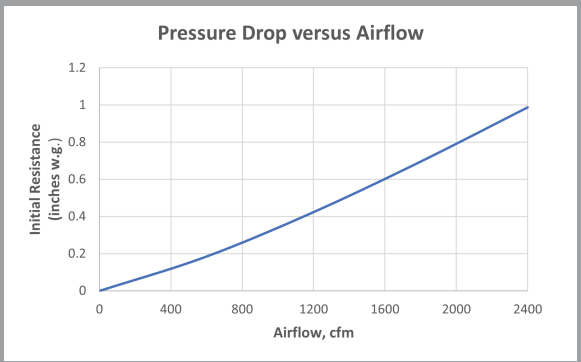
Absolute® VG

High-Efficiency Plastic Framed Gasket-Seal V-bank Air Filter

ENERGY COST INDEX ★★★★★

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 application processes in the pharmaceutical, microelectronics, healthcare, semiconductor, food processing, and other industries. Its critical media surface area, more than twice that of standard HEPA filters, provides an optimal combination of high airflow capacity and low resistance to airflow. The Camfil Absolute VG filter offers:

- High capacity airflow of 2000 cfm as standard. Capable of 2400 cfm for air-starved applications.
- Initial dP of 0.80" @ 2000 cfm on standard capacity model with 99.99% efficiency.
- Initial dP of 0.95" @ 2400 cfm with 99.97% efficiency.
- Lightweight - 21 lbs for standard 24" x 24" configuration.
- Each unit is individually tested and comes with a certificate of conformance and a mechanically printed, serialized label noting actual airflow, efficiency, and airflow resistance.
- Easy handling - Flexible, strong handles and positive grip side plates provide multiple handling points for ease of installation.
- Strength - Innovative frame design provides high strength to withstand 30 in-lbs (2.5 ft-lbs) of torque applied to fasteners for a positive seal.
- Wet-laid water-resistant micro fiberglass 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.
- Greater filtration media area resulting in lower average pressure drop, longer periods between changes and lower disposal costs. Absolute VG may offer three to four times the life of a standard box-style HEPA filter.
- A one-piece seamless urethane gasket to ensure a leak-free filter-to-holding mechanism seal.
- Installs in standard HEPA mounting systems.

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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 11.5	2000	0.80"	2400	0.95"	21.1
855016005		24 x 12 x11.5	882		1060		12.8
855016006		23-⅜ x 23-⅜ x 11.5	1850		2333		20.5
855016007		23-⅜ x 11-⅝ x 11.5	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.

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

3.5 - 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.

camfil ISO 9001:2015 Certified Quality System

For detailed specifications, please consult your local Camfil distributor, representative or Absolute VG. Camfil has a policy of uninterrupted research, development and product improvement. We reserve the right to change designs and specifications without notice.

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