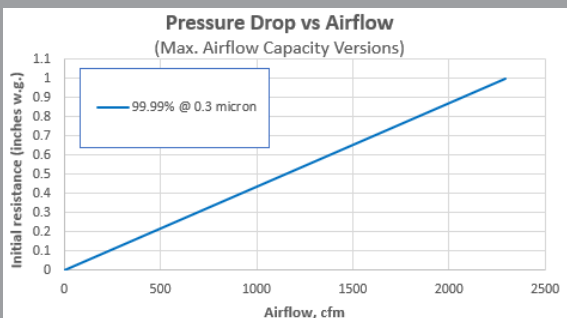


**Energy-saving HEPA filter performance in a lightweight, easy-to-change design.**



Data from 99.99% efficiency model

The Camfil Absolute VG Gel seal filter provides high-efficiency particulate air (HEPA) filtration for critical application processes in the pharmaceutical, microelectronics, healthcare, semiconductor, and other industries. Its 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 Gel seal filter offers:

- High capacity airflow on 24"x24" units of ~1900 cfm when in operation at 500 ft/min. Capable of ~2,300 cfm for air-starved applications. (see chart page 2)
- Initial dP of 0.80" @ 1900 cfm on standard capacity model with 99.99% efficiency.
- Initial dP of 0.95" @ 2300 cfm with 99.97% efficiency.
- Lightweight - 21 lbs for standard 24" x 24" configuration.
- A polyurethane gel track for sealing against the knife edge integral to the holding frame.
- 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 and rigidity at very low weight
- 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 Gel may offer three to four times the life of a standard box HEPA filter.
- Installs in standard HEPA mounting systems.

## Performance

| Challenge Aerosol | Efficiency <sub>1</sub> | Part Number | Size (inches)    | Standard Airflow Capacity (cfm) | Resistance @ Std Airflow (inches w.g.) | Maximum Airflow Capacity (cfm) | Resistance @ Max Airflow (inches w.g.) | Shipping Weight (lbs) |
|-------------------|-------------------------|-------------|------------------|---------------------------------|--|--------------------------------|--|-----------------------|
| PAO               | 99.99% @ 0.3 microns    | 855017000   | 24 x 24 x 11½    | 1910                            | 0.80"                                  | 2290                           | 0.95"                                  | 21.1                  |
|                   |                         | 855017002   | 24 x 12 x 11½    | 840                             |  | 1010                           |  | 12.8                  |
|                   |                         | 855017001   | 23¾ x 23-¾ x 11½ | 1770                            |  | 2120                           |  | 20.5                  |
|                   |                         | 855017003   | 23¾ x 11¾ x 11½  | 790                             |  | 950                            |  | 12.1                  |
| PSL               | 99.99% @ 0.3 microns    | 855017008   | 24 x 24 x 11½    | 1910                            | 0.80"                                  | 2290                           | 0.95"                                  | 21.1                  |
|                   |                         | 855017010   | 24 x 12 x 11½    | 840                             |  | 1010                           |  | 12.8                  |
|                   |                         | 855017009   | 23¾ x 23¾ x 11½  | 1770                            |  | 2120                           |  | 20.5                  |
|                   |                         | 855017011   | 23¾ x 11¾ x 11½  | 790                             |  | 950                            |  | 12.1                  |

**DATA NOTES:**

<sup>1</sup> Efficiency of 99.97% @ 0.3 microns at maximum airflow.  
 Dimensions are actual and do not include gasket.  
 Extraction clips available upon request.  
 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 enclosing frame and polyurethane gel 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 microfiber glass mat formed into individual mini pleats separated by hot-melt or thread separators into a 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 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 torque applied to the fasteners when measured from the air-entering side to ensure filter to frame seal.

**2.4** - A polyurethane gel 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 manufacturing facility certification to ISO 9001:2015.

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

Filter shall be Camfil Absolute VG Gel-seal or equal. For detailed specifications, please consult your local Camfil distributor, representative or visit [Absolute VG](#). Camfil has a policy of uninterrupted research, development and product improvement. We reserve the right to change designs and specifications without notice.

