

Ahlstrom-Munksjö FineFiber GT

Pulse-jet filtration media for gas turbines operating in variable weather conditions with fine and heavy pollution.

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

Ahlstrom-Munksjö **FineFiber GT** portfolio is based on our market reference CellTech filtration media, but laminated with proprietary Fine Fibers on the upstream side.

With a self-supported structure, it combines leading performance in pleatability, with optimal mechanical filtration and excellent self-cleaning behaviour, delivering longer lifetime.

Ahlstrom-Munksjö **FineFiber GT** is the alternative choice when more traditional media are facing lifetime issues due to challenging environmental conditions.

Benefits

- ✔ **Delivers 3 levels of efficiency** – enabling adjustment of filtration performance for different characteristics of pollution.
- ✔ **Unique design** – limiting media clogging in humid and urban environments.
- ✔ **Optimal back-pulsing behaviour** – delivering longer time between service intervals.
- ✔ **High corrugation** – offering ideal performance for pleatability.

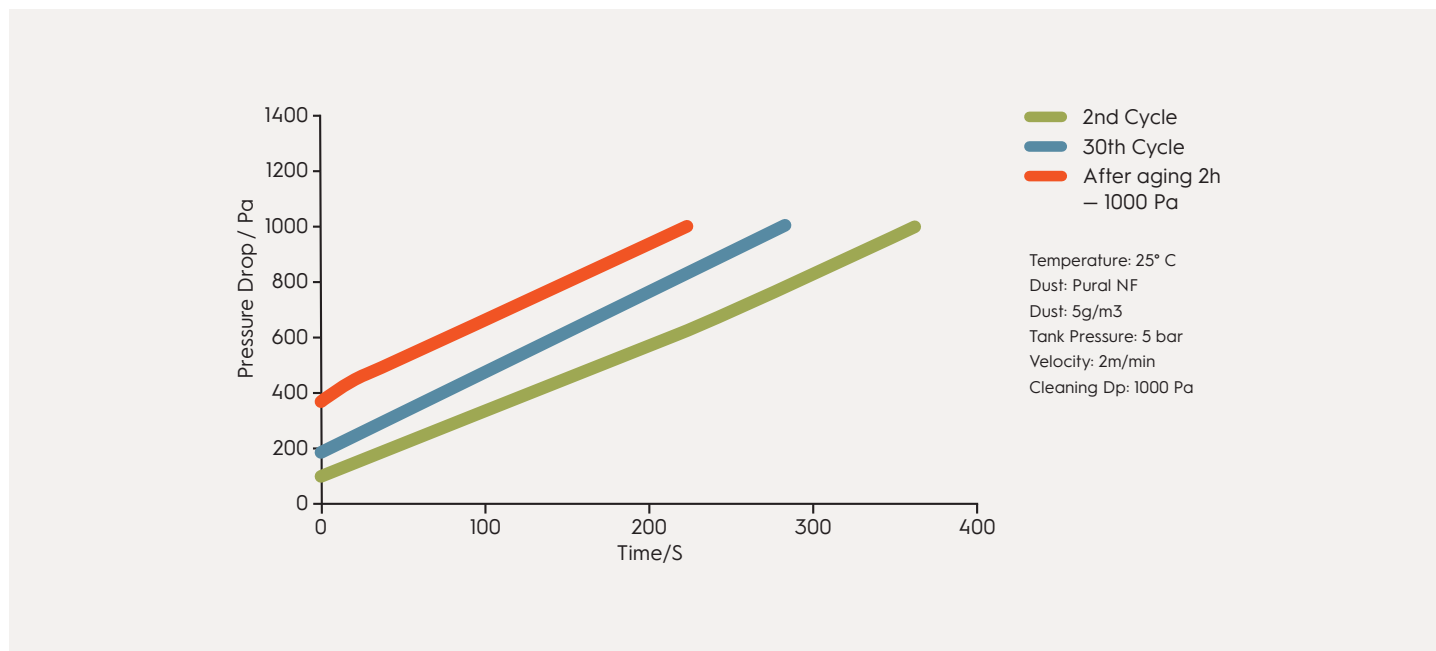
Ahlstrom-Munksjö FineFiber GT

XAIR F7, XAIR F8 and XAIR F9 are our main **FineFiber GT** offering, reaching respectively ePM2.5 60%, ePM1 70% and ePM1 80% according the new ISO 16890 standard. These 3 grades deliver an optimal balance of particulate efficiency and pressure drop, for different characteristics of pollution.

The unique design of our proprietary FineFiber layer, as well as a specific treatment of the base material, prevents media clogging during instances of high humidity and also during high concentration levels of soot. This key property guarantees longer lifetime in challenging operating conditions.

In addition, the predominant surface filtration phenomena of the media enables very good pulse-jet cleaning behavior comparable to the best nano products.

Ideal pulse jet behavior according ISO 11057 (XAIR F9)



Ahlstrom-Munksjö FineFiber GT - Key Grade Characteristics

Grades	Basis Weight	Efficiency Class		Thickness	Corrugation Depth	Air Permeability	MD Stiffness
	g/m ²	EN779-2012	ISO16890	µm	µm	L/m ² /s @200 Pa	g
XAIR F7	130	F7	ePM2.5 60%	450	280	300	2.5
XAIR F8	130	F8	ePM1 70%	450	280	180	2.5
XAIR F9	130	F9	ePM1 80%	450	280	80	2.5

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