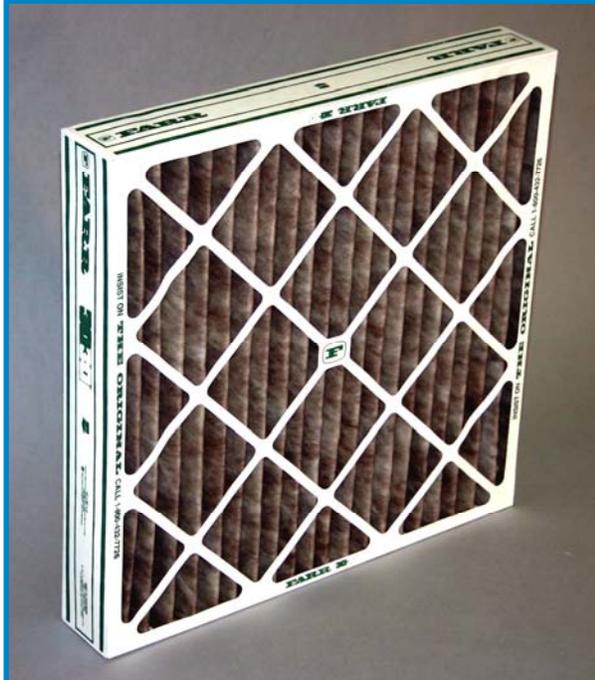
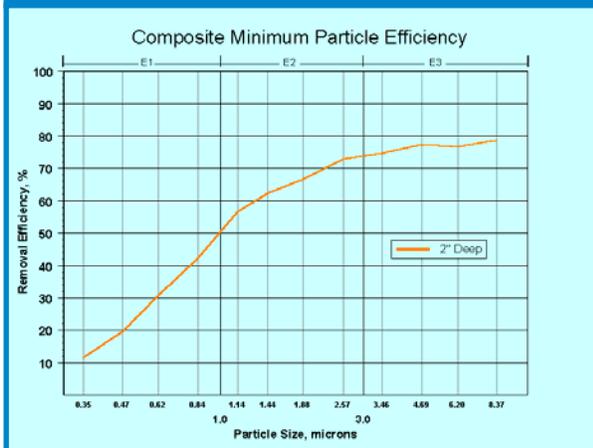


farr 30/30[®] UL Class 1

UL Class One High-Capacity Pleated Air Filter



Camfil Farr 30/30[®]
performance
in a UL Class 1 air filter



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 Class 1 30/30 media is manufactured from a unique blend of high density glass microfibers 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 25-30% average efficiency when evaluated under ASHRAE Standard 52.1 - 1992.

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 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.

Camfil Farr	Product sheet
Farr UL Class 1 30/30 [®]	1002CL1 - 0804
Camfil Farr—clean air solutions	

PERFORMANCE DATA

FARR UL CLASS 1 30/30®

Nominal Filter Depth (inches)	Nominal Size (H x W) (inches)	Actual Size (H x W x D) (inches)	Capacity (cfm)		Resistance @ Capacity (inches w.g.)		Total Media Area (sq. ft.)
			Medium	High	Medium	High	
2"	24 x 12 x 2	23.38 x 11.38 x 1.88	500	1000	0.13	0.38	8.4
	24 x 24 x 2	23.38 x 23.38 x 1.88	1000	2000			17.3
	20 x 16 x 2	19.50 x 15.50 x 1.88	550	1000			9.9
	25 x 16 x 2	24.50 x 15.50 x 1.88	695	1390			12.4
	20 x 20 x 2	19.50 x 19.50 x 1.88	695	1390			11.9
	25 x 20 x 2	24.50 x 19.50 x 1.88	870	1740			14.9
4"	24 x 12 x 4	23.38 x 11.38 x 3.88	500	1000	0.10	0.33	13.9
	24 x 24 x 4	23.38 x 23.38 x 3.88	1000	2000			27.7
	20 x 16 x 4	19.50 x 15.50 x 3.88	550	1000			15.7
	25 x 16 x 4	24.50 x 15.50 x 3.88	695	1390			19.7
	20 x 20 x 4	19.50 x 19.50 x 3.88	695	1390			18.9
	25 x 20 x 4	24.50 x 19.50 x 3.88	870	1740			23.6

DATA NOTES:

1.0" w.g. recommended final resistance. System design may dictate a lower change-out point.
 Class 1 30/30 2" & 4" deep filters rated at 250 fpm medium and 500 fpm high.
 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 microfiber 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 microfiber 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.

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 52.2-1999. It shall have an average dust spot efficiency of 25-30% 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 classified 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 Standards 52.1 and 52.2.

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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