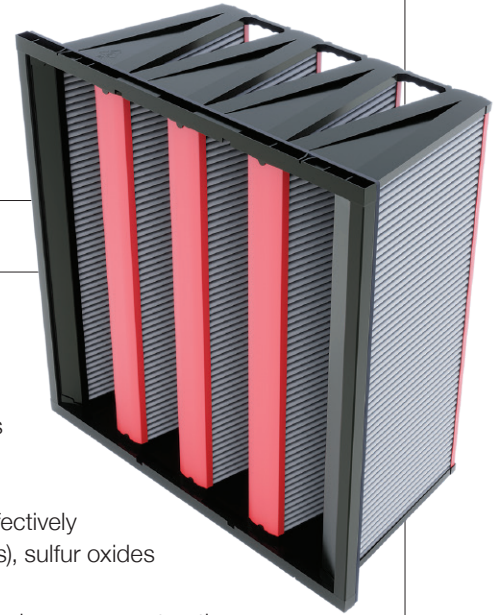


VariSorb® XL

HIGH-EFFICIENCY GAS-PHASE FILTERS



Benefits

- **Superior Gas Removal** – Pleated media with ultra-fine carbon captures more contaminants, faster
- **Lower Energy Consumption** – Low pressure drop reduces HVAC load and energy use
- **Cleaner, Safer Operation** – Stable media minimizes dusting and carbon release
- **Extended Filter Life** – Optimized design means fewer changeouts and lower maintenance
- **Flexible, Hassle-Free Integration** – Fits standard 12" slots for easy retrofit or new installs

Designed for

- **Facilities Managers** – Maintain indoor air quality and odor control without extensive HVAC modifications
- **Building Engineers & Operations Teams** – Optimize system performance in environments with gas or odor challenges
- **Maintenance, Repair & Operations (MRO) Staff** – Simplify changeouts and extend filter service life
- **Environmental Health & Safety (EHS) Leaders** – Support compliance with IAQ and sustainability standards
- **Building Owners & Property Managers** – Protect occupants and assets in facilities exposed to gaseous pollutants such as VOCs, SO_x, NO_x, and ozone

Targeted Protection Against Gaseous Air Pollutants

The VariSorb XL delivers high-efficiency removal of harmful gaseous contaminants to help create a safer, healthier indoor environment. Designed for the air quality challenges found in populated areas, it effectively targets volatile organic compounds (VOCs), sulfur oxides (SO_x), nitrogen oxides (NO_x), and ozone.

Whether upgrading an HVAC system, planning new construction, or replacing standard 12" filters, the VariSorb XL offers an effective solution with measurable IAQ improvement.

Next-Generation Media for Superior Adsorption

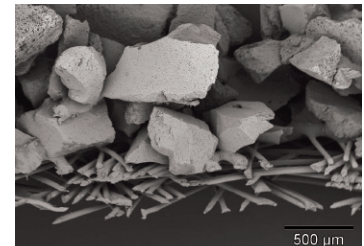
The VariSorb XL filter contains proprietary pleated media that delivers exceptional gas-phase filtration. The media's ultra-fine, high-activity carbon granules are embedded in a fiber matrix that maximizes adsorption performance. Compared to traditional granular bed filters, the VariSorb XL offers:

- Greater surface area per pound of carbon
- Rapid, effective containment capture
- Reduced dusting for cleaner operation
- Minimal pressure drop and energy savings

Built for Performance and Durability

Each filter features a rugged V-bank design with High Impact Polystyrene (HIPS) cell sides, providing strength during shipping, installation, and operation. The all-plastic construction is fully incinerable, supporting fire safety protocols in industrial environments.

Pleated filter elements maximize surface area, enabling higher airflow capacity, lower resistance, and extended service life, without added strain on HVAC systems.



Microphotograph of filter media showing fiber-carbon matrix used to maximize available carbon surface area.

VariSorb® XL Filters

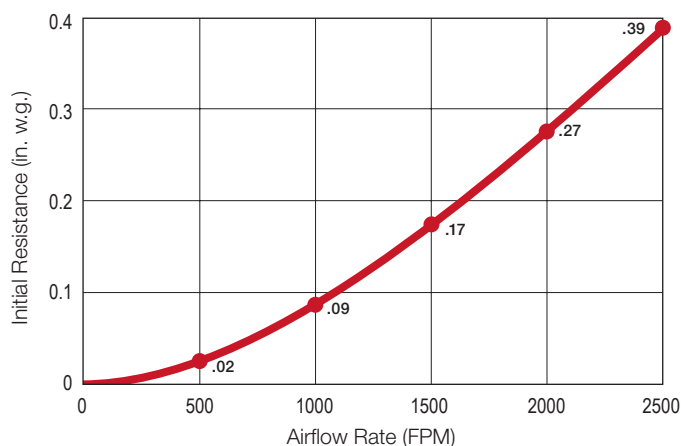
Product Information

Product Number	Nominal Size (in.)	Actual Size (in.)	Media Area (ft. sq.)	Per Filter Pounds. GAC-Wt.	*Initial Resistance (in. w.g.)		Final Resistance (in. w.g.)
					300 FPM	500 FPM	
VariSorb XL Filter (No Gasket)							
3189287-001	24 x 12 x 12	23¾ x 11¾ x 11½	28.0	4.6	.13	.27	1.5
3189287-002	24 x 20 x 12	23¾ x 19¾ x 11½	51.0	8.4	.13	.27	1.5
3189287-003	24 x 24 x 12	23¾ x 23¾ x 11½	63.0	10.3	.13	.27	1.5
VariSorb XL Filter (Gasket on air-leaving side)							
3189287-004	24 x 12 x 12	23¾ x 11¾ x 11½	28.0	4.6	.13	.27	1.5
3189287-005	24 x 20 x 12	23¾ x 19¾ x 11½	51.0	8.4	.13	.27	1.5
3189287-006	24 x 24 x 12	23¾ x 23¾ x 11½	63.0	10.3	.13	.27	1.5

*All performance data is based on ASHRAE 52.2 test method.

Performance Data

Initial Resistance vs. Airflow (based on 24 x 24 x 12 filter)



Specifications

Maximum Operating Temperature: 130°F (54°C)

Maximum Relative Humidity: 95%

Cell Sides: The molded end panels are made of HIPS. The extruded vertical components are made of Acrylonitrile Butadiene Styrene (ABS).

Media: Mini carbon granulate embedded between two non-woven synthetic layers.

UL Classified in accordance with UL Standard 900 and ULC-S111.

VariSorb® is a registered trademark of AAF International in the U.S. and other countries.



A range of products are available to remove gas-phase contaminants from the air, classified as low, medium, or high capacity. Low-capacity options include two-inch pleated filters with chemical media. Medium-capacity options use 12"-18" deep filters and cassettes. High-capacity systems feature loose-fill chemical media to eliminate high contaminant concentrations. Contact your local AAF Representative for more information.



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AAF International has a policy of continuous product research and improvement. We reserve the right to change design and specifications without notice.

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ISO Certified Firm

GPF-1-121G 10/25