



# Ahlstrom Statguard®

Cellulose base media with nano fibers option for Air Pollution Control cartridges in dry environment when explosion risk can occur.

**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, protecting people and environment.**

The Ahlstrom **Statguard®** portfolio consists of a blend of cellulose/synthetic media with unique dissipative treatment. It can be upgraded with electrospun nano fibers on the upstream side.

With a self-supported structure, Ahlstrom **Statguard®** combines leading performance in pleatability, with excellent durability and effective filtration of coarse and fine particles.

Ahlstrom **Statguard®** delivers a perfect solution for APC applications when antistatic properties are required along the cartridge lifetime.

## Benefits

- ✔ **Flame retardant and dissipative** - Matching the most demanding explosive industrial process requirements.
- ✔ **Dissipative in all directions** - core treated media keeping antistatic properties along the whole filter life.
- ✔ **High Corrugation** - offering ideal performance for pleatability.
- ✔ **Nanofiber optional** - delivering higher efficiency on fine particles, low pressure drop and better dust cake release for best and longer filtration performance.

## Ahlstrom Statguard®

**StatGuard®** filtration media keeps all the benefits of the CellTech platform, including best processability and excellent durability in dry conditions, but adds a unique feature with the ability to dissipate electrostatic charges according to TRGS 727:2016 and IEC/TS 60079-32-1. The antistatic element is added in the core of the media, which guarantees the dissipative properties in all directions and all along the filter lifetime, even with abrasive dust. This family of products is the recommended choice when dusts can create an explosion risk as when filtering powders, granulates, machining chips in wood, plastic and paper industries. StatGuard® grades are flame retardant reaching F1 according to ISO 53468.

**StatGuard® Nano** combines unique Statguard® base media properties with a nano layer delivering ePM1 80% (ISO16890) / M class (EN60335) at very low pressure drop. The nano layer additionally confers very good pulse-jet cleaning behavior, due to predominant surface filtration phenomena and better dust cake release. These features make it our recommended option for environments with fine pollution and explosion risk, typically in pharma, chemical processing and other industries using for example carbon black.

Grades	Basis Weight	Efficiency		Thickness	Corrugation Depth	Air Permeability	Stiffness MD	Flame retardant
	g/m <sup>2</sup>	EN60335	ISO16890	µm	µm	L/m <sup>2</sup> /s @200 Pa	g	Yes/no
<b>STG60FR</b>	145	M	ePM10 65%	380	320	180	4	Yes
<b>STGNP80FR</b>	145	M	ePM1 80%	350	320	150	5.5	Yes

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