Solutions for Cabin Air Filtration

Cabin air filtration is essential in protecting the health and safety of vehicle passengers and drivers by helping remove harmful pollutants and improve Vehicle Interior Air Quality (VIAQ).

Although most individuals only spend one or two hours a day driving, up to half of the exposure to harmful pollutants can happen during that time.

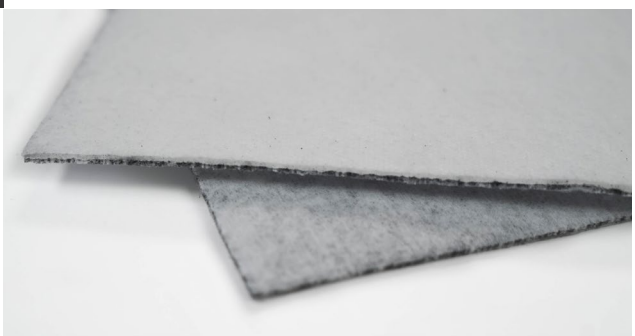
Cabin air filtration is crucial in all types of vehicles: Cars (ICE, EV, Hybrid), Heavy-Duty Trucks, Commercial vehicles, Buses, Trains, Off-Road vehicles, and Agricultural and Aerospace applications.

It ensures protection for vehicle occupants from particulate and gaseous pollutants coming from both the outside environment and the inside of the vehicle.

Contaminants coming from the outside are different types of particles, including the most dangerous fine particles (PM 2.5, PM 1), as well as various gases, odors and VOCs such as Sulfur dioxide, n-Butane, Toluene, Ammonia, Nitrogen Oxide, and Aldehydes.

At the same time, interior parts, like fabrics, carpets, dashboards, window sealants, adhesives, and plastics, all off-gas chemicals and volatile organic compounds (VOCs) adding to the air pollution inside a vehicle.

The heart of a Cabin Air Filter is the Filter Media:
The engineered material that largely determines the performance and reliability of the filter.

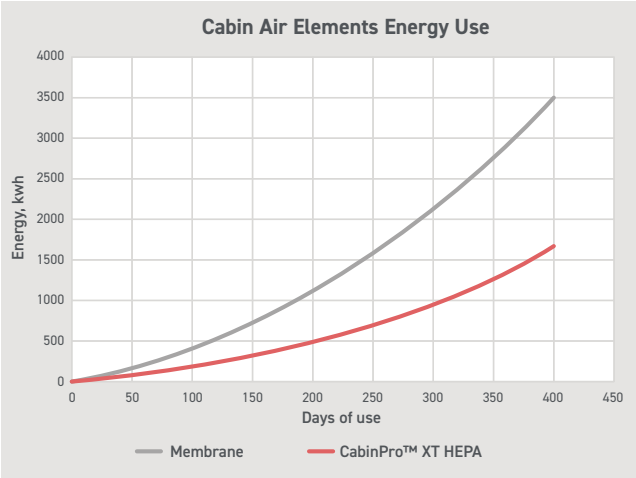


Hollingsworth & Vose is an expert provider of cabin air solutions. Through our ability to innovate and partner with our customers, we can deliver highly efficient cabin air filtration solutions which offer reliable protection from harmful contaminants for vehicle drivers and passengers.

H&V CabinPro™ Solutions

H&V's CabinPro™ Solutions encompass a wide variety of particulate, adsorption, and combination media providing different benefits depending on the application needs, like:

- Best in class **high efficiency**
- **Lower pressure drop** or much higher **dust holding capacity (DHC)** than other high-end products on the market, **prolonging** filter **service life** and **conserving energy in vehicles**
- **High durability** and **pleatability** at different pleat heights allowing for **superior processability** and **filter design flexibility**



CabinPro™
A Hollingsworth & Vose Innovation

CabinPro™ ET

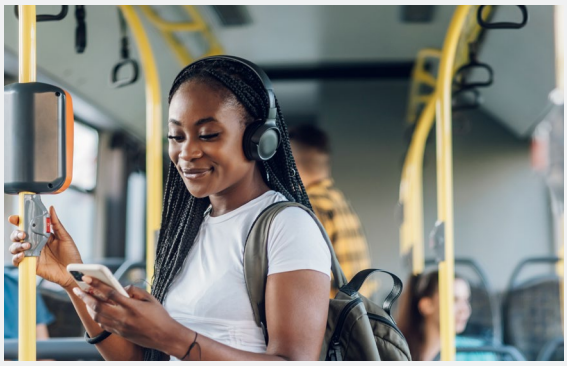
Standard Protection Level

- From entry level performance Meltblown media, to higher performing Meltblown Combination media and Technostat® solutions
- For effective particulate as well as gas, odor, and VOC removal

CabinPro™ MT

Advanced Protection Level

- Particulate, Composite and Combination media featuring patented H&V's AlphaPerm™ and Technostat® technologies as well as different performance levels of activated carbon media
- For the next level in removing dangerous particles as well as numerous gases, odors, and VOCs



CabinPro™ XT

Superior Protection Level

- Up to HEPA efficiency (EN1822, ISO29463) high-performing particulate media, as well as multilayered Composites featuring Technostat®, AlphaPerm™, and NanoWeb™ Technologies and various combinations with high-performing Carbon Adsorption Layers
- For best-in-class protection against different particles including fine particles (PM1, PM 2.5) as well as various gases, odors, and VOCs such as Sulfur dioxide, n-Butane, Toluene, Ammonia, Nitrogen Oxide, and Aldehydes

Contact Us to Learn More

About Hollingsworth & Vose

Hollingsworth and Vose is a global manufacturer of advanced materials used in filtration, battery, and industrial applications. Family-owned for seven generations, the company's origins go back to the early 1700s and we have evolved continuously since that time.

Today, H&V's advanced materials contribute to a cleaner world through their use in products that provide clean air, clean liquids, and energy storage. Our Company is headquartered in East Walpole, Massachusetts USA, with 13 manufacturing and research & development facilities in the Americas, Europe, China, and India.