



Particulate Cabin Air Filter Media

Breathe easy. Protect your passenger's health.

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

Ahlstrom Particulate Cabin Air portfolio covers a complete range of efficiency, preventing coarse, fine and ultrafine particles from entering the vehicles' cabin.

SafeCabin® Platform - our unique single step 3-layer technology against coarse and fine particles.

SafeCabin® Charge - a laminated solution designed to ensure highest efficiency level protecting against fine and ultra fine particles.

Benefits

- ✔ **Complete and reliable range of efficiency**
- up to 99.97 % at 0.5 µm (DIN 71460-1)
- ✔ **Excellent pleatability** - increasing productivity and filter quality
- ✔ **Ability to combine gaseous and particles removal** - delivering a unique 2-in-1 solution
- ✔ **Proven ability to customize** - backed by extensive expertise and a strong track record

Ahlstrom SafeCabin®

SafeCabin® for particulate filtration is a **3-layer gradient filter media** designed to deliver consistent efficiency throughout the filter's lifespan and enables **excellent pleatability**. The "HC" series has been specifically developed to provide **higher permeability and outstanding dust holding capacity**. Both media are available in a flame-retardant version (FI according to DIN5438).

Additionally, the SafeCabin® portfolio can be enhanced with proprietary **anti-bacterial and anti-fungal properties**, tested according to the standards AATCC TM100, JIS L 1902:2008, and EN ISO 846:2019 Parts A, B, and C.

Key Grade Characteristics

						DIN 71460-1 with ISO A2 fine dust, 0.2m/s
	Basis weight	Thickness	Air Permeability	MD Stiffness	Initial Fractional Efficiency	Dust Holding Capacity
Grades	g/m ²	µm	L/m ² /s @200 Pa	mg	% at 0.5 µm	g at 200 Pa
SafeCabin® 80HC	80	730	4,500	1,000	10	62
SafeCabin® 80HC FR	80	700	4,750	700	10	64
SafeCabin® 100	100	620	1,800	1,300	20	28
SafeCabin® 100FR	100	850	2,600	1,000	20	48

Ahlstrom SafeCabin® Charge

SafeCabin® Charge is a laminated filter media solution that combines **an electrostatically charged efficiency layer** delivering EPA-level with a supportive layer that **ensures excellent pleatability to the final solution**. This supportive layer can be customized **with flame-retardant and antimicrobial properties** to meet specific application requirements.

The portfolio offers two distinct efficiency levels, both characterized by **a very high permeability**.

Key Grade Characteristics

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Grades	g/m ²	µm	L/m ² /s @200 Pa	mg	% at 0.5 µm	g at 200 Pa
LAT0875105NW20	105	870	730	600	97	11
LAT0875115NW21	115	930	400	650	99.97	10

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