

Ahlstrom **Synthetic GT**

Pulse-jet filtration media for gas turbines operating in wet environment.

Quality of air entering the turbine is a significant factor in the performance and lifetime of the gas turbine. Ahlstrom offers a complete range of filtration media developed for gas turbine applications, to meet specific market needs in various operational environments.

Ahlstrom **Synthetic GT** is based on our CellTech market reference platform, with a full synthetic fiber composition and an hydrophobic treatment.

Engineered focusing on mechanical stability and easy processability, the whole Synthetic GT portfolio is designed for pulse-jet applications, combining best pleatability, excellent durability, plus very good performance for filtering coarse particles.

Ahlstrom **Synthetic GT** delivers extended filter lifetime in humid environmental conditions.

Benefits

- ✔ **100% synthetic structure** – delivering excellent durability in humid conditions.
- ✔ **Delivers a full range of filtration efficiencies** – effectively protecting gas turbine against coarse and fine dust.
- ✔ **Delivers low pressure drop** – plus optimal pulse-jet cleaning behavior, helping to increase uptime between service intervals.
- ✔ **Features high stiffness** – which delivers ideal performance for pleatability.

Ahlstrom Synthetic GT

Ahlstrom Synthetic GT portfolio had been developed to cover the most common range of fine-efficiency classes demanded by pulse-jet cleaning filtration systems. Every media had been designed with high corrugation profiles (as standardized by blended cellulose/synthetic medias) for allowing smooth pleatability/filter assembling's operations but adding enhanced mechanical stability (vs cellulose/synthetic-based materials) on filters' geometry reliance during pulse-jet cleaning cycles.

Ahlstrom Synthetic GT portfolio delivers enhanced filter-elements mechanical stability and mechanical filtration performances reliability, especially in challenging humid environmental conditions.

Synthetic GT portfolio is designed as a wet-laid, 100% synthetic fiber- blend, corrugated, hydrophobic and non-composite (without nano-fiber surface coating nor combined with meltblown via offline-lamination processes) filter media.

Ahlstrom Synthetic GT – Key Grade Characteristics

	Basis Weight	Efficiency Class		Thickness	Corrugation Depth	Air Permeability	MD Stiffness
Grades	g/m ²	EN779-2012	ISO16890	µm	µm	L/m ² /s @ 200 Pa	g
AK4560NCS2WR	114	F7	ePM2.5 50%	740	320	265	2.3
AB5040SPN1WR	128	F8	ePM1 60%	750	700	190	1.7
SY5242PN1WR	129	F9	ePM1 80%	700	340	140	1.5

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