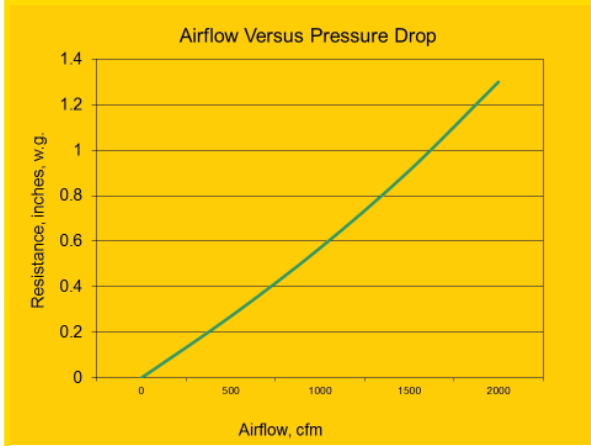


ASME AG-1 Filtra 2000 Absolute®

ASME AG-1 Size 8, 2000 CFM, Gasket or Gel Seal HEPA Filter



Increased airflow
and longer service
life in a standard
size HEPA filter



The AG-1 Filtra 2000's increased surface area can reduce system resistance by more than 50% and offer three to four times the life-cycling of standard AG-1 HEPA filters.



Camfil Farr nuclear-qualified Filtra 2000 HEPA filters are ASME¹ AG-1 and UL² 586 listed. They are manufactured from the highest quality components as prescribed in Article FC-3000 of ASME AG-1, under an NQA-1 Quality Program. They are provided with a Certificate of Conformance as specified in Article FC-8000 of ASME AG-1.

Manufactured to specifications as defined in ASME AG-1, Section FC, each nuclear grade Filtra 2000 HEPA filter has a tested efficiency of not less than 99.97% on 0.3 micron size particles at 100% of rated airflow and at 20% of rated airflow.

Every Camfil Farr nuclear grade Filtra 2000 HEPA filter:

- Includes five V-banks (10 panels) of ASME AG-1, Appendix FC-I qualified HEPA media in ASME AG-1, FC-1121 Type B pleat configuration. This configuration provides a minimum rated airflow of 2000 cfm at a maximum initial resistance of 1.3" w.g., as specified in ASME AG-1, Table FC-4110 for a Size 8 HEPA filter.
- Is highly resistant to moisture in high humidity environments.
- Uses a fire-retardant phosphorus-free polyurethane adhesive sealant, bonding the frame to the media pack.
- Has a 14-gauge ASTM-A-240 Type 304 stainless steel enclosing frame.
- Includes face guards constructed of ½ -22 expanded and flattened Type 304 stainless steel on the air-entering and air-exiting sides of each media pack.
- Is available with a gasket seal (in accordance with ASME AG-1, FC-3121) or a gel seal (in accordance with ASME AG-1, FC-3122) to ensure a leak-free filter to housing or filter to frame seal.
- May include optional filter extraction clips to accommodate filter change in bag-in/bag-out containment systems.
- May be operated at continuous temperature of up to 250° F (121° C) .
- Is labeled as specified in ASME AG-1, FC-9000 and in DOE STD-3020-2005, 6.1.4.

The Camfil Farr AG-1 Filtra 2000 saves valuable space in any application reducing the equipment footprint because of its higher air handling capacity. Its extended life also reduces costly filter disposal expenditure.

¹ ASME - American Society of Mechanical Engineers

² UL - Underwriters Laboratories

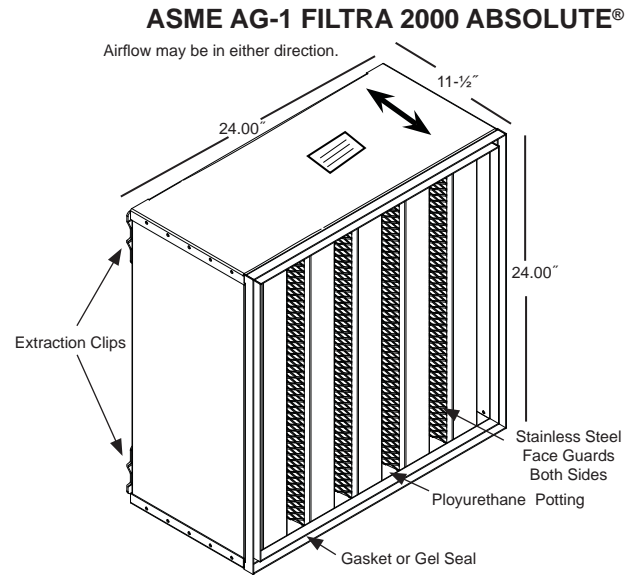
³ Department of Energy

Camfil Farr	Product sheet
AG-1 Filtra 2000	FA1750AG - 0910
Camfil Farr - clean air solutions	

PERFORMANCE DATA

- Size Designator 8
- 24" by 24" by 11-1/2" (610 mm by 610 mm by 292mm)
- Rated Airflow 2000 cfm (3400m³/hr)
- Maximum initial Resistance: 1.30" w.g. (325 Pa)

Model Number	Seal location, with or without extraction clips	Part Number
FA1560N-05-03-15/22	Upstream gasket seal	855011020
FA1560N-05-03-15/30	Downstream gasket seal	855011068
FA1570N-05-03-08/09/15	Upstream gel seal with extraction clips	855011019
FA1570N-05-03-18/09/15	Downstream gel seal with extraction clips	Contact factory
DATA NOTES Rated airflow in ACFM based on tests indoors at atmospheric pressure. Maximum continuous operating temperature 250° F (121° C). Final operating resistance should not exceed 4.0" w.g. Gel seal available without extraction clips, contact factory. ASME AG-1 FILTRA 2000 HEPA filters meet all applicable requirements as published under in the following documents; ASME AG-1, ASME NQA-1, ASME N509-1989, UL 586. Camfil Farr nuclear grade HEPA Filters have been qualified by the Edgewood Chemical Biological Center to meet the performance requirements of ASME AG-1 Sections FC-4000 & FC-5000, with the exceptions of FC-5150 Resistance to Heated Air and FC-5160 Spot Flame Resistance which have been qualified by the UL 586 listing of the product.		



SPECIFICATIONS

Air Filters—1.0 General

1.1 - Air filters shall be Camfil Farr Model _____ ASME AG-1 qualified and UL 586 listed HEPA air filters with mini pleated ASME AG-1, Appendix FC-I qualified HEPA media in the ASME AG-1, FC-1121 Type B pleat configuration, formed into a V-bank configuration, silicone¹ media-to-frame sealant, Type 304 stainless steel enclosing frame, Type 304 stainless steel media pack face guards and a gel seal channel with silicone gel¹ sealant.

1.2 - Overall dimensions shall be 24" high by 24" wide by 11-1/2" deep.

2.0 Construction

2.1 - The media shall be manufactured from waterproof boro-silicate glass micro fibers and a synthetic binder formed into a continuous flat sheet with physical and functional properties. The test results shall be traceable to manufacturing lot number, roll number and the serial number of the final product. The media shall be qualified in accordance with ASME AG-1, Appendix FC-I.

2.2 - The media shall be formed into individual mini pleat packs separated by glass thread fibers that are bonded to the media on both sides of the media pack, and assembled into a V-bank configuration. The packs shall be potted into the enclosing frame with a fire retardant polyurethane adhesive.

2.3 - The enclosing frame shall be of 14-gauge Type 304 stainless steel and bonded to the media pack to form a rugged and durable enclosure. Overall dimensional tolerance shall be +0/ - 1/8" on the face dimensions, +1/16" / - 0 on the depth dimension. The face shall be square within a tolerance of 1/8" when measured diagonally across the corners of both faces.

2.4 - The assembled filter shall include media pack face guards constructed of 1/2" - 22 expanded and flattened Type 304 stainless steel. Screens shall be on the air-entering and air-exiting sides of each media pack. The face screens shall have a minimum open area of 74%.

2.5 - The filter shall include a continuous gel channel filled with silicone gel sealant¹ in accordance with ASME AG-1, FC-3122 to effect a filter-to-housing or filter-to-frame seal.

2.6 - Four filter extraction clips shall be provided, if specified for filters installed in a bag-in/bag-out containment housing.

3.0 Performance

3.1 - The filter shall be qualified to meet the performance requirements of ASME AG-1, Sections FC-4000 and FC-5000.

3.2 - The filter shall be listed by Underwriters Laboratories as UL 586 and labeled accordingly.

3.3 - The filter shall be capable of operating at 250° F (121° C) continuous.

3.4 - Manufacturer shall supply a Certificate of Conformance with each filter detailing manufacturers name, model number, unique filter serial number, resistance to airflow at rated capacity, percent penetration on particles 0.3 micron in size at 100% of rated airflow and at 20% of rated airflow. The filter shall be labeled as specified in ASME AG-1, FC-9000 and in DOE STD-3020-2005, 6.1.4.

3.5 - ASME AG-1 HEPA filter shall be manufactured in a facility with an NQA-1 Quality Program.

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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