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) filter media play a critical role in reducing emissions and ensuring safe operation across various industrial environments.

Ahlstrom **StatGuard®** blends cellulose and synthetic fibers with a unique dissipative treatment, maintaining antistatic performance throughout the entire filter lifetime.

Its self supported structure provides **excellent pleatability, durability,** and **high efficiency on coarse and fine particles**, with the option of an added nanofiber layer.

StatGuard® is designed for APC cartridges used in dry environments where electrostatic charge buildup increases the risk of ignition.

Benefits

- **Flame retardant and dissipative** – adapted to demanding industrial processes with explosion risks
- **Dissipative in all directions** – core treated for permanent antistatic performance throughout the media life
- **High Corrugation** – supporting excellent pleatability
- **Nanofiber optional** – enhancing filtration efficiency, lowering pressure drop, and improving dust cake release

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Ahlstrom **StatGuard®** filtration media maintains all advantages of the CellTech platform – including excellent pleatability and strong durability – while adding a permanent electrostatic dissipative function. The dissipative treatment is integrated into the **core of the media**, ensuring long lasting antistatic behavior in all directions, even under abrasive dust loads. This makes StatGuard® the recommended solution for APC systems where electrostatic discharge poses operational or safety concerns.

StatGuard® grades are flame retardant and reach F1 (ISO53468), supporting safer operation in processes involving flammable dusts. The **StatGuard® Nano** reference combines this antistatic protection with a nano layer delivering ePM1 80% (ISO16890) / M class performance at low pressure drop. Its surface filtration characteristics ensure excellent dust cake release and are particularly suited for challenging environments such as pharmaceutical production, chemical processing or carbon black handling.

Ahlstrom Statguard® - Key Grade Characteristics

PFAS-free grades available upon demand.

	Basis Weight	Efficiency		Thickness	Corrugation Depth	Air Permeability	Stiffness MD	Flame retardant
Grades	**g/m²**	**EN60335**	**ISO16890**	**µm**	**µm**	**L/m²/s @200 Pa**	**g**	**Yes/no**
STG60FR	140	L	ePM10 65%	400	400	210	4.0	Yes
STGNP80FR	145	M	ePM1 80%	400	400	150	5.5	Yes

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