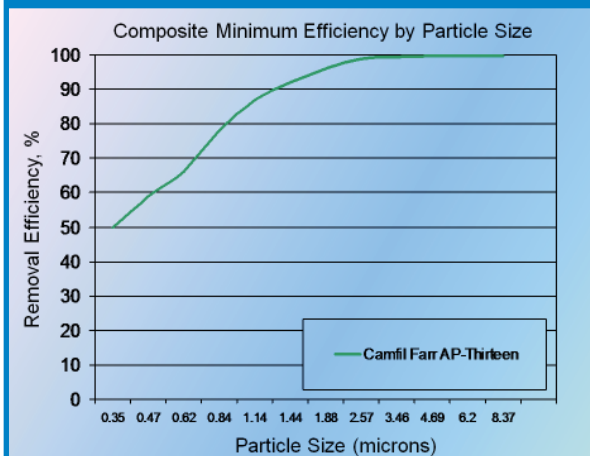


AP-Thirteen

High Efficiency, High-Capacity, Pleated Panel Filter for Meeting LEED¹ Requirements



High efficiency filtration meeting the needs for a 2" or 4" deep MERV 13 pleated panel for LEED facility certification



The efficiency chart above is extrapolated from particle size versus efficiency information when evaluated per ASHRAE Standard 52.2.

The Camfil Farr AP-Thirteen extended surface pleated filter offers filtration for applications that have 2" or 4" deep filter tracks. The AP-Thirteen is a MERV 13 filter when evaluated per ASHRAE Standard 52.2 and meets the requirements for minimum filtration efficiency, as published in LEED manuals for new or existing buildings. The AP-Thirteen may reduce the size of the HVAC system, saving valuable mechanical area floor space. It also simplifies the upgrading of in-place systems, allowing existing units to meet LEED requirements without major equipment modification.

Standard pleated filters remove nuisance dusts, lint and contaminants associated with staining, and are primarily designed to protect equipment and act as prefilters. As a stand-alone filter, the AP-Thirteen will perform these tasks and removes sub-micron particles, defined as lung-damaging by cognizant authorities. The AP-Thirteen, according to filtration application design manuals, can be used as the only filter for special process areas, electrical shops, paint shops, average general offices and laboratories. Other applications include analytical laboratories, electronics shops, drafting areas, conference rooms, and above-average general offices.

Built for today's HVAC systems, the AP-Thirteen:

- Has 15 pleats per linear foot in a 2" nominal depth or 11 pleats per linear foot in a 4" nominal depth. The radial pleat design ensures full use of media area and a longer filter life.
- Includes a synthetic fiber blend with a unique media loft that provides high efficiency ASHRAE MERV 13 performance and high dust-holding capacity.
- Has a welded wire media grid backing, treated for corrosion resistance, preventing media oscillation or filter pack failure as filter pressure drop increases.
- Has a biodegradable Kraft board frame that creates a rigid and durable filter pack. The frame is made of virgin board produced under an initiative for sustainable forest management. Virgin board has up to two times the strength of board constructed of recycled materials. The AP-Thirteen will not bow or deflect and is guaranteed to 2.0" w.g.

These combined features allow the AP-Thirteen to outlast other MERV 13 pleated panels by a factor of 20% or more resulting in the lowest total cost of ownership (TCO).

¹ LEED, Leadership in Energy and Environmental Design is a registered trademark of the United States Green Building Council.



Camfil Farr	Product sheet
AP-Thirteen	1038 - 0909
Camfil Farr - clean air solutions	

PERFORMANCE DATA

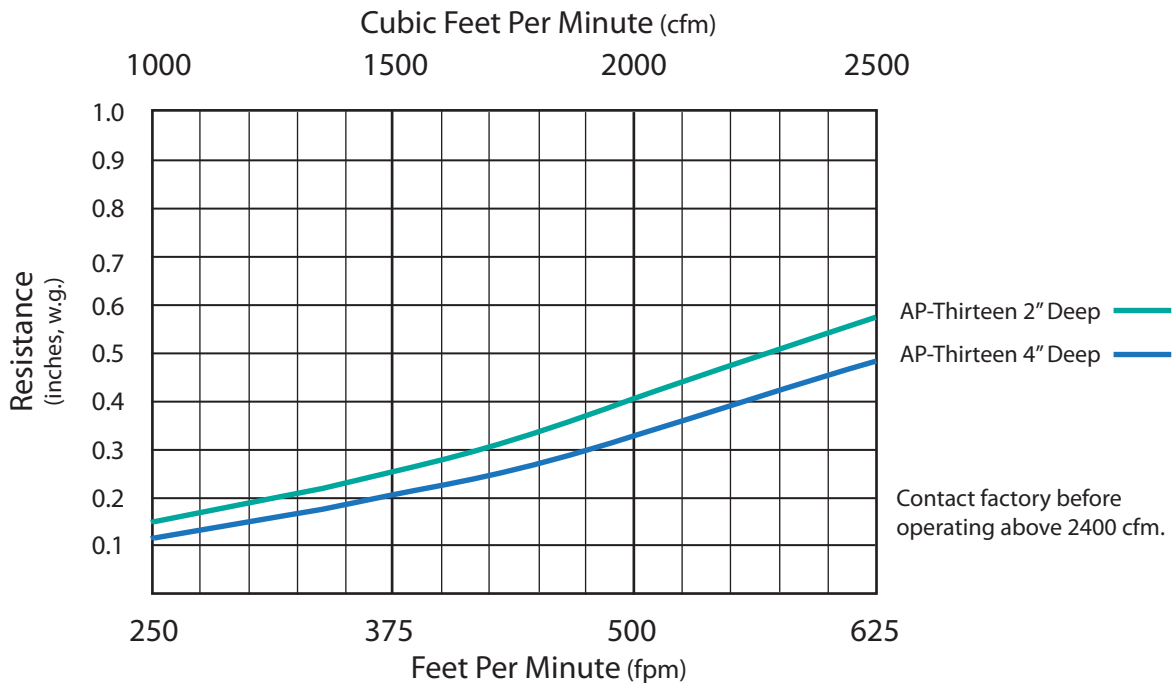
AP-THIRTEEN

Part Number	Nominal Depth (inches)	Nominal Size (inches)	Actual Size (inches)			Initial Resistance (inches, w.g.)	Airflow Capacity (cfm)	Total Media Area (square feet)	Number of Pleats
			Depth	Height	Width				
405414-004	4	20 x 16	3.75	19.38	15.38	0.33	1110	15.6	11 pleats per linear foot
405414-003		20 x 20		19.38	19.38		1390	18.8	
405414-002		24 x 12		23.38	11.38		1000	13.8	
405414-009		24 x 16		23.38	15.38		1330	18.7	
405414-008		24 x 18		23.38	17.38		1500	20.1	
405414-007		24 x 20		23.38	19.38		1670	22.5	
405414-001		24 x 24		23.38	23.38		2000	27.5	
405414-005		25 x 16		24.38	15.38		1390	19.5	
405414-006		25 x 20		24.38	19.38		1740	23.5	
405413-010		2		20 x 14	1.75		19.50	13.50	
405413-014	20 x 12		19.50	11.50		830	7.3		
405413-001	20 x 16		19.50	15.50		1110	9.8		
405413-002	20 x 20		19.50	19.50		1390	11.7		
405413-006	24 x 12		23.38	11.38		1000	8.3		
405413-012	24 x 16		23.50	15.50		1335	11.8		
405413-008	24 x 18		23.50	17.50		1500	12.9		
405413-007	24 x 20		23.50	19.50		1670	14.1		
405413-005	24 x 24		23.38	23.38		2000	17.3		
405413-004	25 x 16		24.50	15.50		1390	12.3		
405413-009	25 x 18		24.50	17.50		1565	13.5		
405413-003	25 x 20		24.50	19.50		1740	14.7		
405413-011	25 x 14		24.50	13.50		1220	10.4		
405413-012	24 x 16		23.50	15.50		1335	11.8		
405413-013	25 x 25		24.50	24.50		2170	19.0		

DATA NOTES:

1.0" w.g. recommended maximum final resistance. System design may dictate a lower change-out point.
 The AP-Thirteen filter is classified by Underwriters Laboratories as UL 900. Maximum operating temperature 200° F (93° C).
 Performance in tolerance with ARI Standard 850.

Initial Resistance Versus Airflow



Detailed specifications for Camfil Farr products are available at www.camfilfarr.com.

Camfil Farr is committed to continuous research, development and product improvement. We reserve the right to change designs and specifications without notice.

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