



# Molecular Filtration

Activated and impregnated carbon filters for odor and gas phase contaminant removal



Activated and impregnated carbons have long been used in filtration systems for the removal of gas phase contaminants that easily pass through particulate filters. Whether your objective is to protect your people, process, or product, Filtration Group's broad line of Molecular Filters includes a solution to your challenge.



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**FILTRATION GROUP**

# Molecular Filtration

For applications experiencing low levels or occasional nuisance odors, including cigarette smoke and ozone, the new **Series 550 Pleat** provides performance that far exceeds that of traditional carbon slurry pleats, but at the same price. These are widely used in commercial office buildings, casinos, and shopping centers.

If you have higher levels or continuous contamination, then the **Honeycomb Panel**, **Carbon FP**, or even a **Carbon Sorb Housing** will address the problem. These products utilize bulk granular carbon that has tremendous capacity when high efficiency removal is not required. These products are popular in industrial and urban settings.

When your critical environment is experiencing continuous or intermittent low level contamination, count on the **HEGA™** line for high efficiency removal and extended filter life. These products have proven themselves in challenging settings such as cleanrooms, hospitals, airports, casinos, libraries, and sports arenas.

In particle filtration, filters are used in series to achieve desired levels of cleanliness. For instance, a MERV 8 pleated filter is used upstream of a MERV 14 mini-pleat so that each filter is used to its fullest potential. In molecular filtration, the same principles apply. For instance, you can use the Carbon Sorb Housing or Carbon FP to knock down higher levels of contaminants, and then polish off the reduced levels with a HEGA filter. This extends the life of the HEGA filter, by using the capacity of the granular systems to remove the bulk of the contaminant.

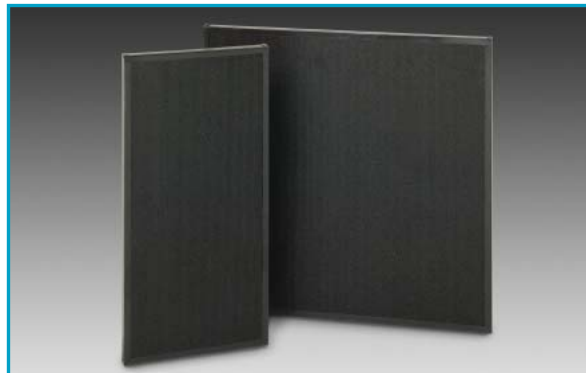
Keep in mind that every application is unique, with “carbon” filtration being affected by contaminant and level, temperature, humidity and air flow. The Filtration Group team is anxious to help you address your unique situation.

## Housings



### Carbon Sorb Housings

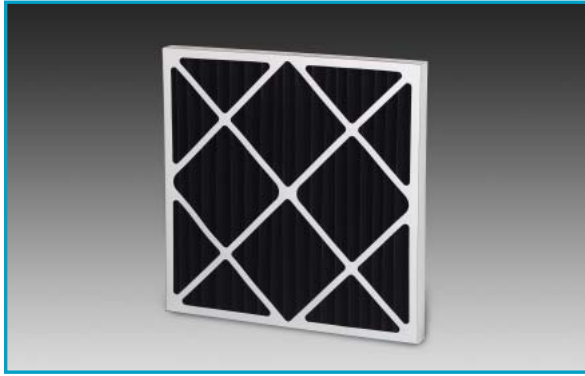
- Available in 16 ga galvanized or 304L stainless
- Designed for 2" or 4" prefilter with 3/4" carbon trays
- Rated for 500 fpm face velocity
- Two doors for easy access
- No clips or extra gasketing required
- Flange for installation to ductwork
- Optional features available



### Refillable Trays

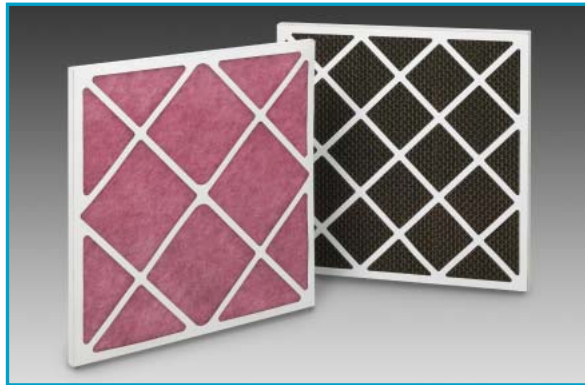
- Designed to work with Aerostar Carbon Sorb housing
- Available empty or with media
- Each tray holds 0.25 cubic feet of media
- Media includes activated carbon, impregnated carbons, and blends
- Media available in easy-to-handle cubic foot boxes

## Disposable Filters



### Series 550 Pleat

- 1", 2", and 4" pleats
- Utilizes patented AQF media from BBA Fiberweb
- 200 gsm carbon loading
- No particle shedding
- MERV 6 per ASHRAE Standard 52.2
- Moisture-resistant fiberboard frame
- Individually packaged in sealed bags
- Special sizes available



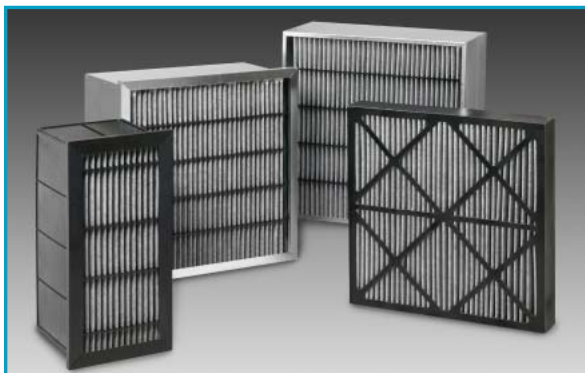
### Honeycomb Panels

- 1" and 2" panels
- 100% fill for single pass systems
- 50% fill for pressure drop limitations
- Variety of media available
- Integrated particulate filter available
- Moisture-resistant fiberboard frame
- Individually packaged in sealed bags
- Special sizes available



### Carbon FP

- Four sizes available
- 100% fill for maximum efficiency and filter life
- Up to 24 lbs of media in full size
- Variety of media available
- Sturdy HIPS and galvanized frame with support rods
- Individually packaged in sealed bags
- Great roughing filter for HEGA products



### HEGA™ Filters

#### (High Efficiency Gas Adsorbers)

- 2" and 4" pleats in moisture-resistant fiberboard
- 12" pleats in galvanized box and headered frames
- 12" pleats in HIPS header frames (9 sizes)
- Pleat stabilizers on 12" pleats
- Four engineered media grades from AQF
- 500 gsm carbon loading
- No particle shedding
- Individually packaged in sealed bags
- Special sizes available

## Filtration Group Facilities



“We will provide quality products that meet or exceed our customers’ expectations while we pursue continuous improvements.”

## Broad Product Offering

HVAC

Industrial Dust & Liquid

Molecular

Paint & Finishing

Cleanroom

Bio-Safety & Cleanbench

Filter Media & Nonwovens

Power Systems

Safety & Engineered Products

## Customer Focused

In-house technical experts

Rapid prototyping

Flexible production

In-house testing

E-commerce

Preferred stocking programs

Extensive distribution network throughout North America

Dedicated customer support



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