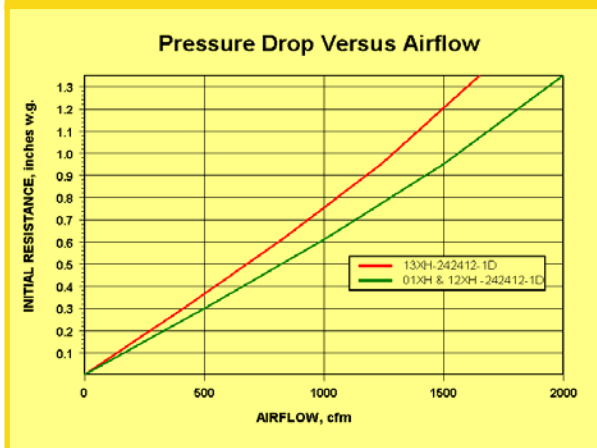


# xh absolute

## High-Capacity HEPA Filter

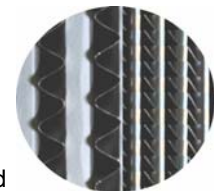


Tapered separators allow increased media area for energy savings or more airflow in air-starved systems.



Camfil Farr high-capacity absolute filters are manufactured from the highest quality components, under demanding quality control conditions, and are certified to ensure performance in the most critical of applications. The XH is available in efficiencies from 99.97% to 99.999% on 0.3 micron particles. The XH is your choice for HEPA level air filtration in applications wherein ultra-clean air, increased airflow capacity and energy-savings are critical. Each Camfil Farr XH absolute includes:

- A galvanized 16-gauge steel frame to create a durable, dimensionally stable corrosion-resistant enclosure.
- X-body frame that is assembled without the use of penetrating fasteners to ensure leak-free performance throughout the life of the filter. Our unique urethane potting process completely encapsulates the filter pack within the enclosing frame.
- Safe-edge tapered corrugated aluminum separators (allowing up to 88% more media area than standard HEPA filters) 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).



Standard separators versus tapered separators

Every Camfil Farr absolute filter is individually tested per IEST Recommended Practice IEST-RP-CC001 (Type A, C or D). Each unit is labeled noting tested efficiency, penetration, rated and performing airflow, pressure drop and a unique serial number for unit tracking and quality assurance.



Camfil Farr	Product sheet
XH Absolute	1801H-0704
Camfil Farr—clean air solutions	

# PERFORMANCE DATA

# XH ABSOLUTE

Model	Efficiency	Nominal Size (inches)	Airflow Capacity @ 1.35" w.g.	Media Area (sq. ft.)	Shipping Weight (lbs.)
01XH-12Z12Z12- ** -3-C-A-00-0/00	99.97% @ 0.3 Micron IEST Type A	12 x 12 x 11.50	430	67.5	23.6
01XH-23F11F12- ** -3-C-A-00-0/00		23.38 x 11.38 x 11.50	850	134.6	30.8
01XH-24Z12Z12- ** -3-C-A-00-0/00		24 x 12 x 11.50	930	145.5	32.0
01XH-11F23F12- ** -3-C-A-00-0/00		11.38 x 23.38 x 11.5	850	134.6	34.7
01XH-12Z24Z12- ** -3-C-A-00-0/00		12 x 24 x 11.50	930	145.5	35.6
01XH-23F23F12- ** -3-C-A-00-0/00		23.38 x 23.38 x 11.50	1890	287.5	47.5
01XH-24Z24Z12- ** -3-C-A-00-0/00		24 x 24 x 11.50	2000	301	48.5
12XH-12Z12Z12- ** -3-C-A-00-0/00	99.99% @ 0.3 Micron IEST Type C	12 x 12 x 11.50	430	67.5	23.6
12XH-23F11F12- ** -3-C-A-00-0/00		23.38 x 11.38 x 11.50	850	134.6	30.8
12XH-24Z12Z12- ** -3-C-A-00-0/00		24 x 12 x 11.50	930	145.5	32.0
12XH-11F23F12- ** -3-C-A-00-0/00		11.38 x 23.38 x 11.5	850	134.6	34.7
12XH-12Z24Z12- ** -3-C-A-00-0/00		12 x 24 x 11.50	930	145.5	35.6
12XH-23F23F12- ** -3-C-A-00-0/00		23.38 x 23.38 x 11.50	1890	287.5	47.5
12XH-24Z24Z12- ** -3-C-A-00-0/00		24 x 24 x 11.50	2000	301	48.5
13XH-12Z12Z12- ** -3-C-A-00-0/00	99.999% @ 0.3 Micron IEST Type D	12 x 12 x 11.50	350	67.5	23.6
13XH-23F11F12- ** -3-C-A-00-0/00		23.38 x 11.38 x 11.50	700	134.6	30.8
13XH-24Z12Z12- ** -3-C-A-00-0/00		24 x 12 x 11.50	770	145.5	32.0
13XH-11F23F12- ** -3-C-A-00-0/00		11.38 x 23.38 x 11.50	700	134.6	34.7
13XH-12Z24Z12- ** -3-C-A-00-0/00		12 x 24 x 11.50	770	145.5	35.6
13XH-23F23F12- ** -3-C-A-00-0/00		23.38 x 23.38 x 11.50	1550	287.5	47.5
13XH-24Z24Z12- ** -3-C-A-00-0/00		24 x 24 x 11.50	1650	301	48.5

**DATA NOTES:**

Maximum operating temperature 175° F (80° C). If neoprene gasket is used temperature limitation is 200° F ( 90° C).  
 The Camfil Farr Absolute is rated UL 900 Class 1.  
 IEST—Institute of Environmental Sciences & Technology. CEN conversions are available on the Camfil Farr web site.  
 Replace \*\* in model number with 00 for no gasket, 1D for one gasket downstream, 1U for one gasket upstream, or 1B for a gasket on both sides.

## SPECIFICATIONS

### Air Filters—1.0 General

**1.1** - Air filters shall be HEPA grade high-capacity air filters with waterproof micro glass fiber media, tapered corrugated aluminum separators, urethane sealant, a galvanized 16-gauge steel enclosing frame, and (neoprene sealing gasket, seamless 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 glass fiber media.
- 2.2** - Pleats shall be uniformly separated by tapered 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 through the use of a urethane sealant.
- 2.4** - The enclosing frame of galvanized 16-gauge steel, shall be bonded to the media pack and form a rugged and durable enclosure. The filter shall be assembled without the use of fasteners to assure no frame penetrations. Overall dimensional tolerance shall be correct within -1/8", +0", and square within 1/8".

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

**Camfil Farr, Inc.**

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**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 under the guidance of IEST Recommended Practice RP-CC001.

**3.2** - Initial resistance to airflow shall not exceed 1.35" w.g. at rated capacity.

**3.3** - Filter shall be rated by Underwriters Laboratories as UL Class 1.

**3.4** - 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 airflow, pressure drop and shall be serialized for identification.

\* Items in parentheses ( ) require selection.

Optional construction materials include alternate framing materials. Contact factory for pricing and availability.

