



FILTER MEDIA CT15-SERIES

- **PRE AND COARSE FILTRATION BARRIER** to the air intake system in general ventilation and air handling systems
- **SELF EXTHUINGUISHING** according **DIN 53438 F1**
- **100% POLYESTER FILTER MEDIA**

DESCRIPTION

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.

The CT15 series are constructed with fibers resistant to chemical influences such as solvents and acid 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 CT15 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 are 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 form.

FLAMMABILITY RATINGS

Filtrair CT15 series conform to German fire classification-standards (DIN 53438 F1) and are self-extinguishing. They are resistant to evaporate solvents and are produced in a 100 % silicone free environment.

FEATURES AND BENEFITS

Filtrair CT15-series are specially designed to be used in

- **GENERAL AIR HANDLING UNITS** for industrial plants
- **REFRIGERATION AND COMPRESSOR UNITS**
- **VENTILATION SYSTEMS** in extreme conditions
- **LOW AIR FLOW RESISTANCE** – high dust holding capacity
- **EASY TO HANDLE AND TO INSTALL** – no skin irritation
- **CLEAN AIR SIDE SMOOTHED AND IMPRINTED FOR IDENTIFICATION**
- **FILTRAIR CT15 SERIES** media may be disposed of by incineration
- **AVAILABLE IN ISO 16890 CLASS, ISO COARSE 70% AND ISO COARSE 80%**

FILTER MEDIA CT15-SERIES

TECHNICAL DATA

| Product | Unit | CT15-350 | CT15-500 |
|---|----------------------------------|----------|----------|
| Rated air flow | m ³ /h/m ² | 5400 | 3600 |
| air velocity | m/s | 1,5 | 1 |
| Initial pressure drop | Pa | 43 | 35 |
| Final pressure drop | Pa | 200 | 200 |
| Filter class per EN779:2012 | - | n.a. | n.a. |
| Dust holding capacity (ISO fine) 200 Pa | g/m ² | 720 | 536 |

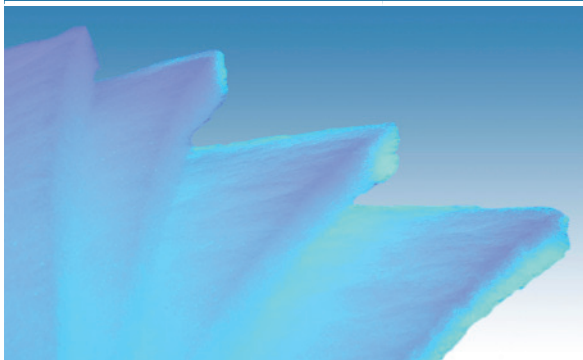
ISO 16890 TECHNICAL DATA

| Product | Unit | CT15-350 | CT15-500 |
|--------------------------------|------|----------------|----------------|
| Class to ISO 16890 | | ISO coarse 70% | ISO coarse 80% |
| Initial gravimetric Arrestance | % | 70 | 81 |

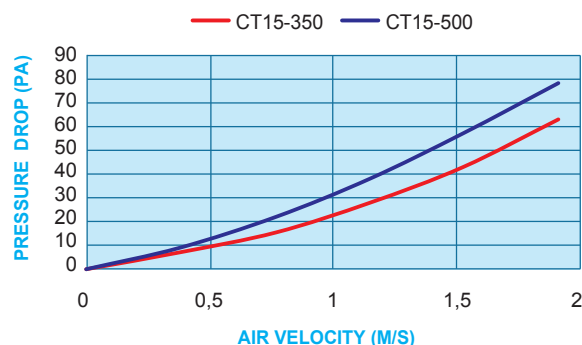
APPLICATION PARAMETERS

| Product | Unit | CT15-350 | CT15-500 |
|-------------------------------------|------|-----------|-----------|
| Temperature resistance, constant | °C | ≤ 100 | ≤ 100 |
| Temperature resistance, short peaks | °C | < 120 | < 120 |
| Nominal thickness | mm | 20 | 20 |
| Relative humidity | % | 100 | 100 |
| Regenerable/washable | - | yes | yes |
| Roll sizes standaard | | 1m x 20 m | 2m x 20 m |

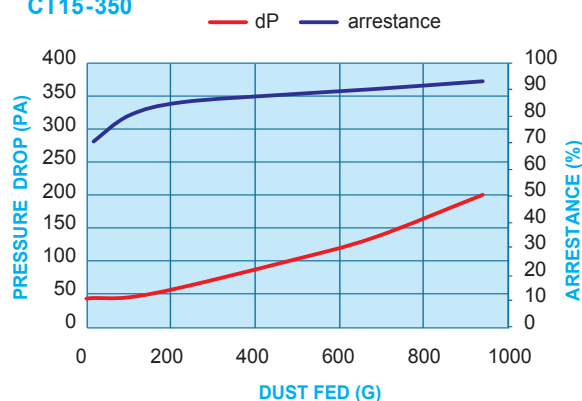
PRE AND COARSE FILTRATION BARRIER



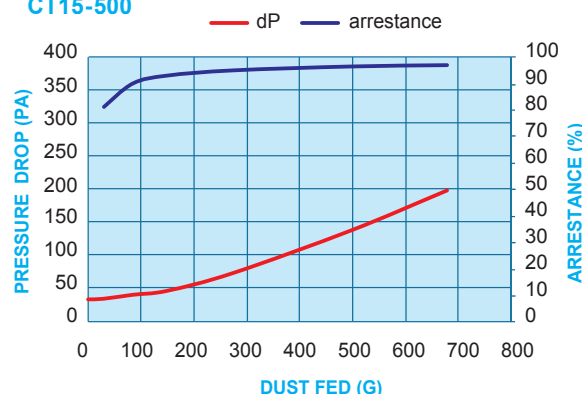
PRESSURE DROP vs AIR FLOW RATE



DUSTLOADING vs PRESURE DROP vs ARRESTANCE CT15-350



DUSTLOADING vs PRESURE DROP vs ARRESTANCE CT15-500



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.



Filtrair[®]
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