



High efficiency air filtration for Class 100 oven validation in process applications.



The Camfil K Series Absolute air filter is designed for use in applications with process air temperatures up to 500° F (260° C). Commonly used in cool zone process or tunnel applications where Class 100 validation applies. The K Series Absolute filter features:

- A 304 stainless steel frame appropriate for most pharmaceutical process applications.
- Micro glass fiber media providing factory certifiable, as-built, HEPA filter performance.
- Safe-edge corrugated aluminum separators to ensure uniform airflow throughout the media pack and maintain pack stability. The edges of the separators are hemmed for added strength, and to protect the media from damage during manufacture, shipping and installation
- A silicone pack-to-frame sealant to ensure HEPA performance as-built, to minimize the bypass of recirculating air at operating temperature and to maintain a Class 100 process condition over the useful life of the filter.
- A silicone sponge gasket on the upstream face, downstream face, or both faces as specified by the users application.

Also available in a 95% efficiency at 0.3 microns sub-absolute applications.

Every Camfil K Series Absolute filter is individually tested per IEST Recommended Practice. Each filter is labeled noting tested efficiency, pressure drop, rated and performing airflow and a unique serial number for unit tracking and quality assurance.

Performance

Model	Efficiency	Part Number	Nominal Size (inches)	Airflow Capacity @ 1.0" w.g.	Rated Pressure Drop (inches w.g.)	Media Area (sq. ft.)	Weight (lbs.)
01KS-12Z12Z12-2D-3-E-A-00-0/00	99.97% @ 0.3 Micron IEST Type A	855220-224	12 x 12 x 11.50	210	1.0"	41	20.0
01KS-23F11F12-2D-3-E-A-00-0/00		855220-225	23.375 x 11.375 x 11.50	440		79	27.0
01KS-24Z12Z12-2D-3-E-A-00-0/00		855220-167	24 x 12 x 11.50	480		88	28.0
01KS-11F23F12-2D-3-E-A-00-0/00		855220-226	11.375 x 23.375 x 11.50	440		79	27.0
01KS-12Z24Z12-2D-3-E-A-00-0/00		855220-116	12 x 24 x 11.50	460		88	28.0
01KS-23F23F12-2D-3-E-A-00-0/00		855220-107	23.375 x 23.375 x 11.50	980		174.5	41.0
01KS-24Z24Z12-2D-3-E-A-00-0/00		855220-001	24 x 24 x 11.50	1040		186	42.0
12KS-12Z12Z12-2D-3-E-A-00-0/00	99.99% @ 0.3 Micron IEST Type C	855220-228	12 x 12 x 11.50	210	1.0"	41	20.0
12KS-23F11F12-2D-3-E-A-00-0/00		855220-229	23.38 x 11.38 x 11.50	440		79	27.0
12KS-24Z12Z12-2D-3-E-A-00-0/00		855220-230	24 x 12 x 11.50	480		88	28.0
12KS-11F23F12-2D-3-E-A-00-0/00		855220-231	11.38 x 23.38 x 11.50	440		79	27.0
12KS-12Z24Z12-2D-3-E-A-00-0/00		855220-195	12 x 24 x 11.50	460		88	28.0
12KS-23F23F12-2D-3-E-A-00-0/00		855220-232	23.38 x 23.38 x 11.50	980		174.5	41.0
12KS-24Z24Z12-2D-3-E-A-00-0/00		855220-050	24 x 24 x 11.50	1040		186	42.0
07KS-12Z12Z12-2D-3-E-A-00-0/00	95% @ 0.3 Micron	855220-243	12 x 12 x 11.50	190	0.50"	43.8	20.0
07KS-23F11F12-2D-3-E-A-00-0/00		855220-244	23.38 x 11.38 x 11.50	400		85.5	27.5
07KS-24Z12Z12-2D-3-E-A-00-0/00		855220-245	24 x 12 x 11.50	440		94.5	28.5
07KS-11F23F12-2D-3-E-A-00-0/00		855220-246	11.38 x 23.38 x 11.50	400		85.5	27.5
07KS-12Z24Z12-2D-3-E-A-00-0/00		855220-247	12 x 24 x 11.50	440		94.5	28.5
07KS-23F23F12-2D-3-E-A-00-0/00		855220-248	23.38 x 23.38 x 11.50	940		190	41.5
07KS-24Z24Z12-2D-3-E-A-00-0/00		855220-030	24 x 24 x 11.50	1040		199	42.5

SPECIFICATIONS

Air Filters—1.0 General

1.1 - Air filters shall be HEPA grade standard capacity air filters with, water resistant micro glass fiber media, corrugated aluminum separators, silicone sealant, 304 stainless steel enclosing frame and silicone sealing gasket. Filters shall be capable of operation to 500° F.

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

2.0 Construction

2.1 - Filter media shall be one continuous pleating of micro glass fiber media.

2.2 - Pleats shall be uniformly separated by corrugated aluminum separators incorporating a hemmed edge to prevent damage to the media.

2.3 - The media pack shall be bonded into the enclosing frame through the use of a silicone sealant. The sealant shall be capable of maintaining integrity to 500° F.

2.4 - The enclosing frame of 304 stainless steel frame construction, shall be

bonded to the media pack and form a rugged and durable enclosure. Overall dimensional tolerance shall be correct within -1/8", +0", and square within 1/8".

2.5 - A silicone sponge gasket shall be located on the downstream side of the filter (unless otherwise noted) and shall be capable of maintaining the filter to holding mechanism seal throughout the life of the filter.

3.0 Performance

3.1 - The filter shall have a tested efficiency of (95%, 99.97%, 99.99%)* when evaluated on particles 0.3 micron in size.

3.2 - Initial resistance to airflow shall not exceed (0.50", 1.0", 1.0")* w.g. at rated capacity.

Supporting Data - The filter shall be labeled as to tested efficiency, rated/ tested airflow, pressure drop and shall be serialized for identification and quality assurance.

* Items in parentheses () require selection.

