



**AHLSTROM
MUNKSJÖ**



Ahlstrom-Munksjö High Efficiency Air

Purifying air, protecting patient's health and critical production processes

Quality of air entering clean rooms is a major element of protection, safety and productivity in many critical applications such as hospital, pharmaceuticals, microelectronics, food processing. Ahlstrom-Munksjö EPA / HEPA / ULPA filter media protects people and products from most pollutants in ambient air, preventing airborne microbiological and particulate contamination.

Ahlstrom-Munksjö Glass High Efficiency Air (HEA) portfolio is based on our glass microfiber technology platform delivering excellent media uniformity and best particulate efficiency for a complete range of highly reliable filtration solutions. With a customizable structure, it combines low pressure drop and high dust holding capacity with superior processing performances.

Benefits

- ✔ **Complete and reliable range of efficiency** - from E10 to U17 (EN1822).
- ✔ **Low to lowest pressure drop** - reducing energy consumption.
- ✔ **High dust holding capacity** - extending service intervals.
- ✔ **Excellent pleatability** - increasing productivity.
- ✔ **Proven ability to customize** - for enhanced protection and air purification

Ahlstrom-Munksjö Glass High Efficiency Air

Our Glass HEA offer covers a wide range of full mechanical efficiency media from E10 to U17 according to EN1822 standard and a complement range for Americas based on MIL-STD-282 testing method. Portfolio is characterized by low pressure drop and high dust holding capacity, plus superior media uniformity which guarantees reliable filtration performances along the filter life. Stiffness and mechanical resistance are optimized in order to deliver improved productivity during the filter manufacturing process; an excellent choice for deep-pleat and mini-pleat applications. Ahlstrom-Munksjö Glass HVAC portfolio can be offered with an upstream laminated functionalized spunbond, delivering anti-bacterial and anti-fungal properties, according to the standards: AATCC TM100, JIS L 1902:2008 and EN ISO 846:2019 Part A, B and C.

Key Grade Characteristics

Grades	Basis Weight	Efficiency Class		Thickness	Pressure Drop @ 5.3 cm/s	MD Tensile	MD Stiffness
	g/m ²	EN1822 @ 1.7 cm/s	% Efficiency 0.3 µm @ 5.3 cm/s	µm	Pa	N/m	g
DOPH1001	72	E10	-	430	80	1200	0.9
DOPH1003	72	-	87	430	85	1200	0.9
DOPH1101	72	E11	-	430	100	1200	0.9
DPOH1103	72	-	95	430	115	1200	0.9
HEPH1201	72	E12	-	420	215	1200	0.9
HEPH1203	72	-	99.92	420	235	1200	0.9
HEPH1301	72	H13	-	420	255	1200	0.9
HEPH1303	72	-	99.97	420	280	1200	0.9
HEPH1401	75	H14	-	450	320	1200	1.0
HEPH1403	75	-	99.99	450	325	1200	1.0
ULPU1501	75	U15	-	450	390	1200	1.0
ULPU1601	78	U16	-	470	440	1200	1.0
ULPU1701	78	U17	-	470	530	1200	1.1

Our flexible production platform opens a complete panel of customization to meet most demanding applications requirements:

- **High permeability** media for filters with the best energy rating.
- **Higher synthetic content** (SYN) or increased basis weight for maximal pleating performances.
- **Dual-layer design** for a 2 in 1 filter with fine pre-filtration for savings or longer lifetime.
- **Functional surface treatments** as enhanced water/oil repellence or dissipative properties.
- **Wide range of multi-layer design** using our state-of-the-art lamination capability.

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