



*Better Air is Our Business®*

## **AmericanAirFilter® VariSorb® HC**

*High Capacity Disposable Gas-Phase Filter*

- *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 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**

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**

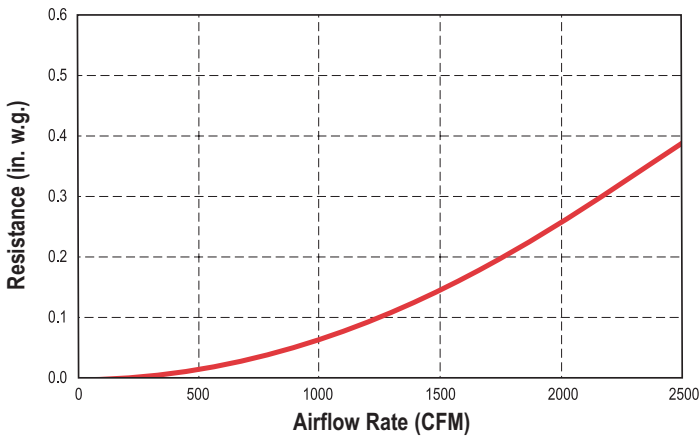
Choose from SAAFCarb media composed of activated carbon, SAAFOxidant media composed of a combination of activated alumina impregnated with potassium permanganate, or a blend of both. The media is contained in panels with a honeycomb structure. A fine mesh scrim on both sides of the panel retains the 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.

### Product Information – Standard Sizes

Nominal Sizes (Inches) (W x H x D)	Actual Sizes (Inches) (W x H x D)	Rated Airflow Capacity (SCFM)			Media Weight (lbs.)		
		Low	Med	High	SAAFCarb	SAAFOxidant	SAAFBlend GP
24 x 12 x 12	23 <sup>3</sup> / <sub>8</sub> x 11 <sup>3</sup> / <sub>8</sub> x 11 <sup>1</sup> / <sub>2</sub>	750	1000	1250	11	15	13
24 x 20 x 12	23 <sup>3</sup> / <sub>8</sub> x 19 <sup>3</sup> / <sub>8</sub> x 11 <sup>1</sup> / <sub>2</sub>	1250	1650	2083	20	27	23
24 x 24 x 12	23 <sup>3</sup> / <sub>8</sub> x 23 <sup>3</sup> / <sub>8</sub> x 11 <sup>1</sup> / <sub>2</sub>	1500	2000	2500	24	33	28

### 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 Acrylonitrile Butadiene Styrene (ABS).



SAAF™ cassettes, cartridges, and replacement panels are available across a complete range of pressure drop and removal efficiencies.