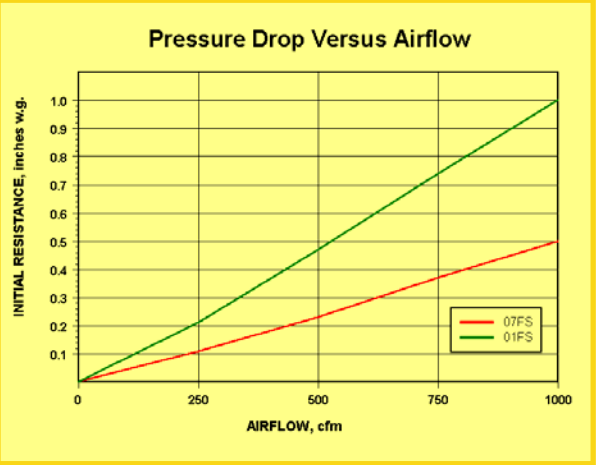
f absolute™

High-Temperature HEPA Filter

High efficiency air filtration for Class 100 oven validation in 750° F (maximum) process applications.



Data at 1000 cfm, 24” by 24” by 11-½” filter.

The Camfil Farr F Series Absolute air filter is designed for use in applications with process air temperatures up to 750° F (398° C). Commonly used in hot zone process or tunnel applications where Class 100 validation applies. The F 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 combination of ceramic filter pack sealant and ceramic pad, pack-to-frame seal 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 foil-wrapped fiberglass 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 Farr F 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.

Camfil Farr	Product sheet
F Absolute™	1812 - 0606
Camfil Farr—clean air solutions	

PERFORMANCE DATA

F ABSOLUTE™

Model	Efficiency	Part Number	Nominal Size (inches)	Airflow Capacity @ 1.0" w.g.	Pressure Drop (inches w.g.)	Media Area (sq. ft.)	Weight (lbs.)
01FS-12Z12Z12-5D-3-E-A-2D-0/00	99.97% @ 0.3 Micron IEST Type A	855220-122	12 x 12 x 11.50	190	1.0"	38	28.5
01FS-23F11F12-5D-3-E-A-2D-0/00		855220-233	23.375 x 11.375 x 11.5	400		76.5	35.5
01FS-24Z12Z12-5D-3-E-A-2D-0/00		855220-234	24 x 12 x 11.50	440		85	37
01FS-11F23F12-5D-3-E-A-2D-0/00		855220-235	11.375 x 23.375 x 11.5	400		76.5	35.5
01FS-12Z24Z12-5D-3-E-A-2D-0/00		855220-236	12 x 24 x 11.50	440		85	37
01FS-23F23F12-5D-3-E-A-2D-0/00		855220-047	23.375 x 23.375 x 11.5	940		168.5	58
01FS-24Z24Z12-5D-3-E-A-2D-0/00		855220-018	24 x 24 x 11.50	1000		180	59
07FS-12Z12Z12-5D-3-E-A-2D-0/00	95% @ 0.3 Micron	855220-237	12 x 12 x 11.50	190	0.50"	41	28.5
07FS-23F11F12-5D-3-E-A-2D-0/00		855220-238	23.38 x 11.38 x 11.50	400		82.5	35.75
07FS-24Z12Z12-5D-3-E-A-2D-0/00		855220-239	24 x 12 x 11.50	440		91.5	37.25
07FS-11F23F12-5D-3-E-A-2D-0/00		855220-240	11.38 x 23.38 x 11.5	400		82.5	35.75
07FS-12Z24Z12-5D-3-E-A-2D-0/00		855220-241	12 x 24 x 11.50	440		91.5	37.25
07FS-23F23F12-5D-3-E-A-2D-0/00		855220-242	23.38 x 23.38 x 11.50	940		184	58.5
07FS-24Z24Z12-5D-3-E-A-2D-0/00		855220-223	24 x 24 x 11.50	1000		190	60

DATA NOTES:
Maximum operating temperature 750° F (400° C). Maximum humidity, 99%.
The Camfil Farr F-Series Absolute is rated UL 900 Class 2.
Recommended final resistance, 2.0" w.g.
IEST—Institute of Environmental Sciences & Technology. CEN conversions are available on the Camfil Farr web site.

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, ceramic sealing system, 304 stainless steel enclosing frame and foil-wrapped sealing gasket. Filters shall be capable of operation to 750° 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 - A ceramic pad shall be installed between the ceramic sealed media pack and the enclosing frame to prevent air bypass and ensure certifiable as-built HEPA performance.
2.4 - The enclosing frame of 304 stainless steel, shall form a rugged and durable enclosure. Overall dimensional tolerance shall be correct within -1/8", +0", and square within 1/8".
2.5 - A gasket of aluminum and fiberglass construction shall be located on the downstream side of the filter (unless otherwise noted).
2.6 - A perforated 18-gauge 304 stainless steel grille shall be located on the air exiting side of the filter to provide additional media pack support at elevated temperatures.

3.0 Performance

3.1 - The filter shall have a tested efficiency of (95%, 99.97%)* when evaluated on particles 0.3 micron in size.
3.2 - Initial resistance to airflow shall not exceed (0.50", 1.0")* w.g. at rated capacity.
3.3 - Filter shall be listed as UL 900 Class 2 by Underwriters Laboratories.

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.

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

An engineered product, the Camfil Farr F-Series Absolute requires special handling. Please refer to Camfil Farr Bulletin 1812I-0102 for instructions.

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Certified Quality System ISO 9001:2000