

# Cabin Air Filter Media

Breathe easy. Protect your family's health.

**Ahlstrom-Munksjö delivers a complete portfolio of cabin air filter media based on proprietary Trinitex® technology, for both particulate filtration and combined gas adsorption.**

Cabin air filters are designed to improve air quality inside vehicles by filtering particles and gases, protecting the passengers and improving the driving comfort. Additionally, they protect the heating and air conditioning system from dirt and debris. Ideal for OEM, OES and aftermarket.

## **SafeCabin® for particulate filtration**

High protection against coarse and fine particles such as pollen, dust, soot, bacteria, PM2.5.

## **SafeCabin® Carbon for combined particulate, gas and odor removal**

Due to high performance activated carbon, the filter media provides increased protection by also removing, gases such as ozone, benzene, SOx, NOx and odors.

## **Benefits**

- ☑ **Excellent pleatability, including on rotary pleater** – increasing productivity and filter quality.
- ☑ **Ability to combine gaseous and particles removal** – delivering a unique 2 in 1 solution.
- ☑ **Optimal gas absorption capacity and reliability** – extending operational filter lifetime.
- ☑ **Anti-microbial (“Blue”) features** – available on demand across the whole portfolio.
- ☑ **Proven ability to customize** – using extensive and demonstrated know-how.

## Ahlstrom-Munksjö SafeCabin® Product Portfolio

Our portfolio covers a wide range of basis weights offering consistent efficiency along the filter life, filtration homogeneity and reliability. Options include flame retardancy and high permeability properties.

### Particulate Cabin Air Portfolio (AM)

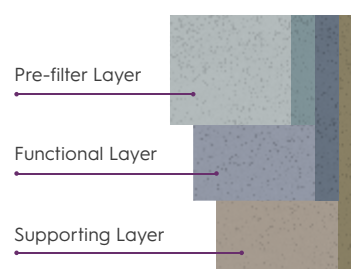
					DIN 71460-1 with ISO A2 fine dust, 0.2m/s	
Main Grades	Basis weight	Thickness	Air Permeability	MD Stiffness	Initial Fractional Efficiency	Dust Holding Capacity
	g/m <sup>2</sup>	µm	L/m <sup>2</sup> /s @200 Pa	mg	% at 0.5 µm	g at 200 Pa
<b>SafeCabin® 80 HC</b>	80	730	4,500	1,000	30	62
<b>SafeCabin® 100</b>	100	620	1,800	1,300	30	28
<b>SafeCabin® 100 FR</b>	100	850	2,600	1,000	25	48
<b>SafeCabin® 120</b>	120	700	1,300	2,000	36	33

SafeCabin® portfolio can be offered with a proprietary anti-bacterial and anti-fungal properties ("Blue") according to the standards AATCC TM100, JIS L 1902:2008 and EN ISO 846:2019 Part A, B and C.

### Ahlstrom-Munksjö SafeCabin® Carbon Product Portfolio

Proprietary Trinitex® wetlaid technology is a 3-layer structure incorporating granular activated carbon in the middle layer. Intrinsically flame retardant, SafeCabin® Carbon filter media delivers excellent pleating performance, low carbon dusting, optimal adsorption and good behavior in all operating conditions.

SafeCabin® S Carbon is the new, full synthetic product range, designed for customers with the highest permeability requirements. These media can be laminated with a high efficiency "Charge" layer reaching up to 90% removal of 0.5µm particles to match OEM specifications.



### Carbon Cabin Air Portfolio (AM & OEM)

					DIN 71460-1 w/ ISO A2 fine dust, 0.2m/s	DIN 71460-2 w/ 80ppm 0.1m/s, 50% RH	
Main Grades*	Basis Weight	Thickness	Air Permeability	MD Stiffness	Initial Fractional Efficiency	Carbon Content	Initial Break-Through Toluene
	g/m <sup>2</sup>	µm	L/m <sup>2</sup> /s @200 Pa	mg	% at 0.5 µm	g/m <sup>2</sup>	%
<b>SafeCabin® Carbon 170</b>	170	1,150	2,100	3,400	31	62	66
<b>SafeCabin® Carbon 200</b>	200	1,000	2,100	2,200	13	133	52
<b>SafeCabin® Carbon 250</b>	250	1,250	1,900	5,000	18	167	38
<b>SafeCabin® S Carbon 300</b>	300	1,700	1,800	4,000	30	187	43
<b>SafeCabin® S Carbon 400</b>	400	2,000	1,800	3,700	43	310	25
<b>SafeCabin® S Carbon 500</b>	500	2,500	1,400	5,000	50	387	6
<b>SafeCabin® S Carbon 340 Charge</b>	340	1,900	1,000	4,800	>90	187	43
<b>SafeCabin® S Carbon 440 Charge</b>	440	2,100	1,000	3,800	>90	310	25
<b>SafeCabin® S Carbon 540 Charge</b>	540	2,700	900	4,300	>90	387	6

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### Ahlstrom-Munksjö FilteV® Cabin

Ahlstrom-Munksjö has completed its Cabin Air portfolio by a new range of high performance media for electric vehicles, which meet up to the most demanding requirements. Focusing on highest particulate efficiency and best adsorption performances, FilteV® Cabin offering is presented in a specific sell sheet, available on demand.

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