

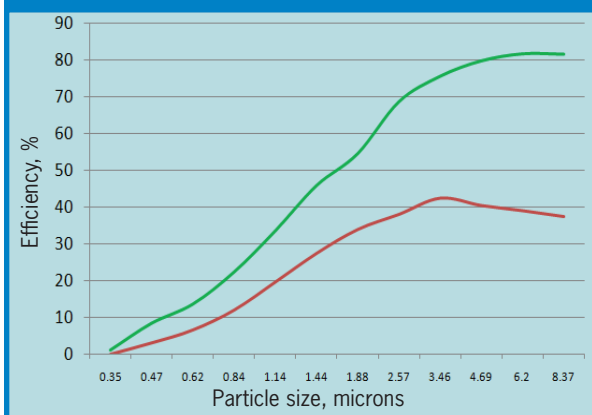


30/30®

High-Capacity MERV 8 Pleated Panel Filter



The best performing
pleated panel filter
— guaranteed!



— Composite minimum efficiency values of the 30/30 when evaluated per ASHRAE Standard 52.2-1999. The 30/30 has a MERV of 8.

— This line is representative of a MERV 8 filter that uses electret media enhancement to obtain a MERV 8. The values are after approximately two weeks of operation.

The Camfil Farr 30/30 has set the industry standard for pleated panel filters since 1963. With over 45 design enhancements, it continues to provide the industry's best value for medium efficiency filtration.

Setting the standard by which other pleated filters are judged, modern media manufacturing techniques and proprietary technological advancements ensure that the Camfil Farr 30/30 is:

- *Guaranteed to perform at the rated efficiency, or better, throughout the life of the filter.*
- *Guaranteed to last longer than any other pleated panel filter available.*



Performing at MERV 8, using a mechanical particle capture principle, the 30/30 will not drop in efficiency while in service as will other pleated panel filters that incorporate an electret charge to obtain a MERV 8 value.

Its radial pleat design provides the longest life and lowest average pressure drop reducing the number of filter changes so your facility will use less fan power to move air through the filter.

The high wet-strength beverage frame and welded wire media backing provide structural integrity in any type of HVAC application virtually eliminating the additional costs associated with filter bypass or filter failure.

Available in 1", 2" or 4" deep configurations, the 30/30 is ideal for commercial, industrial, institutional or any other application where the ultimate level of protection of equipment and indoor air quality is a concern.

The Camfil Farr 30/30 has an Energy Cost Index (ECI) of five stars, the highest performance rating available.

¹ A 5-star rating indicates that this filter performs in the top 20% of all products of similar construction in the HVAC industry. Factors of consideration include maintained efficiency, energy usage and resistance to air flow. Detailed evaluation information is available from your Camfil Farr sales outlet or on the web at www.camfilfarr.com.



Camfil Farr	Product Sheet
30/30®	1002 - 1107
Camfil Farr - clean air solutions	



The highest media weight, more than any other pleated panel filter, and uniform lofting for high dust holding capacity, ensure that the 30/30 will last longer in any HVAC application.

The 30/30 media is manufactured from a proprietary blend of fibers that incorporate a mechanical principle of particle capture. The filter does not require an electret charge which would dissipate and reduce filter's efficiency after minimal hours of operation in a system. The media is lofted to a uniform depth to enhance the depth-loading characteristic and ensure the longest life of any pleated filter available. The high-loft also offers a lower resistance to airflow so fan horsepower required to move air through the filter is minimized. Camfil Farr evaluates the quality of all incoming raw materials to maintain product integrity as part of a rigorous quality control program.

Welded Wire Grid Maintains Radial Pleat Design

The media is formed into a radial pleat for uniform dust loading and full use of the media area. V-style pleats blind while loading preventing full utilization of the media area and increasing the filters pressure drop resulting in increased energy usage. A welded wire grid, spot welded on one-inch centers maintains each radial pleat and maintains media stability through varying airflows.



Rounded radial pleats, instead of v-shape pleats, allow full usage of media area.



Diagonal support members, glued to each pleat at its apex, helps maintain pleat stability and filter rigidity.

High Wet-Strength Beverage Board Frame

The high wet-strength beverage board frame, the thickest board in the industry, creates a stable and non-yielding media pack. Filter bypass is virtually eliminated because the filter fits securely in the filter holding mechanism. The media is bonded to the frame ensuring that all of the air seen by the filter will be treated by the filter. Diagonal support members are bonded to each pleat to maintain pleat spacing and add stability to the pack through bridge-style engineering. The 30/30 is guaranteed to 2.0" w.g. of pressure filter without failure. Costly filter blowouts and compromising of HVAC system cleanliness is eliminated.



ISO 9001:2000 Certified Quality Control

Every 30/30 filter is identified on the frame with a unique manufacturing code that allows us to analyze every component of construction from raw materials to the point where the product is boxed for shipping. Filters are inspected for structural integrity so they are capable of operating in the harshest HVAC system conditions. The adhesiveness of diagonal support members to pleat apexes is inspected so pleat spacing is uniform to provide longer filter life. Each media lot is laboratory tested to confirm consistent performance and individual filters are submitted from each manufacturing facility on a strict schedule for ASHRAE 52.2 testing in our world-class testing facility.

The standard of the industry, by Camfil Farr.

Used in many systems as a prefilter, the 30/30 extends the life of final filters by capturing larger contaminant and thereby allowing the final filters to concentrate on moving smaller particles such as those that are respirable and can cause lung damage. The 30/30 is also an excellent choice when applied as the only filter in a system to keep coils clean and maintain efficiency, and protect building occupants from contaminants of annoyance such as pollen, plant spores, atmospheric dusts and other indoor air irritants.

Unprecedented Industry Guarantee

If our filters don't outlast and outperform your current filters, we'll replace them, FREE. For guarantee details and a distributor list, visit www.camfilfarr.com.



2" Deep Filter (actual filter depth 1.75")

Part Number	Nominal Size (inches)	Actual Size (inches)			High	Initial Resistance (inches w.g.)	Total Media Area (sq. ft.)	Pleats per Linear Foot
		Height	Width	Depth				
049880-019	16 x 16 x 2	15.50	15.50	1.75	890	0.31	7.8	15 pleats per linear foot
049880-008	20 x 10 x 2	19.50	9.50		700		6.0	
049880-009	20 x 14 x 2	19.50	13.50		975		8.3	
049880-007	20 x 12 x 2	19.50	11.88		835		7.4	
049880-011	20 x 15 x 2	19.50	14.50		1045		9.3	
049880-001	20 x 16 x 2	19.50	15.50		1100		9.9	
049880-013	20 x 18 x 2	19.50	17.50		1250		10.8	
049880-002	20 x 20 x 2	19.50	19.50		1390		11.9	
402271-007	20 x 30 x 2	19.50	29.50		2085		18.2	
049880-006	24 x 12 x 2	23.38	11.38		1000		8.4	
049880-015	24 x 18 x 2	23.50	17.50		1500		13.0	
049880-012	24 x 20 x 2	23.50	19.50		1670		14.3	
049880-005	24 x 24 x 2	23.38	23.38		2000		17.3	
049880-010	25 x 14 x 2	24.50	13.50		1220		10.4	
049880-020	25 x 15 x 2	24.50	14.50		1300		11.6	
049880-016	24 x 16 x 2	24.50	15.50		1335		11.8	
049880-004	25 x 16 x 2	24.50	15.50		1390		12.4	
049880-014	25 x 18 x 2	24.50	17.50		1565		13.5	
049880-003	25 x 20 x 2	24.50	19.50		1740		14.9	
049880-018	25 x 25 x 2	24.50	24.50		2170		19	

1" Deep Filter (actual filter depth 0.88")

Part Number	Nominal Size (inches)	Actual Size (inches)			Airflow Capacity (cfm)	Initial Resistance (inches w.g.)	Total Media Area (sq. ft.)	Pleats per Linear Foot
		Height	Width	Depth				
054862-018	10 x 10 x 1	9.50	9.50	0.88	240	0.23	1.6	16 pleats per linear foot
054862-025	12 x 12 x 1	11.50	11.50		350		2.5	
054862-027	16 x 12 x 1	15.50	11.50		470		3.3	
054862-012	16 x 16 x 1	15.50	15.50		620		4.3	
054862-009	20 x 7 x 1	19.50	6.50		340		2.4	
054862-016	20 x 10 x 1	19.50	9.50		490		3.3	
054862-019	20 x 12 x 1	19.50	11.50		580		4.1	
054862-006	20 x 14 x 1	19.50	13.50		680		4.6	
054862-008	20 x 15 x 1	19.50	14.50		730		5.1	
054862-001	20 x 16 x 1	19.50	15.50		780		5.4	
054862-020	20 x 18 x 1	19.50	17.50		880		6.1	
054862-002	20 x 20 x 1	19.50	19.50		970		6.6	
054862-021	22 x 22 x 1	21.50	21.50		1180		8.2	
054862-022	24 x 10 x 1	23.50	9.50		580		4.0	
054862-010	24 x 12 x 1	23.50	11.50		700		4.9	
054862-026	24 x 14 x 1	23.50	13.50		820		5.5	
054862-015	24 x 16 x 1	23.50	15.50		970		6.7	
054862-028	24 x 18 x 1	23.50	17.50		1050		7.3	
054862-011	24 x 20 x 1	23.50	19.50		1165		8.0	
054862-005	24 x 24 x 1	23.50	23.50		1400		9.8	
054862-023	25 x 10 x 1	24.50	9.50		610		4.1	
054862-024	25 x 12 x 1	24.50	11.50		730		5.2	
054862-007	25 x 14 x 1	24.50	13.50		850		5.7	
054862-013	25 x 15 x 1	24.50	14.50		910		6.4	
054862-004	25 x 16 x 1	24.50	15.50		970		6.7	
054862-017	25 x 18 x 1	24.50	17.50		1100		7.6	
054862-003	25 x 20 x 1	24.50	19.50		1215		8.3	
054862-014	25 x 25 x 1	24.50	24.50		1520		10.5	

Data Notes:

1.0" w.g. recommended final resistance for all depths. System design may dictate an alternative changeout point. Contact factory for guidance.

Has been qualified by Underwriters Laboratories as UL Class 2.

Maximum operating temperature 200° F (93° C).

2" and 4" deep filters rated at 250 feet per minute (fpm) medium and 500 fpm high. 1" deep filter's rated at 175 fpm medium and 350 fpm high.

For product specification in RTF format please go to www.camfilfarr.com.

4" Deep Filter (actual filter depth 3.75")

Part Number	Nominal Size (inches)	Actual Size (inches)			Airflow Capacity (cfm)	Initial Resistance (inches w.g.)	Total Media Area (sq. ft.)	Pleats per Linear Foot
		Height	Width	Depth				
059413-004	20 x 16 x 4	19.38	15.38	3.75	1100	0.27	15.7	11 pleats per linear foot
059413-003	20 x 20 x 4	19.38	19.38		1390		18.9	
059413-002	24 x 12 x 4	23.38	11.38		1000		13.9	
059413-009	24 x 18 x 4	23.38	17.38		1500		20.2	
059413-008	24 x 20 x 4	23.38	19.38		1670		22.7	
059413-001	24 x 24 x 4	23.38	23.38		2000		27.7	
059413-005	25 x 16 x 4	24.38	15.38		1390		19.7	
059413-006	25 x 20 x 4	24.38	19.38		1740		23.6	
059413-010	25 x 25 x 4	24.38	24.38		2170		30.0	
059413-007	25 x 29 x 4	24.38	28.38		2520		35.4	

Data Notes:

1.0" w.g. recommended final resistance for all depths. System design may dictate an alternative changeout point. Contact factory for guidance.

30/30 has been qualified by Underwriters Laboratories as UL Class 2.

Maximum operating temperature 200° F (93° C).

2" and 4" deep filters are rated at 250 feet per minute (fpm) medium and 500 fpm high. 1" deep filters are rated at 175 fpm medium and 350 fpm high.



4" deep 30/30 is available with a header for side-access housing installation. Request Product Sheet 1003.



Available in UL Class One for locations having this building code requirement. Request Product Sheet 1002CL1.

1.0 General

1.1 - Air filters shall be medium efficiency ASHRAE pleated panels consisting of cotton and synthetic media, welded wire media support grid, and beverage board enclosing frame.

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

2.0 Construction

2.1 - Filter media shall be a cotton and synthetic blend, lofted to a uniform depth of 0.15", and formed into a uniform radial pleat.

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 radial pleats and prevent media oscillation.

2.3 - An enclosing frame of no less than 28-point high wet-strength beverage board shall provide a rigid and durable enclosure. The frame shall be bonded to the media on all sides to prevent air bypass. Integral diagonal support members on the air entering and air exiting side shall be bonded to the apex of each pleat 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.

3.2 - Initial resistance to airflow shall not exceed 0.31" for a 2" deep, 0.23 for a 1" deep filter or 0.27" for a 4" deep filter at respective velocities of 500, 350 and 500 fpm.

3.3 - The filter shall be classified by Underwriters Laboratories as UL Class 2.

3.4 - Manufacturer shall guarantee the integrity of the filter pack to 2.0" w.g.

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

Supporting Data - Provide product laboratory test report for each depth listed including all details as prescribed in ASHRAE Standard 52.2. Provide test report data that includes a 'conditioning step' designed to demonstrate that the tested filter maintains efficiency after dust loading.

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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