



The Camfil 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.

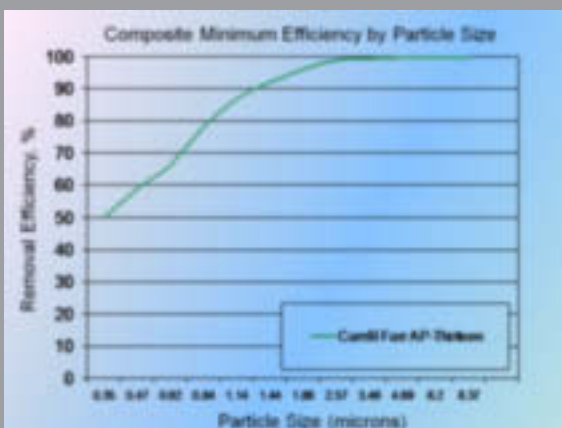
Standard pleated filters remove nuisance dusts, lint and contaminants associated with staining, and are primarily designed to protect equipment and act as prefilters. As a stand-alone filter, the AP-Thirteen will perform these tasks and removes sub-micron particles, defined as lung-damaging by cognizant 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 high wet-strength beverage board frame that creates a rigid and durable filter pack. 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).

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.

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

## Performance Data

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	0.41	975	8.3	15 pleats per linear foot
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	

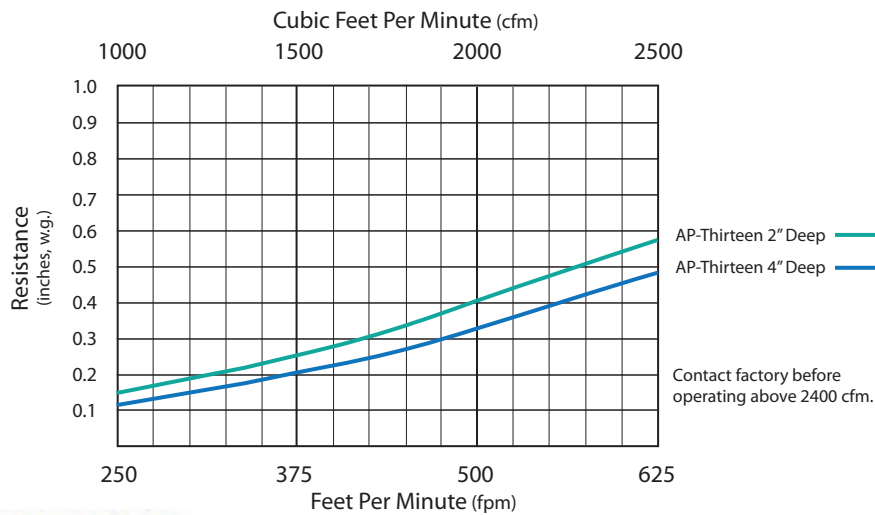
**DATA NOTES:**

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



For detailed specifications please consult your local Camfil Distributor or Representative or [www.camfil.com](http://www.camfil.com).

Camfil has a policy of uninterrupted research, development and product improvement. We reserve the right to change designs and specifications without notice.

