

Kimberly-Clark Odor Control Filtration Media

INTREPID® 508GP

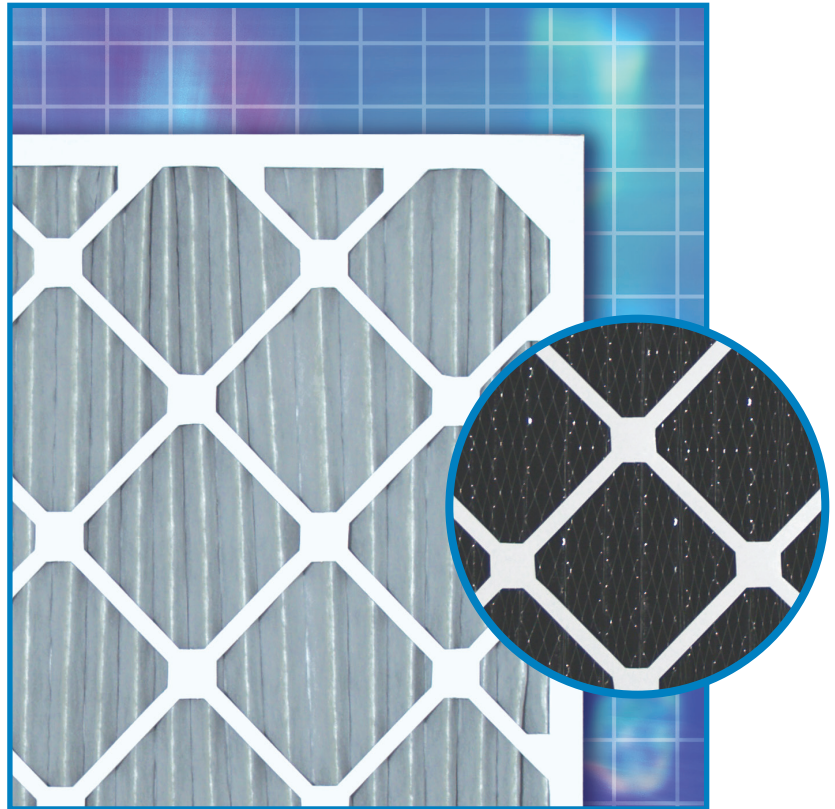
Kimberly-Clark INTREPID® Odor Control Filtration Media brings together excellent particulate filtration performance with added odor removal technology to deliver clean, fresh, odor-free air to your building¹. Filters with this media are an excellent choice for odor control in applications such as restaurants, gymnasiums, fitness centers, beauty salons, doctor's offices, laboratories, pet stores, veterinary clinics, and many more.

Filters with INTREPID 508GP media also make excellent pre-filters for multistage systems. This allows building owners to add odor control technology to their system by placing it in pre-filters rather than in much more expensive final filters. And, since pre-filters are changed more often you always have fresh odor technology in your system.

Using air filters with INTREPID Odor Control media may also help you qualify for LEED® credit under the LEED-EB program. Credits may be gained under EA-1 Optimize Energy Performance, EA-5.4 Performance Measurement: Emission Reduction Reporting, IEQ-3 Construction IAQ Management Plan, IEQ-4.1 Documenting Productivity Impacts, and IEQ-9 Contemporary IAQ Practice. Consult the USGBC LEED-EB program Web site for more details.

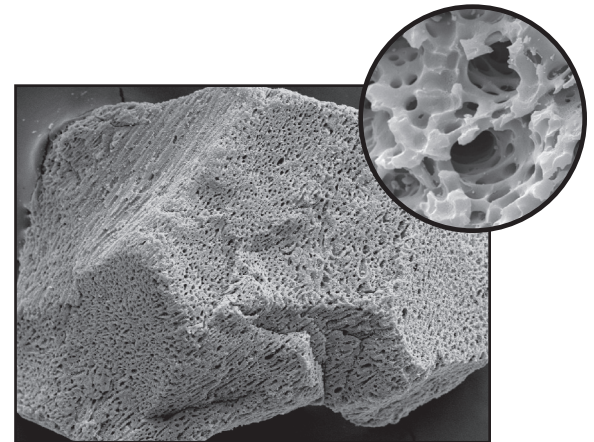
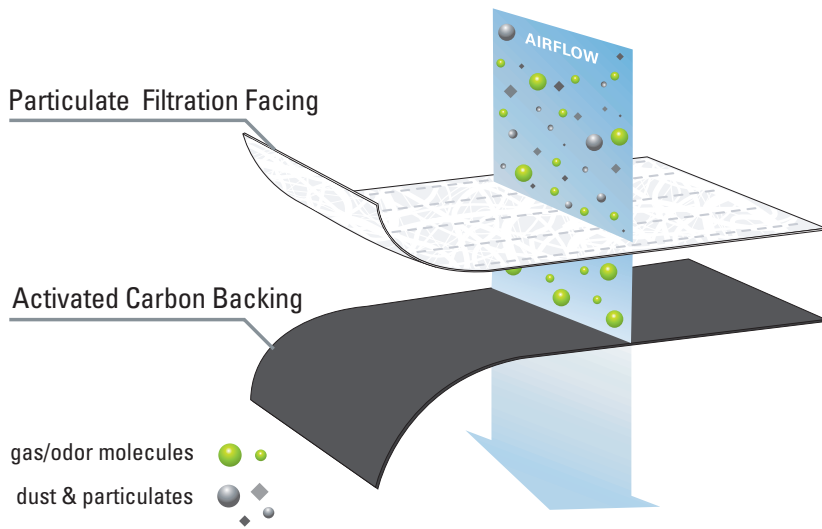
Features:

- Delivers excellent particulate filtration performance²
- Designed to remove odors and irritant gasses from the HVAC system air stream
- Two stage filtration construction
 - The upstream layer provides excellent particulate filtration and protects carbon from particulate loading, to ensure maximum odor removal capability
 - The downstream layer is optimized for rapid adsorption and retention of gaseous contaminants from the airstream
- 100% synthetic filtration media in particulate and gas phase components
- Thermal bonding of all components to prevent fiber or carbon shedding
- Available for 1", 2", and 4" pleated air filters
- Excellent pleatability for sharp, crisp pleats



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Filtration Products



SEM of Activated Carbon Particle

How does carbon work?

Activated carbon is made from a variety of high carbon-content substances including coal, wood, coconut shells and bamboo. On a microscopic level, activated carbon looks and acts much like a natural sponge. Activated carbon particles are highly porous and have a vast amount of surface area (one gram of activated carbon may have a surface area exceeding 1,000m²). As odor molecules come into contact with the carbon, they are drawn into the carbon and held into place by a variety of forces – similar to a magnetic or gravitational attraction. Carbon-based odor molecules have a high affinity for bonding with the activated carbon because it lowers overall surface energy. Of all the absorbents known, activated carbon is one of the strongest physical absorbents, so it is an excellent material for creating a fresh and clean-smelling environment by removing odors from the air.

Activated Carbon Air Filters are effective with the following types of odors:

- Alcohols
- Household smells
- Cigarette smoke
- Organic chemical odors
- Cosmetics & perfumes
- Combustion exhausts
- Body odors
- Musty or stuffy odors
- Cleaning agents
- Paint, remodeling & refinishing odors
- Antiseptics & soaps
- Liquid fuels
- Cooking odors
- Pet odors

* Important Manufacturing Note: All in-process gas phase media and air filters should remain sealed in poly bags or stretch-wrap to prevent adsorption of ambient gases from the environment



NAFA Member
ASHRAE Member



Kimberly-Clark

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¹When applied appropriately with NAFA's recommended protocol for indoor odor control; a) source control, b) ventilation control, c) filtration

²When incorporated into well constructed pleated filters at => 15 pleats per foot

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