

# Cabin Air Filtration

Cabin air filters are pleated units made of specialty materials designed to help remove harmful pollutants from the surrounding air. As air moves through a vehicle's HVAC system, the cabin air filter traps allergens, dust, debris, and more before the air moves into the interior of the vehicle. This type of filtration is crucial in all types of vehicles, as it ensures a healthier cabin air environment. Although most individuals only spend one or two hours a day driving, you get up to half your exposure to pollutants during that time.

H&V is an expert provider of cabin air solutions. Through our ability to innovate and partner with our customers, we can deliver the optimal cabin air filtration solution for cars, trucks, construction equipment, agricultural vehicles, and more. Our highly efficient single or multi-layered filter media offer reliable protection from harmful contaminants for vehicle drivers and passengers.

## About Hollingsworth & Vose

Hollingsworth & Vose is a leader in high-quality filtration materials designed to control contamination, temperature, and humidity. At H&V, we understand that HVAC and cleanroom systems that condition and filter indoor air need to be energy-efficient and reliable. Our cutting-edge patents and people-centric service allow us to deliver the solutions you need to ensure optimal air quality for industrial HVAC, cabin air, and commercial applications.

## Hollingsworth & Vose Cabin Air Filtration Solutions

H&V creates dynamic filtration solutions for everyday work vehicles, HD trucks, buses, consumer cars, and

more. Whether you require basic, entry-level solutions or high-performance composite structures, we can provide the filtration solution you need.

## Why Do We Need Cabin Air Filters?

The quality of air in your cabin can potentially be worse than the outside air. To avoid high pollution levels inside vehicles, cabin air filters work to remove contaminants coming/originating from both inside and outside the vehicle. Cabin air filters work to:

- Improve passenger health by removing dust, gases, VOCs, and other particulates
- Improve passenger comfort by protecting against allergens, odors, and ozone
- Improve driving safety by preventing window fogging, decreasing driver distractions, and reducing drowsiness



At H&V, we're committed to combating car pollutants, and we provide multiple types of cabin air filter media, including:

**Particulate filter media.** Our AlphaPerm™, Technostat®, and NanoWeb™ filter media protect against fine dust, debris, pollen, and a variety of harmful pollutants larger and smaller than 2.5 micrometers.

**Adsorption filter media.** Our gas phase filter media can remove molecules that escape traditional cabin filtration media.

**Combination media.** We're capable of combining AlphaPerm™, Technostat®, and NanoWeb™ to create a solution that delivers the market's highest particulate efficiency at the lowest possible pressure drop.

## H&V Filtration Brands & Features

H&V has multiple patents for leading filtration technology, including:



**Technostat®.** Our Technostat filtration media offers an IAQ (Indoor Air Quality) solution for the increasing requirements of cabin air, commercial, industrial, and residential HVAC markets. It offers higher efficiency for capturing small particles, low pressure drop, energy efficiency, and long shelf life. It also features

an optimum filter design that delivers many desirable characteristics and the ability to perform in highly regulated applications.



**Nanoweb™.** H&V's patented fine fiber filtration solution provides best-in-class mechanical filtration performance with a low total cost of ownership. It also features flame retardancy, excellent processability and pleatability, outstanding durability, and very low pressure drop. This makes it ideal for cabin air, appliances, cleanroom, HVAC, gas turbine, and many other high-efficiency filtration applications.



**AlphaPerm™.** This cutting-edge filtration solution is often used for N95 respirators, appliances, cabin air filters, HVAC, and many other applications. AlphaPerm offers extremely low pressure drop at high levels of efficiency, superior comfort, low noise levels, and low energy consumption.

## Contact H&V to Learn More

We spend hours each day in our vehicles, and H&V believes those hours should be filled with fresh, clean, and healthy air. Our industry-leading solutions can help you ensure the highest level of cabin air quality for a safe and comfortable driving environment. [Contact us](#) to learn more.