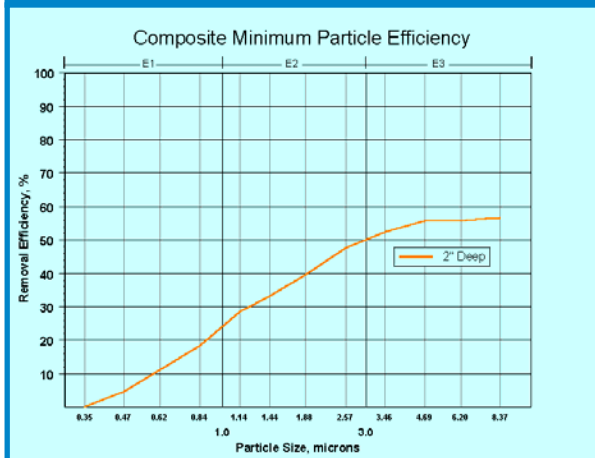


# farr 30/30<sup>®</sup>

High-Capacity Pleated Panel Filter



As the longest lasting, most durable medium efficiency ASHRAE filter, the 30/30<sup>®</sup> has set the industry standard for over 35 years



Values are MERVs when evaluated per ASHRAE 52.2. When evaluated under ASHRAE Standard 52.1 the 30/30 has a dust spot efficiency of 25-30%.



## Industry Standard

The Camfil Farr 30/30<sup>®</sup> has been setting the standard by which other medium-efficiency ASHRAE filters have been judged since 1963. With more than 26 design improvements it continues to provide the best value for your air filtration dollar.

## Exclusive Media Blend

The exclusive media, manufactured by Camfil Farr so quality is assured, is a specific blend of cotton and polyester fibers. This specific blend incorporates mechanical particle capture principles and does not require an electret charge to enhance efficiency; efficiency is maintained throughout the life of the filter. The media is formed into a radial pleat to ensure full use of the media area, this combination provides a MERV 7 ASHRAE efficiency, a uniform low-resistance to airflow over the life of the filter, and a longer life in the system than standard capacity filters. This lower resistance converts to energy savings (IE: An average of \$10.62 per year based upon 10¢ per KWh).

## Efficiency and Strength

The radial pleat is maintained by a welded wire grid that is spot welded on one-inch centers, treated for corrosion resistance and bonded to the media to prevent oscillation. A 28-point high wet-strength beverage board frame, with integral diagonal support members assures filter rigidity in virtually any application. This combination allows Camfil Farr to guarantee the 30/30 to 2.0" w.g. without failure of the media pack.

## Sizes for any Application

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

Camfil Farr	Product sheet
Farr 30/30 <sup>®</sup>	1002 - 1104
Camfil Farr—clean air solutions	

**PERFORMANCE DATA**

**FARR 30/30®**

Nominal Filter Depth	Nominal Size (inches)	Actual Size (inches)			Airflow Capacity (cfm)		Resistance @ Capacity (inches w.g.)		Total Media Area (sq. ft.)	Pleats per Linear Foot
		Height	Width	Depth	Medium	High	Medium	High		
4"	20 x 16 x 4	19.38	15.38	3.75	560	1100	0.07	0.27	15.7	11 pleats per linear foot
	20 x 20 x 4	19.38	19.38		695	1390			18.9	
	24 x 12 x 4	23.38	11.38		500	1000			13.9	
	24 x 18 x 4	23.38	17.38		750	1500			20.2	
	24 x 20 x 4	23.38	19.38		835	1670			22.7	
	24 x 24 x 4	23.38	23.38		1000	2000			27.7	
	25 x 16 x 4	24.38	15.38		695	1390			19.7	
	25 x 20 x 4	24.38	19.38		870	1740			23.6	
	25 x 29 x 4	24.38	28.38	1260	2520	35.4				
2"	20 x 14 x 2	19.50	13.50	1.75	490	975	0.08	0.28	8.3	15 pleats per linear foot
	20 x 12 x 2	19.50	11.88		420	835			7.4	
	20 x 16 x 2	19.50	15.50		550	1100			9.9	
	20 x 18 x 2	19.50	17.50		625	1250			10.8	
	20 x 20 x 2	19.50	19.50		695	1390			11.9	
	24 x 12 x 2	23.38	11.38		500	1000			8.4	
	24 x 18 x 2	23.50	17.50		750	1500			13.0	
	24 x 20 x 2	23.50	19.50		835	1670			14.3	
	24 x 24 x 2	23.38	23.38		1000	2000			17.3	
	25 x 16 x 2	24.50	15.50		695	1390			12.4	
	25 x 18 x 2	24.50	17.50		780	1565			13.5	
	25 x 20 x 2	24.50	19.50		870	1740			14.9	
1"	24 x 12 x 1	23.50	11.50	0.88	350	700	0.08	0.25	4.9	16 pleats per linear foot
	20 x 14 x 1	19.50	13.50		340	680			4.6	
	20 x 15 x 1	19.50	14.50		365	730			5.1	
	20 x 16 x 1	19.50	15.50		390	780			5.4	
	20 x 20 x 1	19.50	19.50		485	970			6.6	
	24 x 20 x 1	23.50	19.50		580	1165			8.0	
	24 x 24 x 1	23.50	23.50		700	1400			9.8	
	25 x 14 x 1	24.50	13.50		425	850			5.7	
	25 x 16 x 1	24.50	15.50		485	970			6.7	
	25 x 20 x 1	24.50	19.50		610	1215			8.3	

**DATA NOTES:**

1.0" w.g. recommended final resistance. System design may dictate a lower change-out point. Maximum operating temperature 200° F (93° C). 2" & 4" filters rated at 250 fpm medium and 500 fpm high. 1" filters rated at 175 fpm medium and 350 fpm high.

**SPECIFICATIONS**

**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 0.18", 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, 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 7 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. Minimum dust holding capacity when evaluated under this Standard shall be no less than 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 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.

\* 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.*

**Camfil Farr, Inc.**

