Ahlstrom **Glass GT**

Static filtration media for gas turbines operating in variable weather conditions with fine 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.

Ahlstrom **Glass GT** portfolio is based on our microfiber technology platform, mixing glass, synthetic fibers and a specific surface treatments.

With a customizable structure, it combines high filtration efficiency with low pressure drop, plus extended dust holding capacity for longer service intervals and less maintenance costs.

Ahlstrom **Glass GT** delivers high protection and longer filter lifetime in most environmental conditions.

Benefits

- **Complete range of efficiency** – for optimal protection against smallest particles.
- **Top liquid repellency** – preventing ingress of water or oil droplets in the turbine.
- **Extended dust holding capacity** – even with challenging dusts.
- **Excellent pleatability** – improved productivity.
- **Customization available on demand** – including physical properties, performances and lamination.

Ahlstrom Glass GT

Ahlstrom **Glass GT** offer covers a wide range of efficiencies from ePM1 70% (ISO16890) / F8 (EN779:2012) to H13 (EN1822). Portfolio is characterized by a very high level of water/oil repellency to prevent liquid ingress and to better protect the turbine against corrosion and fouling.

Fine filtration media have been developed with a unique double layer gradient structure, delivering improved dust holding capacity and longer duration between service intervals. EPA/HEPA filtration media have been developed to optimize the ratio of efficiency / pressure drop and significantly reduce energy consumption of the filtration unit.

SYN products contains a high content of synthetic fibers and are recommended to customers looking for higher mechanical resistance and improved pleating performance.

E/H Dual (D02) products have a tailor-made double layer gradient structure. Combining, in a 2-in-1 concept, a fine pre-filtration first layer and an highly efficient second layer, delivering EPA/HEPA protection and increased lifetime without adding a 3rd stage of filter elements.

Glass GT – Fine Efficiency Range

	Basis Weight	Efficiency Class		Thickness	Pressure Drop @ 5.3 cm/s	MD Tensile	MD Stiffness
Grades	g/m²	EN779-2012	ISO16890	µm	Pa	N/m	g
HWRDF801	78	F8	ePM1 70%	500	38	1500	1.1
SYNDF801	78			490	38	2100	0.9
HWRDF901	78	F9	ePM1 80%	500	57	1500	1.1
SYNDF901	78			490	57	2100	0.9

Glass GT – EPA/HEPA Efficiency Range

	Basis Weight	Efficiency Class	Thickness	Pressure Drop @ 5.3 cm/s	MD Tensile	MD Stiffness
Grades	g/m²	EN1822	µm	Pa	N/m	mg
HWRH1001	72	E10	460	95	1500	1.0
SYNH1003	81		490	93	2100	1.0
H1003D02	115		670	108	1600	1.6
HWRH1101	72	E11	440	172	1500	1.0
SYNH1103	81		490	123	2100	1.0
H1103D02	115		670	175	1600	1.6
HWRH1201	72	E12	420	225	1200	1.0
SYNH1201	81		490	260	2100	1.0
H1203D02	115		670	275	1600	1.6
HWRH1301	72	H13	420	265	1200	1.0
SYNH1301	81		490	299	2100	1.0
H1303D02	115		670	315	1600	1.6

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