AHLSTROM MUNKSJÖ

HVAC Air Filter Media

Purifying air, protecting personal health and comfort

Quality of air in buildings is a major public health problem and an important safety parameter when referring to production processes. Ahlstrom-Munksjö filtration media for Heating, Ventilation and Air Conditioning (HVAC) applications, protect people and systems from harmful pollutants in ambient air, reducing the risk of airborne contamination and increasing the comfort of life.

Ahlstrom-Munksjö HVAC portfolio covers a complete range of 100% mechanical filtration solutions, keeping excellent performances over time and optimizing energy consumptions:

- Glass microfiber media platform with single layer, dual-layer and high permeability customizable design combined with an excellent pleatability.
- Proprietary 3-layer Trinitex® platform with predominantly synthetic structure, superior pleating performance and excellent durability.

Benefits

- Offers wide range of efficiency from ePM10 to ePM1 ratings (ISO16890).
- Delivers low to lowest pressure drop to minimize energy consumption.
- Delivers high to highest dust holding capacity to increase filter lifetime.
- Synthetic media family for customers looking for best durability.
- Customization on demand.

Ahlstrom-Munksjö Glass HVAC

Our HVAC portfolio covers a wide range of mechanical efficiency from ePM10 65% to ePM1 80% according to the new ISO16890 standard. The portfolio is characterized by low pressure drop and high dust holding capacity. Additionally excellent pleating performance – an optimal choice for deep-pleat and mini-pleat applications.

To even better match the needs of our customers, Ahlstrom-Munksjö has developed two additional product families: high permeability "-A" references to reach the lowest energy consumption and dual-layer gradient references for best filter lifetime and longer service intervals.

Our flexible production platform and our state-of-the-art lamination capabilities, opens up a complete panel of customization including repellent treatment, antimicrobial performance, fine-tuned efficiency or grammage, composite structure.

Ahlstrom-Munksjö Glass HVAC – Key Grade Characteristics

		Basis Weight	Efficiency Class		Thickness	Pressure Drop @ 5.3 cm/s	MD Tensile	MD Stiffness
Grades	**Category**	**g/m²**	**EN779:2012**	**ISO16890**	**µm**	**Pa**	**N/m**	**g**
65ASF601	Single	60	M6	ePM10 65%	450	11	1200	0.8
65ADF601	Dual	68			500	12	1200	1.0
80ASF701	Single	68	F7	ePM2.5 50% and ePM1 50%	480	30	1000	1.0
80ASF701A	-A	68			470	19	1000	1.0
85ADF701	Dual	78			520	30	1100	1.0
90ASF801	Single	68	F8	ePM1 70%	470	40	1000	1.0
90ASF801A	-A	68			480	31	1000	1.0
95ADF801	Dual	78			510	40	1100	1.0
90ASF901	Single	68	F9	ePM1 80%	460	57	1000	1.0
90ASF901A	-A	68			450	48	1000	1.0
95ADF901	Dual	78			510	57	1100	1.1

Ahlstrom Munksjö Trinitex® HVAC & Pleat2Save™

Trinitex® HVAC & Pleat2Save™ offer covers a complete range of full mechanical efficiency from ePM10 50% to ePM1 80% according to the new ISO16890 standard. Portfolio is characterized by low pressure drops, high dust holding capacity, plus better mechanical resistance; an excellent choice for deep-pleat and mini-pleat applications.

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.

Trinitex® HVAC is 3-layer gradient filter media with superior uniformity and excellent media processing performances. The unique and patented structure with 100% polyester fibers on surface is an excellent choice for the customers looking for minimal glass shedding during pleating and outstanding durability in all challenging conditions of use.

Ahlstrom Munksjö Trinitex® HVAC & Pleat2Save™ – Key Grade Characteristics

	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**
P2S-M5	65	M5	ePM10 50%	500	13	1800	0.6
K949 70	70			620	10	1900	0.4
P2S-M6	65	M6	ePM10 65%	500	20	1600	0.6
K971 70	70			580	19	1700	0.4
P2S-F7	65	F7	ePM2.5 50% and ePM1 50%	500	27	1800	0.6
K972 70	70			570	29	2000	0.5
P2S-F8	65	F8	ePM1 70%	450	44	1800	0.6
K973 70	70			550	40	2200	0.5
P2S-F9	65	F9	ePM1 80%	450	65	2000	0.6
K974 70	70			520	60	2500	0.5

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