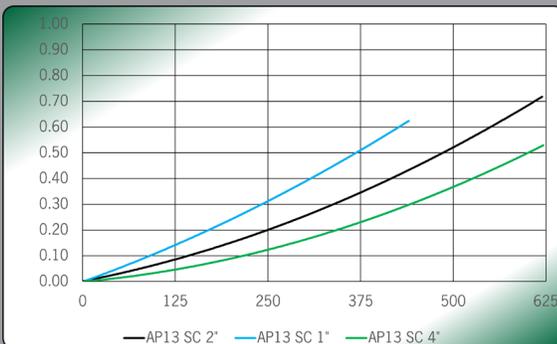




The Camfil AP-Thirteen SC extended surface pleated filter offers filtration for applications that have 1", 2" or 4" deep filter tracks. The AP-Thirteen SC is a MERV 13 filter when evaluated per ASHRAE Standard 52.2 and meets the requirements for minimum filtration efficiency as published in LEED manuals for new or existing buildings. The AP-Thirteen SC 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 SC will perform these tasks and removes sub-micron particles, defined as lung-damaging by cognizant authorities. The AP-Thirteen SC, 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.

**High efficiency filtration to achieve MERV 13 minimum recommendations in 1", 2" or 4" deep pleated panel applications.**



The above chart shows resistance to airflow up to 2500 CFM.

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

- Has 10 pleats per linear foot on the 2-inch model.
- Includes a synthetic fiber blend with a unique media loft that provides high efficiency ASHRAE MERV 13 performance with good dust-holding capacity.
- Has an expanded metal backing treated for corrosion resistance and bonded to the downstream side of the media to prevent media oscillation.
- Has a high wet-strength beverage board frame that creates a rigid and durable filter pack. The AP-Thirteen SC will not bow or deflect.

## Performance Data

1" Nominal Depth Δp of 0.49" w.g.			
Part Number	Nominal Size (inches)	Airflow Capacity (cfm)	Media Area (sq ft)
406930003	25X20X1	1210	6.8
406930002	20X20X1	970	5.4
406930010	24X16X1	930	5.1
406930029	20X30X1	1450	8.1
406930001	20X16X1	770	4.3
406930004	25X16X1	970	5.4
406930030	18X14X1	610	4.2
406930005	24X24X1	1400	7.8
406930006	20X14X1	680	3.7
406930007	24X20X1	1160	6.5
406930008	20X15X1	720	4
406930009	24X12X1	700	3.8
406930011	25X14X1	850	4.7
406930012	20X10X1	480	2.6
406930013	25X25X1	1510	8.5
406930014	25X18X1	1090	6.1
406930016	16X16X1	620	3.4
406930018	20X12X1	580	3.2
406930019	20X18X1	870	4.8
406930020	22X22X1	1170	6.5
406930021	24X10X1	580	3.2
406930022	25X10X1	600	3.3
406930023	25X12X1	720	4
406930024	25X15X1	910	5
406930026	24X14X1	810	4.5
406930027	16X12X1	460	2.5
406930028	24X18X1	1050	5.8

2" Nominal Depth Δp of 0.51" w.g.			
Part Number	Nominal Size (inches)	Airflow Capacity (cfm)	Media Area (sq ft)
406931004	25X16X2	1380	8.4
406931002	20X20X2	1380	8.4
406931003	25X20X2	1730	10.6
406931001	20X16X2	1110	6.7
406931005	24X24X2	2000	12.1
406931007	24X20X2	1660	10.1
406931008	24X18X2	1500	9.1
406931006	24X12X2	1000	5.9
406931023	20X30X2	2080	12.7
406931012	24X16X2	1330	8.1
406931017	20X15X2	1040	10.6
406931010	20X14X2	970	5.8
406931009	25X18X2	1560	9.5
406931020	16X25X2	1380	8.4
406931022	20X25X2	1730	10.6
406931011	25X14X2	1210	7.3
406931013	25X25X2	2170	13.3
406931015	20X10X2	690	4.1
406931016	16X16X2	880	5.3
406931014	20X12X2	830	5
406931018	20X18X2	1250	7.6
406931019	25X15X2	1300	7.9
406931021	20X24X2	1660	10.1

4" Nominal Depth Δp of 0.37" w.g.			
Part Number	Nominal Size (inches)	Airflow Capacity (cfm)	Media Area (sq ft)
406950006	25X20X4	1730	19.6
406950008	24X18X4	1500	16.9
406950002	24X12X4	1000	11.1
406950004	20X16X4	1110	12.4
406950005	25X16X4	1380	15.6
406950003	20X20X4	1380	15.6
406950007	24X20X4	1660	16.9
406950001	24X24X4	2000	11.1
406950009	24X16X4	1330	14.9
406950010	16X25X4	1380	15.6
406950011	20X24X4	1660	18.8
406950012	20X25X4	1730	19.6

### DATA NOTES:

- To establish a schedule for filter change, record initial pressure drop when installed, order filters for change when pressure drop has doubled and service unit when replacements are available.
- 1.0" w.g. recommended maximum final resistance. System design may dictate a lower change-out point.
- The AP-Thirteen SC filter is classified by Underwriters Laboratories as UL 900.
- Maximum operating temperature 175° F. (70° C).
- Tolerances in accordance with ARI Standard 850

## Specifications

### 1.0 General

**1.1** - Air filters shall be medium efficiency ASHRAE pleated panels consisting of a synthetic media blend, 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 synthetic blend, lofted to a uniform depth, and formed into a uniform radial pleats. There shall be at least 12, 10 or 9 pleats per linear foot for 1" deep, 2" deep or 4" deep filters respectively.

**2.2** - An expanded metal backing treated for corrosion resistance, shall be bonded to the downstream side of the media to prevent media oscillation.

**2.3** - An enclosing frame, of 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 existing 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 13 when evaluated under the guidelines of ASHRAE Standard 52.2.

**3.2** - Initial resistance to airflow shall not exceed 0.49", 0.51" or 0.37" w.g. at an airflow of 350 or 500 fpm on 1", 2" or 4" deep models respectively.

**3.3** - The filter shall be classified by Underwriters Laboratories as UL Class 900.

**3.4** - Manufacturer shall provide evidence of facility certification to ISO 9001:2015.

**Supporting Data** - Provide product test reports for each listed efficiency including all details as prescribed in ASHRAE Standard 52.2.

Filter shall be Camfil AP-Thirteen SC or equal.



For detailed specifications and exact height, width and depth of each size, consult your local Camfil Distributor, Representative or [AP-Thirteen SC](#). Camfil has a policy of uninterrupted research, development and product improvement. We reserve the right to change designs and specifications without notice.