

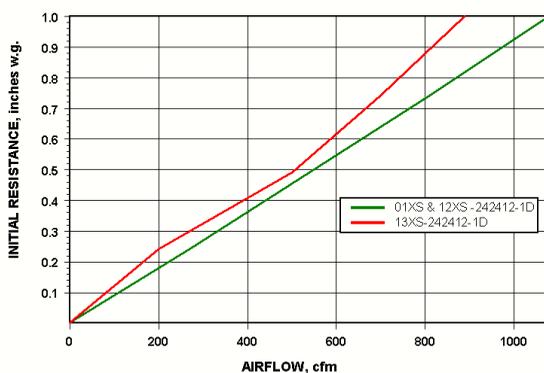


Camfil standard-capacity absolute filters are manufactured from the highest quality components, under demanding quality control conditions, and they are certified to ensure performance in the most critical of applications. The XS is available in efficiencies from 99.97% to 99.999% on 0.3 micron particles. Typical applications include medical facilities, pharmaceutical manufacturing, electronic component manufacturing, food and dairy processing facilities and many other locations where ultra-clean air is a requirement. Every XS absolute includes:

- A galvanized 16-gauge steel frame that creates a durable, dimensionally-stable corrosion-resistant enclosure.
- An X-body frame is assembled without the use of penetrating fasteners to ensure leak-free performance throughout the life of the filter.
- 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.
- Micro glass fiber media to provide efficiency to specified performance values. The media is highly resistant to moisture in high humidity environments.
- A one-piece seamless urethane gasket to ensure a leak-free filter-to-holding mechanism seal. (A neoprene dove-tailed juncture gasket is also available).

## Setting the standard for HEPA filters for over 50 years

Pressure Drop Versus Airflow



Every Camfil absolute filter is individually tested per IEST Recommended Practice IEST-RP-CC001 (Type A, C or D). Each unit 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	Nominal Size (inches)	Airflow @ 1.0" w.g.	Media Area (sq. ft.)	Shipping Weight (lbs)
01XS-12Z12Z12- ** -3-C-A-00-0/00	99.97% @ 0.3 micron IEST Type A	12 x 12 x 11.50	230	33.4	22.4
01XS-23F11F12- ** -3-C-A-00-0/00		23.38 x 11.38 x 11.50	460	64.5	28.8
01XS-24Z12Z12- ** -3-C-A-00-0/00		24 x 12 x 11.50	500	69.3	29.7
01XS-11F23F12- ** -3-C-A-00-0/00		11.38 x 23.38 x 11.5	460	64.5	32.4
01XS-12Z24Z12- ** -3-C-A-00-0/00		12 x 24 x 11.50	500	69.3	33.3
01XS-23F23F12- ** -3-C-A-00-0/00		23.38 x 23.38 x 11.50	1020	143.6	42.7
01XS-24Z24Z12- ** -3-C-A-00-0/00		24 x 24 x 11.50	1080	153.6	43.8
12XS-12Z12Z12- ** -3-C-A-00-0/00	99.99% @ 0.3 micron IEST Type C	12 x 12 x 11.50	230	33.4	22.4
12XS-23F11F12- ** -3-C-A-00-0/00		23.38 x 11.38 x 11.50	460	64.5	28.8
12XS-24Z12Z12- ** -3-C-A-00-0/00		24 x 12 x 11.50	500	69.3	29.7
12XS-11F23F12- ** -3-C-A-00-0/00		11.38 x 23.38 x 11.5	460	64.5	32.4
12XS-12Z24Z12- ** -3-C-A-00-0/00		12 x 24 x 11.50	500	69.3	33.3
12XS-23F23F12- ** -3-C-A-00-0/00		23.38 x 23.38 x 11.50	1020	143.6	42.7
12XS-24Z24Z12- ** -3-C-A-00-0/00		24 x 24 x 11.50	1080	153.6	43.8
13XS-12Z12Z12- ** -3-C-A-00-0/00	99.999% @ 0.3 micron IEST Type D	12 x 12 x 11.50	190	33.4	22.4
13XS-23F11F12- ** -3-C-A-00-0/00		23.38 x 11.38 x 11.50	370	64.5	28.4
13XS-24Z12Z12- ** -3-C-A-00-0/00		24 x 12 x 11.50	410	69.3	29.7
13XS-11F23F12- ** -3-C-A-00-0/00		11.38 x 23.38 x 11.50	370	64.5	32.4
13XS-12Z24Z12- ** -3-C-A-00-0/00		12 x 24 x 11.50	410	69.3	33.3
13XS-23F23F12- ** -3-C-A-00-0/00		23.38 x 23.38 x 11.50	840	143.6	42.7
13XS-24Z24Z12- ** -3-C-A-00-0/00		24 x 24 x 11.50	890	153.6	43.8

**DATA NOTES:**

Maximum operating temperature 175° F (80° C). If neoprene gasket is used temperature limitation is 200° F ( 90° C).

The Camfil Absolute is listed by Underwriters Laboratories as UL 900.

IEST—Institute of Environmental Sciences & Technology. CEN conversions are available on the Camfil web site.

Replace \*\* in model number with 00 for no gasket, 1D for 1 gasket downstream, 1U for one gasket upstream, or 1B for a gasket on both sides.

**Absolute XS Specification**

**Air Filters—1.0 General**

**1.1** - Air filters shall be HEPA grade standard capacity air filters with waterproof micro glass fiber media, corrugated aluminum separators, urethane sealant, a galvanized 16-gauge steel enclosing frame and sealing gasket.

**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 fine 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 potted into the enclosing frame with a fire-retardant urethane sealant.

**2.4** - The enclosing frame shall be of galvanized 16-gauge steel, shall be bonded to the media pack to form a rugged and durable enclosure. The filter shall be assembled without the use of fasteners to ensure no frame penetrations. Overall dimensional tolerance shall be correct within -1/8", +0", and square within 1/8".

**2.5** - A poured-in-place seamless sealing gasket shall be included on the downstream side of the enclosing frame to form a positive seal upon installation.

**3.0 Performance**

**3.1** - The filter shall have a tested efficiency of (99.97%, 99.99%, 99.999%)\* when evaluated according to IEST Recommended Practice.

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

**3.3** - Filter shall be rated by Underwriters Laboratories as UL 900.

**3.4** - Manufacturer shall provide evidence of facility certification to ISO 9001:2008.

**3.5** - The filter shall be capable of withstanding 10" w.g. without failure of the media pack.

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

\* Items in parentheses ( ) require selection.



Camfil has a policy of uninterrupted research, development and product improvement. We reserve the right to change designs and specifications without notice.

