

# Ahlstrom-Munksjö Extia® 1000

Extended Filtration Lifetime for Air Pollution Control

**Extia® has the ability to extend filtration lifetime, whilst effectively removing coarse particulates at a lower level of pressure drop.**

Created by Ahlstrom-Munksjö specifically for Industrial Filtration markets, Extia® is a 100% synthetic, highly durable, pulse cleanable filter media, designed to last longer in all operating conditions.

Extia®1000 is positioned for dust filtration cartridge applications, helping to protect people and the environment.

## Benefits

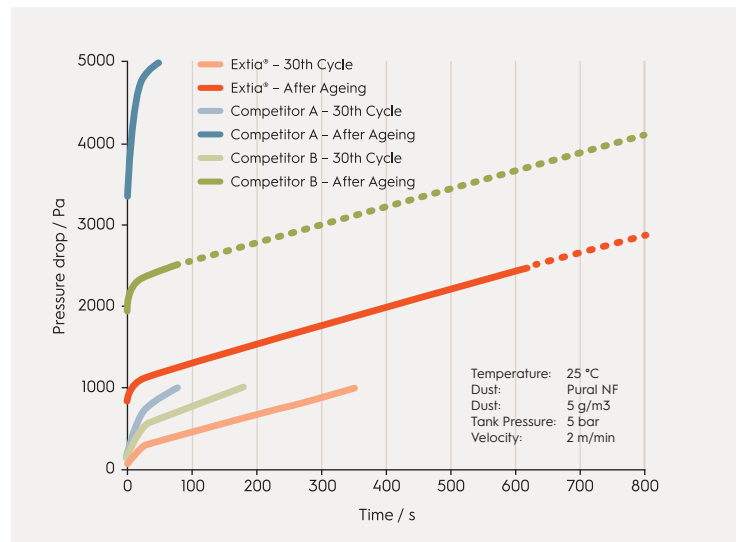
- ✔ **Extends filtration lifetime by over 40%** - helping to extend the operational duration before needing to change the filters
- ✔ **Effectively removes coarse particulates, over total filter life, at a lower level of pressure drop** - delivering better reduction of industrial emissions and energy saving
- ✔ **Easier to convert into a filter** - delivering faster knife pleating, plus offering suitability for rotary pleating

## 1. Extended filtration lifetime

- Delivers > 40% longer\* cycle time after ageing cycle, offering longer useful filtration lifetime
- Unrivalled pulse-jet cleaning properties (ISO 11057)
- Much more homogeneous cake formation due to absence of point bonding on Extia® 1000

| Testing         |                                   | Extia® 1000 | Competitor A | Competitor B |
|-----------------|-----------------------------------|-------------|--------------|--------------|
| Cycle time, [s] | After 30 cycles to 1000 Pa        | 359         | 80           | 188          |
|                 | Estimated to 5000 Pa after ageing | 1766        | 45           | 1176         |

\*Delivers > 40% longer cycle time after ageing cycle versus competitor B



All test data generated externally by third party test laboratory in Germany.

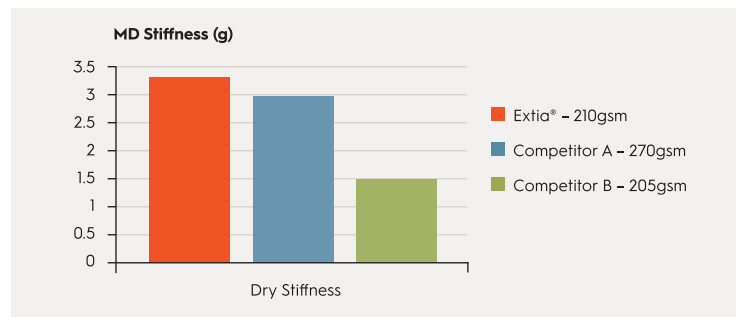
## 2. Effectively removes coarse particulates, over total filter life, at 3 times^ lower level of pressure drop

| Testing                      |                 | Extia® 1000 | Competitor A | Competitor B |
|------------------------------|-----------------|-------------|--------------|--------------|
| Residual Pressure Drop, [Pa] | After 30 cycles | 71          | 140          | 135          |
|                              | After ageing    | 819         | 3398         | 1928         |

^3 times lower pressure drop after ageing cycle versus competitors

## 3. Easier to convert into a filter

- Extia® 1000 offers higher stiffness, resulting in better pleat stability, making pleating easier
- Delivering faster knife pleating, plus offering suitability for rotary pleating



## Physical properties

|             | Basis Weight     | Efficiency Class | Thickness | Air Permeability            | Burst Strength | MD Stiffness |
|-------------|------------------|------------------|-----------|-----------------------------|----------------|--------------|
| Grades      | g/m <sup>2</sup> | EN779-2012       | µm        | L/m <sup>2</sup> /s @200 Pa | kPa            | mg           |
| Extia® 1000 | 210              | M6               | 600       | 222                         | 1785           | 3300         |

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