

Ahlstrom CellTech GT

Pulse-jet filtration media for gas turbines operating in dry environment with coarse pollution.

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.

The Ahlstrom **CellTech GT** portfolio consists of a blend of cellulose/synthetic media and is produced on our global filtration production platforms.

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

Ahlstrom **CellTech GT** delivers adequate protection for the gas turbine and long filtration lifetime in dry environments.

Benefits

- ✓ **Available in 2 levels of efficiency** – ePM10 65% and 75% (ISO16890), delivering high protection against coarse particles.
- ✓ **Optimized synthetic content and water repellency** – offering improved resistance to humidity.
- ✓ **Excellent pulse jet durability** – delivering longer time between service intervals.
- ✓ **High corrugation** – offering ideal performance for pleatability.
- ✓ **Flexible manufacturing capability** – in US, Asia and EMEA.

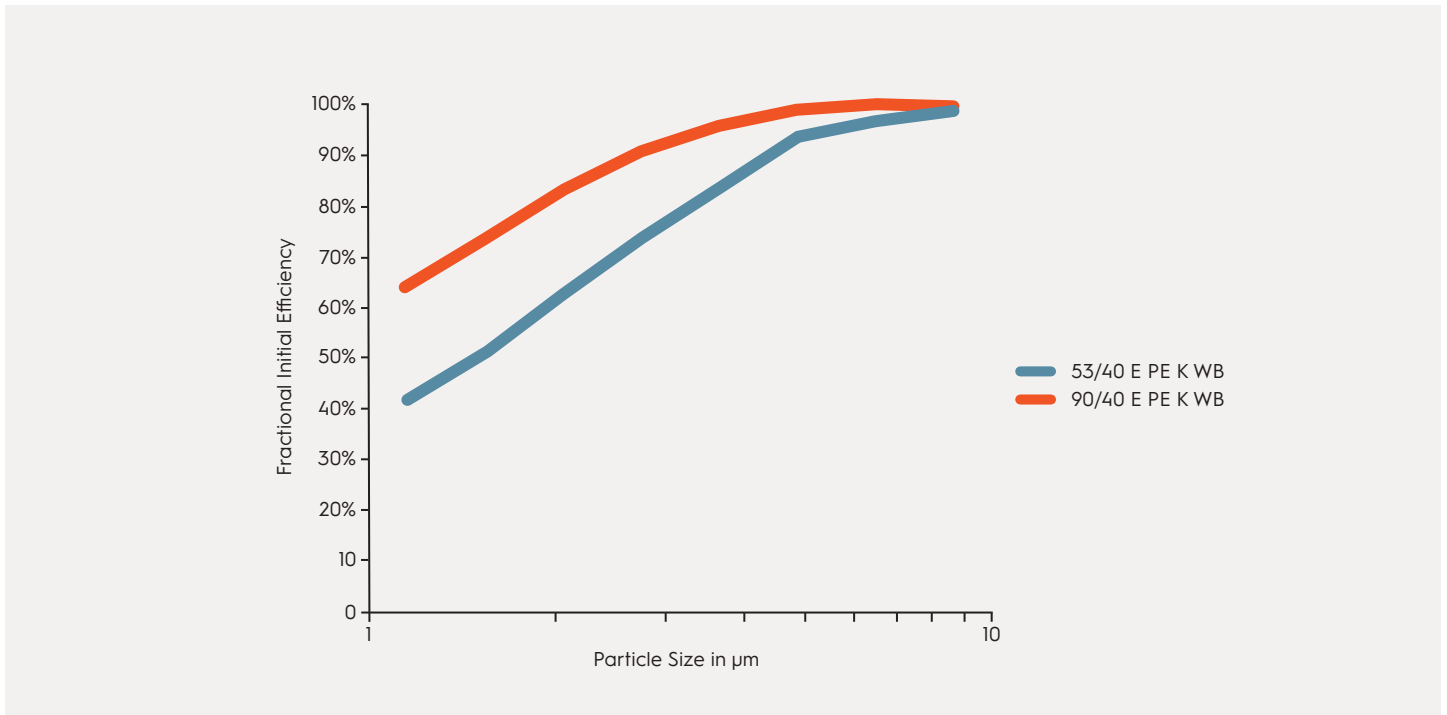
Ahlstrom CellTech GT

Ahlstrom **CellTech GT** is widely recognized around the world to be a benchmark in terms of processing on rotary pleaters, durability and pulse-jet cleaning behavior.

Grades 53/40 and 90/40 are our main M5-M6 (EN779:2012) CellTech GT offerings, reaching respectively ePM10 65% and ePM10 75%, according to the new ISO 16890 standard. These grades deliver adequate efficiency in most rural or desert areas where 50% of the particles have a diameter higher than 10µm and 80% higher than 1µm. In addition, our unique blend of synthetic and cellulose fibers delivers lower pressure drop, better dust holding capacity and consistent performance during short timescales of increased humidity.

CellTech GT grades are also available in a Flame Retardant version, reaching F1 according to ISO53468. In addition, our unique blend of synthetic and cellulose fibers deliver lower pressure drop, better dust holding capacity and combined with a customized water repellent treatment. Consistent performances during short timescales of increased humidity.

Media designed for effective filtration performance of coarse particles (ISO16890)



Ahlstrom CellTech GT - Key Grade Characteristics

GRADES	Basis Weight	Efficiency Class		Thickness	Corrugation Depth	Air Permeability	MD Stiffness	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 F1-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 F1-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.

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