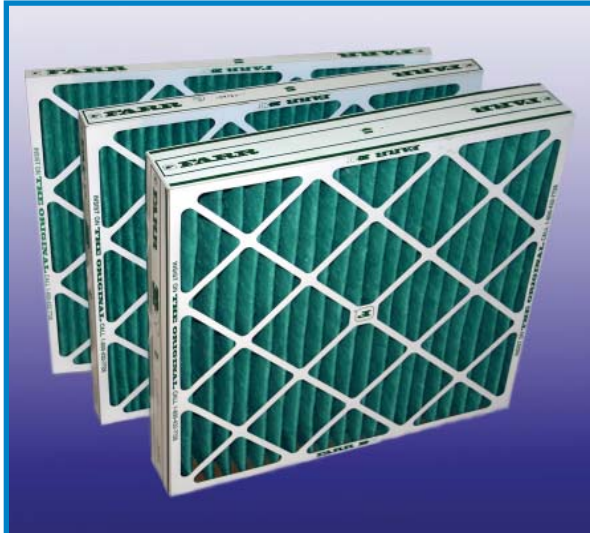


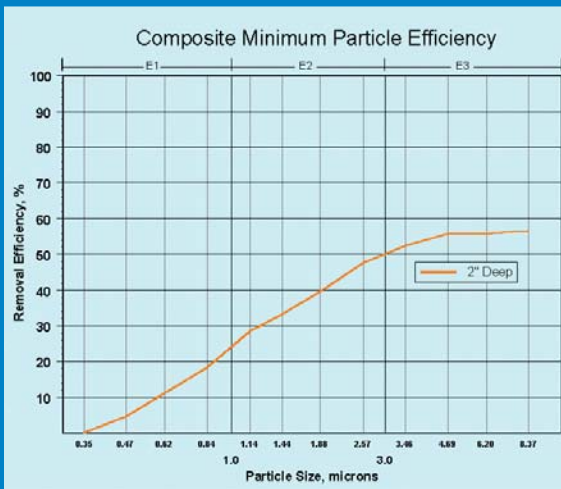


farr 30/30[®]

High-Capacity Pleated Panel Filter



The longest lasting pleated panel filter, guaranteed!



Composite minimum efficiency values when evaluated per ASHRAE Standard 52.2-1999. The 30/30 has a MERV of 7.

The Camfil Farr 30/30 has set the industry standard for pleated panel filters since 1963. With over 40 design enhancements it continues to provide the industry's best value for medium efficiency ASHRAE grade filtration.

Its components of construction are engineered for maintained efficiency, blowout protection, longer life and the most efficient use of energy over the life of the filter. These components include:

- High-lofted cotton and synthetic media blend manufactured by Camfil Farr.
- Radial pleat configuration for full use of the media area and high dust holding capacity.
- A welded wire grid, spot welded on one-inch centers and treated for corrosion resistance, to maintain the radial pleat configuration in varying system velocities.
- A high wet-strength beverage board frame, resistant to moisture, and capable of maintaining pack configuration well beyond the airflow capabilities of most HVAC systems.
- A media to frame sealant ensuring that all of the air seen by the filter will be treated by the filter. Frame to media bypass is eliminated.
- Diagonal support members of high wet-strength beverage board construction engineered with a bridging support effect and bonded to the media ensure uniform pleat spacing and filter pack rigidity.
- Has been qualified by Underwriters Laboratories as UL Class 2.
- Is guaranteed against media pack failure to 2.0" w.g.

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 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
Farr 30/30 [®]	1002 - 0307
Camfil Farr - clean air solutions	

Farr 30/30[®]



The highest media weight and uniform lofting ensure that the 30/30 will outlast any other pleated filter.

Lofted Media Manufactured by Camfil Farr

30/30 media is manufactured by Camfil Farr from a blend of cotton and polyester fibers. The cotton provides media depth for longer life and the poly provides fine fibers for maintained particle capture efficiency. The medium has a loft of 0.15" and has an average media weight of twice that of most competitors. Based upon the quality of incoming raw materials the actual blend is recalculated for optimum performance. Every 30/30 has a manufacturing quality control code to allow Camfil Farr to trace every component of construction to its origination.

Welded Wire Grid Maintains Radial Pleat Design

The media is formed into a radial pleat ensuring 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 pleats, instead of v-shape pleats, allow full usage of media area.



Diagonal support members glued to each pleat at its apex ensure pleat stabilization and filter rigidity.

High Wet-Strength Beverage Board Frame

The high wet-strength beverage board frame, the thickest board in the industry, ensures a stable and non-yielding media pack. Diagonal support members are bonded to each pleat to ensure pleat spacing and add stability to the pack through bridge engineering. The 30/30 is guaranteed to 2.0" w.g. of pressure against the filter without failure. Costly filter blowouts and compromising of HVAC system cleanliness is eliminated. Every 30/30 has a manufacturing quality control code to allow Camfil Farr to trace every component of construction to its origination.



Every filter is identified with a unique production code to allow tracing of components back to raw materials for quality control.

Maintained Efficiency over the Life of the Filter

The 30/30 has a MERV of 7 and increases in efficiency over the life of the filter. Filters with synthetic based media may have a lower initial cost but they lose efficiency during their lifetime. The chart at the right shows the 30/30's initial efficiency, and its increasing efficiency over time.

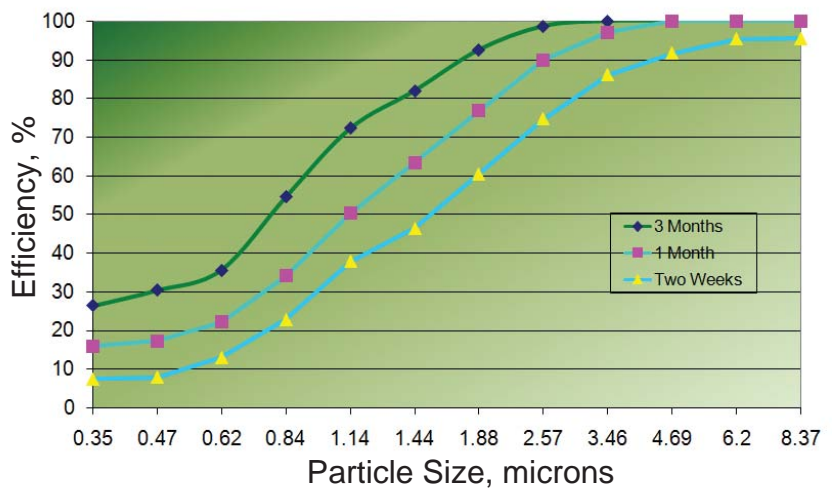
The standard of the industry, by Farr.

Used in most 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. 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.

Efficiency Increase Over Time



2" Deep Filter (actual filter depth 1.75")

Part Number	Nominal Size (inches)	Actual Size (inches)			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	1.88	890	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	0.25	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.
 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 filters 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.
 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 filters rated at 175 fpm medium and 350 fpm high.
 For product specification in RTF format please go to www.camfilfarr.com.



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, 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 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, 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 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 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 7 when evaluated under the guidelines of ASHRAE Standard 52.2-1999. Dust holding capacity when evaluated using ASHRAE test dust shall be at least 170 grams.
- 3.2 - Initial resistance to airflow shall not exceed (0.25", 0.28", 0.27") * w.g. at an airflow of (350, 500, 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.

* 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.

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