FILTER MEDIA C15-SERIES

- **PRE AND COARSE FILTRATION BARRIER** to the air intake systems in general ventilation and air handling systems
- **UL CLASS 2** and self extinguishing according to **DIN 53438-F1**
- **100% SYNTHETIC**

## DESCRIPTION

Air filter medium 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.

C15-serie media is 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.

Filtrair designs and manufactures its own synthetic filter media. The C15-series are thermally bonded, additionally stiffened and manufactured with a progressive density multi-layering technique to ensure high dust holding capacity with lowest pressure drop and is therefore extremely cost effective with a long filter life. C15 filter media team up perfectly with Filtrair rigid pocket filters.

## FLAMMABILITY RATINGS

Filtrair C15-series 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 C15-series are specially designed to be used in

- **GENERAL AIR HANDLING UNITS**
- **THERMALLY BONDED AND STIFFENED** - not collapsing like glass pads
- **MAY BE REGENERATED** (vacuumed, washed)
- **CLEAN AIR SMOOTHED AND IMPRINTED FOR IDENTIFICATION AND CORRECT INSTALLATION**
- **LOW AIR FLOW RESISTANCE** - high dust holding capacity
- **EASY TO HANDLE AND TO INSTALL** - no skin irritation
- **C15-350/C15-500** - media may be disposed of by incineration
- **AVAILABLE IN EN779 FILTER CLASSES G2 (C15-150), G3 (C15-350) AND G4 (C15-500)**, in rolls

# FILTER MEDIA C15-SERIES

## TECHNICAL DATA

Product	Unit	C15-150	C15-350	C15-500
Rated air flow	m³/h/m²	5400	5400	3600
air velocity	m/s	1,5	1,5	1
Initial pressure drop	Pa	20	27	32
Final pressure drop	Pa	250	250	250
Filter class per EN779:2012	-	G2	G3	G4
Average Arrestance	%	79	87	94
Dust holding capacity (Ashrae dust) 250 Pa	g/m²	520	600	570

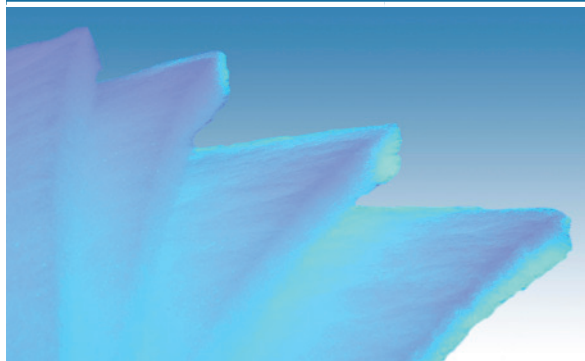
## ISO 16890 TECHNICAL DATA

Product	Unit	C15-150	C15-350	C15-500
Class To ISO 16890		ISO coarse 50%	ISO coarse 60%	ISO coarse 65%
Initial gravimetric Arrestance	%	52	63	67

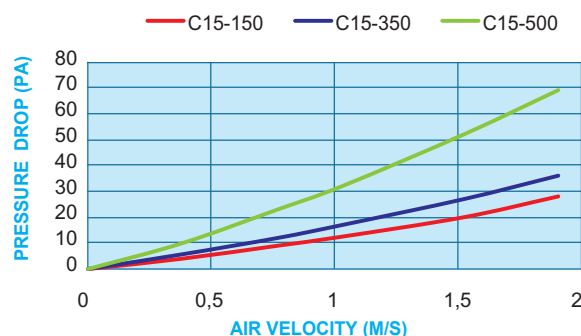
## APPLICATION PARAMETERS

Product	Unit	C15-150	C15-350	C15-500
Temperature resistance, constant	°C	≤ 100	≤ 100	≤ 100
Temperature resistance, short peaks	°C	< 120	< 120	< 120
Nominal thickness	mm	14	18	24
Relative humidity	%	100	100	100
Regenerable/washable	-	yes	yes	yes
Roll sizes standaard		1m x 20 m 2m x 20 m		

## PRE AND COARSE FILTRATION BARRIER

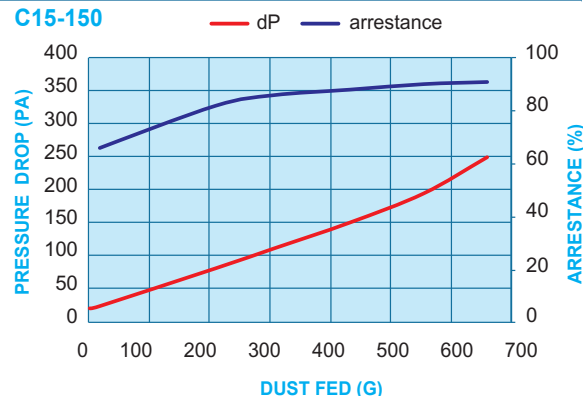


## PRESSURE DROP vs AIR FLOW RATE



## DUSTLOADING vs PRESURE DROP vs ARRESTANCE

### C15-150



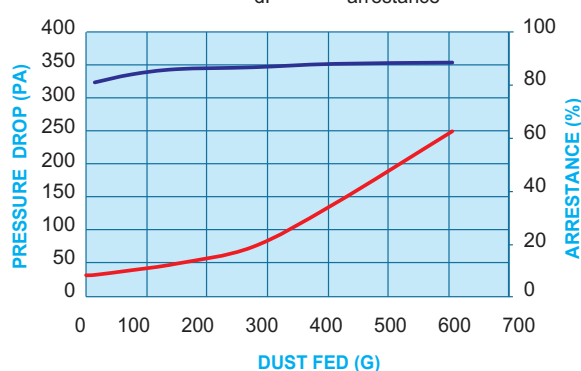
## DUSTLOADING vs PRESURE DROP vs ARRESTANCE

### C15-350



## DUSTLOADING vs PRESURE DROP vs ARRESTANCE

### C15-500



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.

## Ihr Kontakt

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