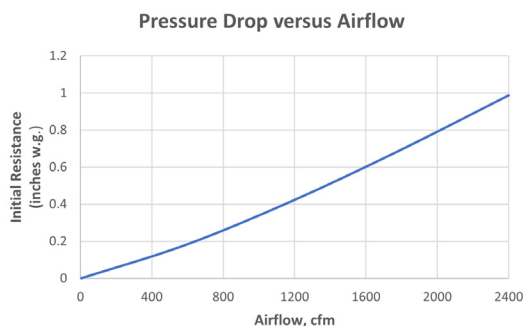




Energy-saving HEPA filter performance in a lightweight, easy-to-change design.



Data from 99.99% efficiency model

The Camfil Absolute VG provides high-efficiency particulate air (HEPA) filtration for critical applications across various industries, including pharmaceuticals, microelectronics, healthcare, semiconductors, and food processing. With a media surface area more than twice that of standard HEPA filters, it offers an optimal combination of high airflow capacity and low resistance to airflow.

Key features of the Camfil Absolute VG filter include:

- **High Airflow Capacity:** 2000 CFM as standard, with capability up to 2400 CFM for air-starved applications.
- **Initial Pressure Drop:** 0.80" at 2000 CFM on the standard capacity model with 99.99% efficiency, and 0.95" at 2400 CFM with 99.97% efficiency.
- **Lightweight Design:** Weighs 21 lbs for the standard 24" x 24" configuration.
- **Certified Performance:** Each unit is individually tested and comes with a certificate of conformance, along with a mechanically printed, serialized label noting actual airflow, efficiency, and airflow resistance.
- **Ease of Handling:** Flexible, strong handles and positive-grip side plates provide multiple handling points for easy installation.
- **Durable Construction:** An innovative frame design provides high strength, capable of withstanding 30 in-lbs (2.5 ft-lbs) of torque applied to fasteners for a secure seal.
- **Moisture Resistance:** Wet-laid, water-resistant micro fiberglass media can withstand up to 99% relative humidity.
- **Exclusive Controlled Media Spacing (CMS):** A Camfil manufacturing method that ensures uniform airflow throughout the entire media pack.
- **Extended Filter Life:** The greater filtration media area results in a lower average pressure drop, longer intervals between changes, and lower disposal costs. The Absolute VG may offer three to four times the life of a standard box-style HEPA filter.
- **Leak-Free Seal:** A one-piece seamless urethane gasket ensures a leak-free filter-to-holding mechanism seal.
- **Compatibility:** Installs easily in standard HEPA mounting systems.

Performance

Model	Efficiency ¹	Actual Size	Standard Airflow Capacity (cfm)	Resistance @ Std Airflow (inches w.g.)	Maximum Airflow Capacity (cfm)	Resistance @ Max Airflow (inches w.g.)	Shipping Weight (lbs)
855016004	99.99% @ 0.3 micron	24 x 24 x 11½	2000	0.80"	2400	0.95"	21.1
855016005		24 x 12 x 11½	882		1060		12.8
855016006		23⅜ x 23⅜ x 11½	1850		2333		20.5
855016007		23⅜ x 11⅜ x 11½	823		1030		12.1

DATA NOTES:

¹ Efficiency of 99.97% @ 0.3 microns at maximum airflow.
Dimensions are actual and do not include gasket.
Maximum operating temperature 160° F (70° C), 100% RH.
Listed by Underwriters Laboratories as UL 900.

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.

1.3 - Full sized and half sized Absolute VG shall not exceed 22 lbs and 13 lbs respectively.

2.0 Construction

2.1 - Filter media shall be a micro fiberglass 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-resistant polyurethane sealant.

2.3 - An enclosing frame of ABS plastic shall form a rugged and durable enclosure. The enclosing frame shall include one or 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 sealing.

2.4 - A seamless 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 99.99% at 500 ft/min airflow velocity (and 99.97% at 600 ft/min) 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 0.8" w.g. ±10% at rated capacity. -

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

3.4 - Filter shall have a 5-Star rating when evaluated per Energy Cost Index (ECI).

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

3.6 - Each filter shall include a serialized Certificate of Conformance noting nominal and actual airflows, global efficiencies and initial pressure drops on a machine printed label.

Filter shall be Absolute VG Gasket-seal or equal.