



AP-Thirteen

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



The Camfil AP-Thirteen extended surface pleated filter offers filtration for applications that have 1", 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.

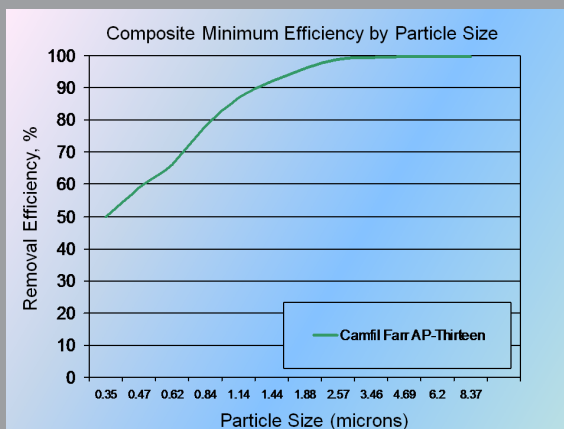
Standard pleated filters remove nuisance dusts, lint and contaminants associated with staining, and are primarily designed to protect equipment and act as prefilters. As a stand-alone filter, the AP-Thirteen will perform these tasks and removes sub-micron particles, defined as lung-damaging by cognizant 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 16 pleats per linear foot on 1", 15 pleats per linear foot on 2" and 11 pleats per linear foot on 4" nominal depths. 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.

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 1", 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.

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



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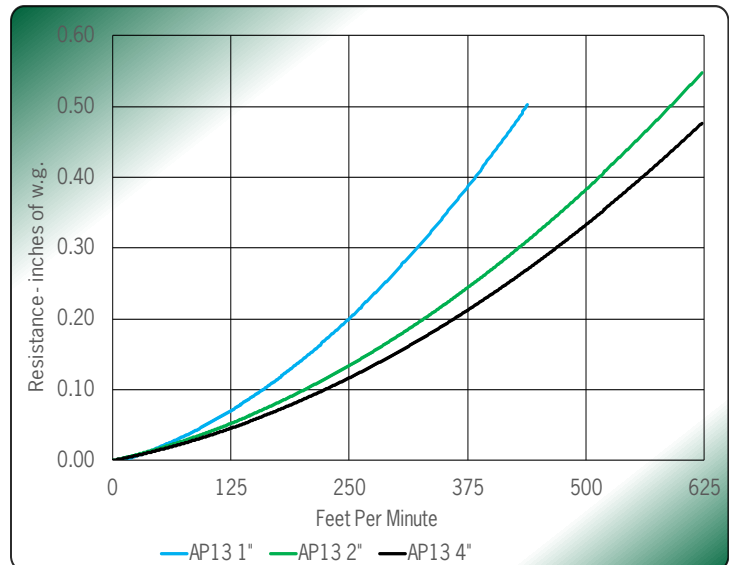
High Efficiency, High-Capacity, Pleated Panel Filter for Meeting LEED¹ Requirements

Performance Data

1" Nominal Depth	Part Numbers	Nominal Size (inches)	Initial Resistance (inches, w.g.)	Airflow Capacity (cfm)	Total Media Area (sq ft)
16 Pleats per Lin. Ft.	406769001	20x16	0.36	770	5.4
	406769002	20x20		970	6.7
	406769003	25x20		1210	8.5
	406769004	25x16		970	6.7
	406769005	24x24		1400	9.8
	406769006	20x14		680	4.7
	406769007	24x20		1160	8.1
	406769008	20x15		720	5.0
	406769009	24x12		700	4.8
	406769010	24x16		930	6.5
	406769011	25x14		850	5.9
	406769012	20x10		480	3.3
	406769013	25x25		1510	10.7
	406769014	25x18		1090	7.6
	406769016	16x16		620	4.3
	406769018	20x12		580	4.0
	406769019	20x18		870	6.1
	406769020	22x22		1170	8.2
	406769021	24x10		580	4.0
	406769022	25x10		600	4.1
	406769023	25x12		720	5.0
	406769024	25x15		910	6.3
	406769026	24x14		810	5.6
	406769027	16x12		460	3.2
	406769028	24x18		1050	7.3
	406769029	20x30		1450	10.2
	406769030	18x14		615	4.2

2" Nominal Depth	Part Numbers	Nominal Size (inches)	Initial Resistance (inches, w.g.)	Airflow Capacity (cfm)	Total Media Area (sq ft)
15 Pleats per Lin. Ft.	405413001	20x16	0.41	1110	9.6
	405413002	20x20		1380	12.0
	405413003	25x20		1730	15.1
	405413004	25x16		1380	12.0
	405413005	24x24		2000	17.3
	405413006	24x12		1000	8.4
	405413007	24x20		1660	14.5
	405413008	24x18		1500	13.0
	405413009	25x18		1560	13.6
	405413010	20x14		970	8.3
	405413011	25x14		1210	10.5
	405413012	24x16		1330	11.5
	405413013	25x25		2170	19.0
	405413014	20x12		830	7.1
	405413015	20x10		690	5.9
	405413016	16x16		880	7.6
	405413017	20x15		1040	8.9
	405413018	20x18		1250	10.8
	405413019	25x15		1300	11.2
	405413020	16x25		1380	12.0
	405413021	20x24		1660	14.5
	405413022	20x25		1730	15.1
	405413023	20x30		2080	18.2

4" Nominal Depth	Part Numbers	Nominal Size (inches)	Initial Resistance (inches, w.g.)	Airflow Capacity (cfm)	Total Media Area (sq ft)
11 Pleats per Lin. Ft.	405414001	24x24	0.36	2000	27.5
	405414002	24x12		1000	13.4
	405414003	20x20		1380	18.9
	405414004	20x16		1110	15.0
	405414005	25x16		1380	18.9
	405414006	25x20		1730	23.8
	405414007	24x20		1660	22.8
	405414008	24x18		1500	20.4
	405414009	24x16		1330	18.1
	405414013	16x25		1380	18.9
	405414014	20x24		1660	22.8
	405414015	20x25		1730	23.8



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 175° F. (79° C). Performance in tolerance with ARI Standard 850.



For detailed specifications and exact height, width and depth of each size, consult your local Camfil Distributor, Representative or

www.camfil.com or AP-Thirteen

Camfil 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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