

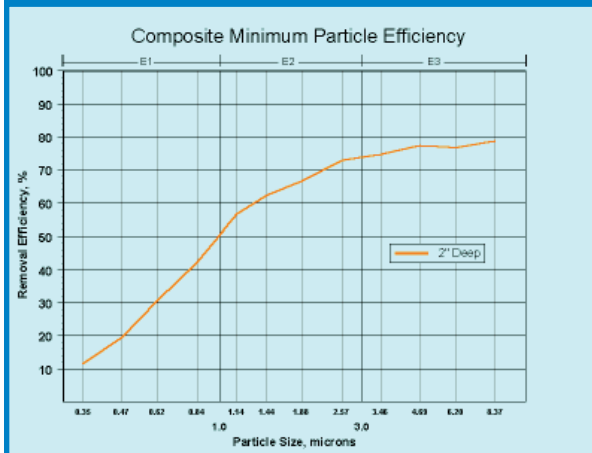


30/30[®] UL CLASS 1

UL Class One High Capacity Pleated Air Filter



MERV 8 performance
in a filter listed by
Underwriters Laboratories
as UL Class One.



Values are MERVs when evaluated per ASHRAE 52.2.

Industry Standard

Camfil Farr UL Class 1 30/30[®] filters provide ASHRAE efficiency for those applications requiring a UL Class 1 rating when evaluated under Underwriters Laboratory Standard 900.

Unique Media Blend

The UL Class 1 30/30 media is manufactured from a unique blend of high density glass micro fibers which are laminated to an all-glass mesh backing. Formed into a radial pleat, this combination provides a MERV 8 ASHRAE efficiency when evaluated under ASHRAE Standard 52.2 -1999 and a 35-40% average efficiency when evaluated under ASHRAE Standard 52.1 -1992. The UL Class One 30/30 has an ECI¹ value of 5 stars.

Efficiency and Strength

The radial pleat is maintained by a welded wire grid, spot welded on one-inch centers, treated for corrosion resistance and bonded to the media to prevent oscillation. An enclosing frame constructed of a non-flammable board with integral diagonal support members assures filter rigidity in virtually any demanding application. The media pack is bonded to the enclosing frame and diagonal support members to prevent air bypass and assist in frame rigidity. The 30/30 is guaranteed to 2.0" w.g. without failure of the media pack.

Available in 2" or 4" deep configurations, the UL Class 1 30/30 is ideal for commercial, industrial, medical, institutional or any other application where UL Class 1 is required and improved air quality is a concern.

¹ The Energy Cost Index (ECI) is a system that rates a filter's energy usage and its ability to maintain published efficiency over its lifetime. ECI is useful when comparing filters of similar construction and published efficiency. ECI ratings range from a high of 5 stars (low life cycle cost and high overall value) to a low of 1 star (high life cycle cost and low overall value). Details on ECI ratings for Camfil Farr and competitor's products are available from your Camfil Farr sales outlet and on the web at www.camfilfarr.com.



Camfil Farr	Product sheet
UL Class One 30/30 [®]	1002CL1 - 0209
Camfil Farr - clean air solutions	

Nominal Depth (inches)	Nominal Size (H x W, inches)	Part Number	Actual Size (H x W x D, inches)	Capacity (cfm)	Initial Resistance (inches w.g.)	Total Media Area (sq. ft.)
2"	20 x 16	074181-001	19.50 x 15.50 x 1.75	1110	0.38	9.9
	20 x 20	074181-002	19.50 x 19.50 x 1.75	1390		11.9
	25 x 20	074181-003	24.50 x 19.50 x 1.75	1740		14.9
	25 x 16	074181-004	24.50 x 15.50 x 1.75	1390		12.4
	24 x 24	074181-005	23.38 x 23.38 x 1.75	2000		17.3
	24 x 12	074181-006	23.38 x 11.38 x 1.75	1000		8.4
	24 x 20	074181-012	23.50 x 19.50 x 1.75	1670		14.3
	24 x 18	074181-015	23.50 x 17.50 x 1.75	1500		13.0
4"	24 x 24	074182-001	23.38 x 23.38 x 3.75	2000	0.33	27.7
	24 x 12	074182-002	23.38 x 11.38 x 3.75	1000		13.9
	20 x 20	074182-003	19.38 x 19.38 x 3.75	1390		18.9
	20 x 16	074182-004	19.38 x 15.38 x 3.75	1110		15.7
	25 x 16	074182-005	24.38 x 15.38 x 3.75	1390		19.7
	25 x 20	074182-006	24.38 x 19.38 x 3.75	1740		23.6
	24 x 18	074182-007	23.38 x 17.38 x 3.75	1500		20.2

DATA NOTES:

1.0" w.g. recommended final resistance. System design may dictate a lower change-out point. See 1002 CL1-HRVA for initial resistance versus airflow. Maximum continuous operating temperature 200° F (93° C), intermittent 220° F (104° C).

Underwriters Laboratories, Inc. (UL) is an agency that lists products they have tested against criteria deemed appropriate for public safety. For Camfil Farr Comfort Air and Clean Processes products (excluding HEPA filters, tested under a different standard), the UL criteria are set forth in UL Standard 900. UL 900 establishes smoke and flammability limits for clean air filters according to two classifications:

UL Class 1 – Air filters which, when clean, do not contribute fuel when attacked by flame and emit only negligible amounts of smoke.

UL Class 2 – Air filters which, when clean, burn moderately when attacked by flame, or emit moderate amounts of smoke, or both.

It is important to note that both classes of filters will burn when attacked by flames, and both will self-extinguish when clean.

SPECIFICATIONS

1.0 General

1.1 - Air filters shall be UL Class 1 medium efficiency ASHRAE pleated panels consisting of micro fiber glass media, all-glass closed-mesh backing, media support grid and enclosing frame.

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

2.0 Construction

2.1 - Filter media shall be micro fiber glass laminated to an all-glass mesh backing and formed into uniform radial pleats.

2.2 - A welded wire grid, spot-welded on one-inch centers and treated for corrosion resistance, shall be bonded to the downstream side of the media to maintain the radial pleat and prevent media oscillation.

2.3 - An enclosing frame of non-flammable board shall provide a rigid and durable enclosure. The frame shall be bonded to the media to prevent air bypass, and include integral diagonal support members on the air entering and air exiting side to maintain uniform pleat spacing in varying airflows.

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

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3.0 Performance

3.1 - The filter shall have a Minimum Efficiency Reporting Value of MERV 8 when evaluated under the guidelines of ASHRAE Standard 52.2. It shall have an average dust spot efficiency of 35-40% when evaluated under ASHRAE Standard 52.1-1992.

3.2 - Initial resistance to airflow shall not exceed 0.38" w.g. at an airflow of 500 fpm.

3.3 - The filter shall be listed by Underwriters Laboratories as UL Class 1.

3.4 - Manufacturer shall provide evidence of facility certification to ISO 9001:2000.

Supporting Data - Provide product test reports for each listed efficiency including all details as prescribed in ASHRAE Standard 52.2.



Based upon performance of a 24" by 24" by 2".

