



# Air Pollution Control Filter Media

Reducing industrial emissions, helping protect the environment.

**Air pollution control (APC) and dust collection filter media are used in a wide range of industrial applications to reduce or eliminate the emission of particles into the atmosphere from stationary sources.**

Ahlstrom-Munksjö offers a complete range of media developed for cartridge filter elements based on our market reference CellTech platform. The self-supported structure combines highest pleatability, optimal filtration performance and excellent pulse self-cleaning properties. Delivering extended lifetime and multiple functionalization to match individual customer needs.

Ahlstrom-Munksjö APC portfolio includes **CellTech APC**, **Nano APC** and the unique **StatGuard™** conductive filter media family.

## Benefits

- ✔ Delivers longer filter life time, due to optimal self-cleaning properties.
- ✔ Extended performance in humid conditions due to specific fiber blend.
- ✔ High corrugation and optimal pleating performance.
- ✔ High efficiency F9 nano-coating available for better protection.
- ✔ Flame Retardant and Conductive treatments available for higher safety.

## Ahlstrom-Munksjö CellTech APC

The market reference of corrugated cellulose / polyester fiber blend water repellent filtration media for APC application. Achieves EN779 M6 particulate removal efficiency. Available with flame retardant F1 ISO 53468 functionality for occasions when live sparks can enter in the dust collector. A cost-effective solution for most standard APC applications including: surface treatment, sand blasting, metal work and mining.

	Basis Weight	Efficiency	Thickness	Corrugation	Air Permeability	Burst Strength	Stiffness MD
Product	g/m <sup>2</sup>	EN779:2012	µm	µm	L/m <sup>2</sup> /s @200 Pa	kPa	g
<b>BF 90/40 E PE K WB2</b>	120	M6	310	380	130	380	3.5
<b>BF 90/40 E PE K WB2 AU F1</b>	130	M6	330	350	120	300	3.0

\*These specific grades are manufactured in Europe. Equivalent grades are also available from our plants in Asia and Americas.

## Ahlstrom-Munksjö Nano APC

Based on our market reference CellTech APC media, coated with electrospun nanofibers on the upstream side, Nano APC products are the preferred choice when submicron particles are targeted. Nano APC reaches EN779:2012 F9 particulate removal efficiency, combined with excellent surface loading and dust release properties. Available with a flame retardant F1 ISO 53468 functionality for occasions when live sparks can enter in the dust collector. Nano APC is highly suitable for surface treatment, pharma industry, chemical processing and metal work.

	Basis Weight	Efficiency	Thickness	Corrugation	Air Permeability	Burst Strength	Stiffness MD
Product	g/m <sup>2</sup>	EN779:2012	µm	µm	L/m <sup>2</sup> /s @200 Pa	kPa	g
<b>NP 70</b>	125	F9	320	450	185	300	4.7
<b>NP 70 FR</b>	130	F9	360	450	110	200	3.7

## Ahlstrom-Munksjö StatGuard™

Portfolio can be combined with a unique conductive carbon impregnated functionality preventing build-up of static charge on the filter media – Ahlstrom-Munksjö StatGuard™

StatGuard™ filtration media keeps all the benefits of the CellTech platform but adds a unique feature with the ability to conduct electrostatic charge away from both sides and dissipate it. This family of products is the recommended choice when powdered materials are used in pharma or chemical processing, as well as in wood and paper industry. StatGuard™ grades are flame retardant F1 ISO53468 and are available with a standard EN779 M5 particulate efficiency or enhanced to reach EN779:2012 F9 efficiency.

	Basis Weight	Efficiency	Thickness	Corrugation	Air Permeability	Burst Strength	Stiffness MD
Product	g/m <sup>2</sup>	EN779:2012	µm	µm	L/m <sup>2</sup> /s @200 Pa	kPa	g
<b>STG 60 FR</b>	145	M5	370	410	180	215	4.0
<b>STG NP 80 FR</b>	145	F9	350	380	150	200	5.5

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