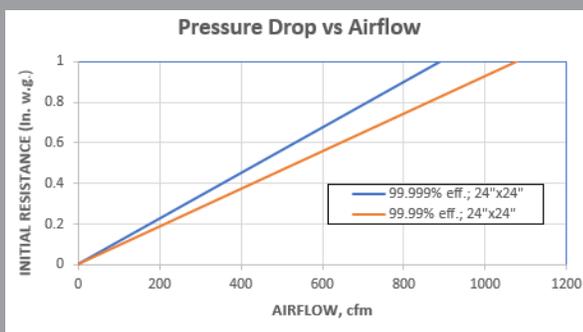




## Energy saving HEPA filter performance in a lightweight, easy to change design.



SC - Standard Capacity, 500 fpm  
HC - High Capacity, 600 fpm

The Camfil Absolute VG provides high-efficiency particulate air (HEPA) filtration for critical application processes. Its critical media mass, more than twice that of standard HEPA filters, ensures low resistance to airflow for optimal energy savings throughout the life of the filter and increased airflow for air-starved applications. The Camfil Absolute VG filter offers:

- Rated airflow capacity of up to 2400 cfm for a full size module.
- Resistance to airflow is only 1.0" w.g. pressure drop at rated velocities.
- Lightweight and installation friendly — all configurations weigh less than 30 pounds.
- Wet-laid water-resistant micro fiber glass media capable of withstanding up to 99% relative humidity.
- Exclusive controlled media spacing (CMS), a Camfil manufacturing method that ensures uniform airflow throughout the entire media pack.
- Up to 431 square feet of media, resulting in lower average pressure drop, longer periods between changes and lower disposal costs. Absolute VG may offer 3-4 times the life of a standard absolute filter.
- A one-piece seamless urethane gasket to ensure a leak-free filter-to-holding mechanism seal. An optional dove-tailed gasket is also available.
- Includes handles on opposing sides to facilitate ease of installation.
- Includes engineered bridging on support sides to increase frame strength and ensure that the filter is capable of withstanding 30 inch pounds of torque upon the frame from the upstream side without compromising performance integrity.
- Installs in any standard HEPA mounting system without modifications.
- Each unit is individually tested and certified, serialized on the product label, noting actual tested performance values.
- May be crushed to reduce landfill space or for recycling. They are also incinerable for applications that may require such.

The Camfil Absolute VG applications include medical facilities, pharmaceuticals, semiconductor facilities, food processing plants and other locations where ultra-clean air, ease of filter service and critical HEPA level filter performance is required.

## Performance

Model	Efficiency <sup>1</sup>	Nominal Size	Airflow (cfm)	Resistance @ Airflow (inches, w.g.)	Media Area (sq. ft.)	Shipping Weight (lbs)
855013-212	99.99% @ 0.3 Micron	24 x 12 x 12	900	1.00	174	15
855013-211		24 x 24 x 12	2000		390	28
855013-210		24 x 24 x 12	2400		431	29

### DATA NOTES:

<sup>1</sup> Global efficiency - 95% efficiency available on request. (not scan tested)  
Dimensions are actual and do not include gasket.  
Maximum operating temperature 160° F (70° C), 100% RH.  
Listed by Underwriters Laboratories as UL 900.

### Options:

Contact factory for dove-tail gasket options.

## Specification

### 1.0 General

**1.1** - Air filters shall be HEPA grade filters consisting of pleated media packs assembled in a V-bank configuration, polyurethane sealant, ABS plastic enclosure and seamless filter to holding mechanism sealing gasket.

**1.2** - Sizes shall be as noted on enclosed drawings or other supporting materials.

### 2.0 Construction

**2.1** - Filter media shall be a micro fiber glass mat formed into individual mini-pleats separated by hot-melt or thread separators into a pleat-in-pleat V-bank design.

**2.2** - The media packs shall be potted into the enclosing frame with fire retardant polyurethane sealant.

**2.3** - An enclosing frame of ABS plastic shall form a rugged and durable enclosure. The enclosing frame shall include two integral handles to facilitate filter alignment and ease of installation. The sides shall include integral frame support bridging to increase filter enclosure rigidity. The enclosure shall also be capable of withstanding 30 inch pounds of clamping torque when measured

from the air-entering side to ensure filter to frame seal.

**2.4** - A seamless sealing gasket shall be included on the downstream side of the filter to form a positive seal upon installation.

### 3.0 Performance

**3.1** - Filter efficiency at 0.3 micron shall be (95%, 99.99%)\* when evaluated according to the IEST Recommended Practice for applicable type. Each filter shall be labeled as to tested performance.

**3.2** - Initial resistance shall not exceed 1.0" w.g. at rated capacity. (0.80" w.g. for 95%)\*.

**3.3** - Filter shall be listed as UL 900 per Underwriters Laboratories.

**3.4** - Manufacturer shall provide evidence of facility certification to ISO 9001:2015.

**3.5** - Each filter shall include a Certificate of Conformance noting rated airflow, tested airflow and tested efficiency. (Note: 95% units not scan tested)

\* Items in parentheses ( ) require selection.