



## Industrial Air Filtration

Ahlstrom's media portfolio for Industrial Air filtration provides solutions to safely remove dust and particulate pollution in a wide range of industrial and commercial production environments.

In order to comply with the wide range of end applications Ahlstrom has developed a product portfolio covering the most demanding Dust Collector performance requirements. Our advanced filter materials are designed to suit all efficiency targets capturing the air pollutants and contributing to a safer and cleaner work environment.

Ahlstrom's StatGuard™ product family provide superior filtration performance for demanding reverse-pulse applications. This conductive media is designed for grounded installations to offer additional protection in environments with high risk of dust explosions.

Ahlstrom's XAir product family offers high filtration efficiency levels for challenging environments polluted with fine dust and soot, for superior filter life.

Ahlstrom NanoPulse™ filter media is optimized to remove high amounts of submicron size contaminants in reverse-pulse cleaning installations.

### Cellulose/synthetic Pulse-Jet Media

- A full range of cellulose/synthetic fiber based media with superior level of filtration performance and outstanding mechanical properties
- Designed for reverse-pulse applications and available with flame retardant protection
- High durability in dry and wet conditions

### Ahlstrom StatGuard™

- Engineered with conductive/dissipative properties to promote electrostatic charge decay
- Preventing spark ignition in high-dust environments

### Ahlstrom XAir Media

- Ahlstrom XAir products are designed with PBT and PP microfibers to allow high efficiency and soot filtration in combination with high capacity for a long life of the filter element
- Increased filtration efficiency level for challenging environments polluted with fine dust and soot
- Suitable for reverse-pulse cleaning

### Ahlstrom NanoPulse™ Media

- Nanofiber coating with PA and PVDF fibers reduces pressure drop and assures optimal dust cake release during pulse cleaning
- Optimum combination of high efficiency and low pressure drop
- Excellent reverse pulse properties

## Cellulose/synthetic Pulse-Jet Media

| Grade               | Basis weight     | Corrugation | Air permeability   | Burst strength | Stiffness | WR  | FR  | Surface resistance | Filter rating     |
|---------------------|------------------|-------------|--------------------|----------------|-----------|-----|-----|--------------------|-------------------|
|                     | g/m <sup>2</sup> | µm          | l/m <sup>2</sup> s | kPa            | mg        |     |     | Ohm/m <sup>2</sup> |                   |
| 52/40 LE WB2-G      | 110              | 450         | 185                | 300            | 4500      | Yes | n/a | n/a                | EN779-2012: M5    |
| 49/40 WD AU F1-G    | 130              | 400         | 130                | 350            | 4500      | No  | Yes | n/a                | EN779-2012: M6    |
| 53/40 LE PE K WB2-G | 115              | 450         | 190                | 320            | 4000      | Yes | n/a | n/a                | EN779-2012: M5    |
| Trinitex K1010 100  | 100              | flat        | 160                | 340            | 1400      | No  | n/a | n/a                | EN779-2012: F9    |
| 53/40 E PE K WB2-G  | 130              | 450         | 150                | 300            | 4500      | Yes | n/a | n/a                | EN779-2012: M5    |
| 90/40 E PE K WB2-G  | 120              | 450         | 120                | 350            | 4000      | Yes | n/a | n/a                | EN779-2012: M5-M6 |
| 17W                 | 110              | 450         | 160                | 345            | 3500      | Yes | n/a | n/a                | EN779-2012: M5-M6 |
| 17FW                | 145              | 450         | 120                | 345            | 3500      | Yes | Yes | n/a                | EN779-2012: M5-M6 |

| Media type                                 | Grade        | Basis weight     | Corrugation | Air permeability   |     | Burst strength | Stiffness | Thickness | Flame retardancy        | Surface resistance | Filter rating                                 |
|--|--------------|------------------|-------------|--------------------|-----|----------------|-----------|-----------|-------------------------|--------------------|---|
|  |              | g/m <sup>2</sup> | µm          | l/m <sup>2</sup> s | CFM | kPa            | mg        | µm        |                         | Ohm/m <sup>2</sup> |   |
| StatGuard™ cellulose/synthetic             | STG 60       | 140              | 420         | 185                | 26  | 350            | 4000      | 350       | n/a                     | 10 <sup>5</sup>    | M5 - EN779 2012<br>F8 - EN779 2002<br>MERV 14 |
| StatGuard™ cellulose/synthetic + FR        | STG 60 FR    | 145              | 400         | 170                | 23  | 300            | 4000      | 350       | yes:<br>F1 DIN<br>53438 | 10 <sup>5</sup>    | M5 - EN779 2012<br>F8 - EN779 2002<br>MERV 15 |
| StatGuard™ cellulose/synthetic + nano      | STG NP 70    | 140              | 420         | 165                | 21  | 300            | 4000      | 350       | n/a                     | 10 <sup>5</sup>    | F9 - EN779 2012<br>MERV 15-16                 |
| StatGuard™ cellulose/synthetic + nano + FR | STG NP 70 FR | 145              | 420         | 155                | 20  | 300            | 4000      | 350       | yes:<br>F1 DIN<br>53438 | 10 <sup>5</sup>    | F9 - EN779 2012<br>MERV 15-16                 |

## Ahlstrom XAir Media

| Grade  | Basis weight     | Corrugation | Air permeability   | Burst strength | Stiffness | WR  | FR  | Surface resistance | Filter rating  |
|--------|------------------|-------------|--------------------|----------------|-----------|-----|-----|--------------------|----------------|
|        | g/m <sup>2</sup> | µm          | l/m <sup>2</sup> s | kPa            | mg        |     |     | Ohm/m <sup>2</sup> |                |
| XAIR2  | 135              | 350         | 300                | 250            | 3000      | n/a | n/a | n/a                | EN779-2012: F7 |
| XAIR3  | 145              | 350         | 100                | 250            | 3000      | Yes | n/a | n/a                | EN779-2012: F9 |
| XAIR11 | 140              | 250         | 160                | 220            | 3000      | Yes | n/a | n/a                | EN779-2012: F8 |

## Ahlstrom NanoPulse™ Media

| Grade   | Basis weight     | Corrugation | Air permeability   | Burst strength | Stiffness | WR  | FR  | Surface resistance | Filter rating  |
|---------|------------------|-------------|--------------------|----------------|-----------|-----|-----|--------------------|----------------|
|         | g/m <sup>2</sup> | µm          | l/m <sup>2</sup> s | kPa            | mg        |     |     | Ohm/m <sup>2</sup> |                |
| NP70    | 120              | 400         | 200                | 200            | 3000      | Yes | n/a | n/a                | EN779-2012: F9 |
| NP70 FR | 130              | 400         | 200                | 200            | 3000      | Yes | Yes | n/a                | EN779-2012: F9 |

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