Ahlstrom Trinitex® HVAC

Purifying air, protecting personal health and comfort

Quality of air in residential and commercial buildings is a major public health and safety challenge. Ahlstrom filtration media for Heating, Ventilation and Air Conditioning (HVAC) applications, protect people and processes from harmful pollutants in ambient air, reducing the risk of airborne contamination and increasing the comfort of life.

Ahlstrom **Trinitex® HVAC** portfolio consists a complete range of 100% mechanical filtration solutions with a very high synthetic fibrous content. The portfolio is based on our unique proprietary Trinitex® technology and is characterized by low pressure drop, high dust holding capacity and superior mechanical resistance, even in wet conditions.

A premium choice for panel and compact filters able to cover coarse and fine particles filtration needs in residential, commercial and industrial HVAC units.

Benefits

- **Increased dust holding capacity and low pressure drop** – extending service intervals and reducing energy consumption.
- **Superior media resilience** – even in wet environments.
- **Improved pleating performance** – delivering production savings.
- **Complete range of efficiency** – from coarse 70% to EPM1 85%.
- **Proven ability to customize** – using extensive and demonstrated know-how.

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Trinitex® HVAC is a 3-layer gradient filter media with superior uniformity and outstanding mechanical strength, even when wet or after folding. The unique and patented structure with 100% polyester fibers on surface is an excellent choice for the customers looking for minimal glass shedding and best durability in all conditions of use.

Key Grade Characteristics

	Basis Weight	Efficiency Class	Thickness	Pressure Drop @ 5.3 cm/s	MD Tensile	MD Stiffness
Grades	**g/m²**	**ISO16890**	**µm**	**Pa**	**N/m**	**g**
K875 100	100	Coarse 70%	860	3	5200	1.7
K949 70	70	Coarse 90%	620	10	1900	0.4
K971 70	70	ePM10 70%	580	19	1700	0.4
K972 70	70	ePM1 55%	570	29	2000	0.5
K973 70	70	ePM1 70%	550	40	2200	0.5
K974 70	70	ePM1 80%	520	60	2500	0.5
K1026 70	70	ePM1 85%	500	76	2300	0.5

Ahlstrom Pleat2Save™

Pleat2Save™ is a predominantly synthetic filter media with improved tensile and burst strength, even when wet or after folding. The products deliver improved pleating performance and superior media resilience compared with traditional glass microfiber media, allowing important cost savings during the manufacturing of the filter.

Key Grade Characteristics

	Basis Weight	Efficiency Class	Thickness	Pressure Drop @ 5.3 cm/s	MD Tensile	MD Stiffness
Grades	**g/m²**	**ISO16890**	**µm**	**Pa**	**N/m**	**g**
P2S-M5	65	ePM10 55%	500	13	1800	0.6
P2S-M6	65	ePM10 70%	500	20	1600	0.6
P2S-F7	65	ePM1 55%	500	27	1800	0.6
P2S-F8	65	ePM1 70%	450	44	1800	0.6
P2S-F9	65	ePM1 80%	450	65	2000	0.6

Our flexible production platform and our state-of-the-art lamination capabilities, opens up a complete panel of customization including flame retardancy, water and oil repellent treatments, antimicrobial performance, fine-tuned efficiency or grammage, composite structures.

Contact Ahlstrom Sales: ✉ filtration@ahlstrom.com

www.ahlstrom.com

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