



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 wetlaid platforms. 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 industry needs.

Ahlstrom-Munksjö APC portfolio includes: **CellTech APC**, **Nano APC**, the unique **StatGuard®** conductive filter media family and, award-winning **Extia®**, a comprehensive range of 100% synthetic, highly durable media, designed for most challenging operating conditions.

Benefits

- ✔ **Complete product offering** – from cellulosic to 100% synthetic, delivering efficiency levels from M5 to E12, matching specific market needs.
- ✔ **Flame retardant and conductive treatments** – matching the most demanding industrial process requirements
- ✔ **Delivers longer filter lifetime** – due to optimal pulse cleaning properties
- ✔ **Excellent pleating performance** – throughout the range.

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.

Product	Basis Weight	Efficiency		Thickness	Corrugation	Air Permeability	Stiffness MD	Flame Retardant
	g/m ²	EN779:2012	ISO16890	µm	µm	L/m ² /s @200 Pa	g	yes/no
BF 53/40 E PE K WB2-G	130	M5	ePM10 65%	330	380	170	4.0	No
BF 53/40 PE K WB2 AU FI-G	135	M5	ePM10 65%	370	430	185	4.5	Yes
BF 90/40 E PE K WB2-G	120	M6	ePM10 75%	310	380	130	3.5	No
BF 90/40 E PE K WB2 AU FI-G	130	M6	ePM10 75%	330	350	120	3.0	Yes

*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 in environments with high concentration of submicron particles. 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.

Product	Basis Weight	Efficiency		Thickness	Corrugation	Air Permeability	Stiffness MD	Flame Retardant
	g/m ²	EN779:2012	ISO16890	µm	µm	L/m ² /s @200 Pa	g	yes/no
NP 70	125	F9	ePM1 80%	320	450	185	4.7	No
NP 70 FR	130	F9	ePM1 80%	360	450	110	3.7	Yes

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 up to F1 according to DIN 53438. They are available with a standard EN779 M5 particulate efficiency or enhanced, using a nano-fiber coating treatment, to deliver EN779:2012 F9 efficiency.

Product	Basis Weight	Efficiency		Thickness	Corrugation	Air Permeability	Stiffness MD	Flame Retardant
	g/m ²	EN779:2012	ISO16890	µm	µm	L/m ² /s @200 Pa	g	yes/no
STG 60 FR	145	M5	ePM10 65%	370	410	180	4.0	Yes
STG NP 80 FR	145	F9	ePM1 80%	350	380	150	5.5	Yes

Ahlstrom-Munksjö Extia®

Created by Ahlstrom-Munksjö specifically for APC applications, Extia® is a 100% synthetic, highly durable, pulse cleanable media that offers extended filtration life time, whilst effectively removing particles and dust at a lower pressure drop. The Extia® offering has expanded to include a comprehensive range of mid efficiency and high efficiency filter media solutions. The full Extia® range is described in details separately.

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