

VariSorb® HC

HIGH CAPACITY DISPOSABLE GAS-PHASE FILTERS



- High chemical media content
- Low resistance V-bank design
- Corrosion-free, non-metal construction
- Available with SAAFCarb™, SAAFOxidant™, or SAAFBlend™ GP (50/50 Blend)
- Fully incinerable

The VariSorb HC filter is designed for the effective removal of common indoor and outdoor gaseous contaminants at high airflows, to help mitigate Indoor Air Quality (IAQ) problems. The VariSorb HC filter is suitable for retrofit into existing HVAC systems for specification in new construction, and can be used in equipment designed for 12"-deep, single header filters.

Construction

The VariSorb HC filter consists of eight 1"-deep panels assembled in a V-bank configuration. Constructed of plastic, the VariSorb HC filter features injection molded end panels made of High Impact Polystyrene (HIPS) and extruded vertical components made of Acrylonitrile Butadiene Styrene (ABS). All assembly is with non-volatile materials. The sturdy, corrosion free construction resists damage during shipping, handling, and operation.

Media

Choose from SAAFCarb media composed of activated carbon, SAAFOxidant media composed of a combination of activated alumina impregnated with potassium permanganate, or a blend of both. The media is contained in panels with a honeycomb structure. A fine mesh scrim on both sides of the panel retains the media granules in the honeycomb. SAAFCarb media effectively removes Volatile Organic Compounds (VOCs), jet and diesel fumes, and hydrocarbons. SAAFOxidant media effectively removes hydrogen sulfide, sulfur oxides, formaldehyde, and nitric oxides. For general purpose air quality control, SAAFBlend GP (50/50) media is recommended.

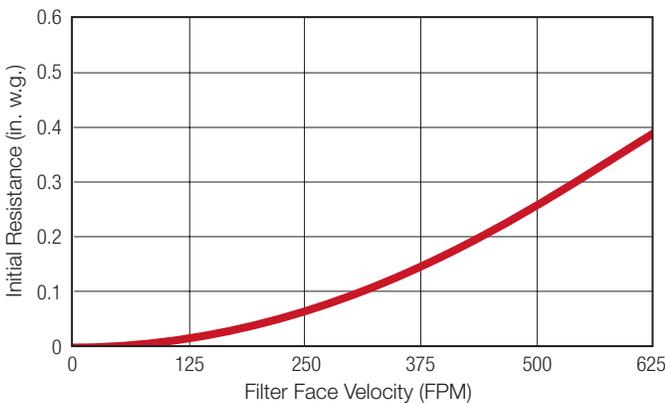
VariSorb® HC Filters

Product Information – Standard Sizes

Nominal Sizes (Inches) (WxHxD)	Actual Sizes (Inches) (WxHxD)	Rated Airflow Capacity (SCFM)			Media Weight (lbs.)		
		Low	Med	High	SAAFCarb	SAAFoxidant	SAAFBlend GP
24 x 12 x 12	23 ³ / ₈ x 11 ³ / ₈ x 11 ¹ / ₂	750	1000	1250	11	15	13
24 x 20 x 12	23 ³ / ₈ x 19 ³ / ₈ x 11 ¹ / ₂	1250	1650	2083	20	27	23
24 x 24 x 12	23 ³ / ₈ x 23 ³ / ₈ x 11 ¹ / ₂	1500	2000	2500	24	33	29

Performance Data

Initial Resistance vs. Filter Face Velocity



Specifications

Maximum Operating Temperature: 125°F (52°C)

Maximum Relative Humidity: 95%

Cell Sides: The molded end panels are made of HIPS. The extruded vertical components are made of ABS.

Part Numbers

411-500-319	12x24x12 VARISORB HC w/SAAF CARB
411-500-859	24x20x12 VARISORB HC w/SAAF CARB
411-500-863	24x24x12 VARISORB HC w/SAAF CARB
411-500-863-GH	24x24x12 VARISORB HC w/SAAF CARB W/GSKT
411-501-319	12x24x12 VARISORB HC w/SAAF OXIDANT
411-501-859	24x20x12 VARISORB HC w/SAAF OXIDANT
411-501-863	24x24x12 VARISORB HC w/SAAF OXIDANT
411-502-319	12x24x12 VARISORB HC w/SAAF BLEND GP
411-502-500	16x20x12 VARISORB HC w/SAAF BLEND GP
411-502-700	20x20x12 VARISORB HC w/SAAF BLEND GP
411-502-859	24x20x12 VARISORB HC w/SAAF BLEND GP
411-502-863	24x24x12 VARISORB HC w/SAAF BLEND GP
411-502-863-GD	24x24x12 VARISORB HC w/SAAF BLEND GSKT DS
411-502-863-GP	24x24x12 VARISORB HC w/SAAF BLEND GP W/GSK
411-503-319	12x24x12 VARISORB HC w/SAAF CARB MA
411-503-859	20x24x12 VARISORB HC w/SAAF CARB MA
411-503-863	24x24x12 VARISORB HC w/SAAF CARB MA



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.

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



9920 Corporate Campus Drive, Suite 2200, Louisville, KY 40223-5690
888.223.2003 | aafintl.com

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

©2025 AAF International and its affiliated companies.

ISO Certified Firm

GPF-1-126C 11/25