

Commercial & Industrial Indoor Air Quality

The quality of the air in commercial buildings, offices, schools, and other built environments can greatly impact occupant comfort, well-being, and productivity. Environmental and man-made pollutants are common sources of poor indoor air quality (IAQ) that can lead to a range of adverse human health effects and illnesses when left unchecked.

Ensuring the cleanliness of the air in commercial and industrial buildings provides an enhanced sense of comfort, health, and wellness for occupants and has been shown to increase employee and student performance. To combat pollutants and create a safe and productive indoor environment, many industries and building owners rely on indoor air filtration to reduce exposure to sub-micron particles, including fine dust, VOCs, mold, and other biological contaminants.

As a leader in the field of filtration solutions, H&V is dedicated to delivering high-efficiency filter media that improves indoor air quality and creates healthier and more energy-efficient buildings. Our industry-defining line of technologies and products are designed to create cleaner and more sustainable commercial and industrial environments where employees, students, visitors, and residents can thrive.

About Hollingsworth & Vose

H&V is a world-leading provider of quality filtration materials designed to remove contaminants at the lowest possible pressure drop while extending the life of the filter. With over 100 years of history behind our products, H&V produces a wide array of materials for commercial and industrial HVAC systems globally. We understand the importance of indoor air quality to human health and safety. Our filter media will deliver reliable and energy-efficient solutions designed to reduce a wide range of contaminants from the air.

Commercial & Industrial HVAC Filtration Solutions

HVAC air filters work tirelessly to remove airborne irritants, dust, and fine particle pollutants in commercial and industrial environments. H&V glass, 100%-synthetic, and adsorptive HVAC filter media options exceed global standards for filtration while offering immense energy savings due to a lower pressure drop than leading manufacturers. Our industrial and commercial HVAC filtration brands include Technostat®, Nanoweb™, NanoWave®, and AlphaPerm™ and can be utilized in a number of applications including pleated panel filters, V-bank filters, and pocket air filter constructions.



H&V Filtration Brands & Features

H&V has patented multiple cutting-edge filtration technologies which can be utilized in indoor air quality filtration solutions including:



Technostat®. Technostat is a leading electret filter media capable of attracting sub-micron particles at very low-pressure drops, making it an ideal media for HVAC panel filters. Our patented design allows for maximum airflow while attracting and capturing fine dust particles, air contaminants, and aerosols. Technostat® offers a cost-effective solution versus other media types as pleat count can be kept low or not be pleated at all in applications like medical ventilators, spirometry, CPAP and respirators among others. For the end-user, low pressure drop translates into energy savings while meeting stringent filtration requirements.



Nanoweb™. This patented fine fiber solution offers low-pressure drop, high mechanical efficiency, and best in class durability resulting in low total cost of ownership. Nanoweb™ also features high processability and pleatability, and 40% lower pressure drop than traditional microfiber glass media, which makes it suitable for commercial and industrial HVAC solutions along with other high-efficiency applications including cleanroom, gas turbine, cabin air, and vacuum cleaners.



NanoWave®. Our renowned NanoWave® technology is an extended surface area synthetic filter media featuring our patented "waved" design. This filtration solution protects against hazardous air pollution and fine particles by providing clean air while also lowering energy consumption in commercial, industrial, and residential facilities. NanoWave® is an optimal media for use in HVAC pocket air filters for air handler units.

Contact H&V to Learn More

H&V is committed to helping industries, building owners, and facilities managers reduce pollutants to protect workers, students, and building occupants. With our wide range of available filtration products, we can work with you to determine the ideal solution to ensure optimal commercial and industrial air quality outcomes. To learn more about our innovative filtration technologies, [contact us](#) today.