CityPleat

1000 and 1500 Particulate and Molecular Filter

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- **Combination air filter for the removal of particulates (MERV 7) and odors/gases**
- **Camfil RAD high-preformance media technology**
- **Moisture resistant beverage board frame**
- **Individually packaged to ensure performance on installation**

One of the common applications for these filters, is to address odors created during nearby tarred roofing replacement or repairs. Carbon pleats offer a good solution to a temporary problem.

The CityPleat features a combination filter that removes particulate, gases, and odors. It is recommended for use in all types of HVAC systems (both indoor and outdoor air) in a wide variety of residential and commercial applications when only a 2" or 4" space is available.*

COMFORT AIR

It is available in wide range of sizes, depths, and media capacities to offer relief from unpleasant odors including human bioeffluents, food preparation, waste products, plus a variety of other objectionable sources.

This combination filter has a MERV 7 prefilter stage to protect equipment and secondary filters and is heat-bonded to Camfil's Rapid Adsorption Dynamic (RAD) media layer. The RAD media then receives air from which dirt particles have been removed to provide a better initial removal efficiencies and longer lifetime against offensive molecular contaminants.

The combination media pack is sealed into a die-cut, moisture-resistant beverage board frame to prevent air bypass and provide for easy disposal. Each filter is packaged individually and sealed to allow for safe storage and to prevent premature exposure of the molecular media.

The CityPleat is available in two configurations, two depths and four sizes; 24" by 24", 24" by 20", 24 by 12" and 20" by 20". The CityPleat 1000 is designed for light-duty applications that involve low concentrations of gaseous contaminants or applications requiring gaseous removal for a relatively short period of time. The CityPleat 1500 has the same contaminant removal efficiency and will operate effectively for a longer period.

Both CityPleat models also provide a solution to geographic areas that have been identified by the US EPA has non-attainment areas in terms of levels of ozone as published in the National Ambient Air Quality Standards by the United States Environmental Protection Agency (EPA).

* Comfort Air refers to a general application where there is a desire to improve the air quality within a space, especially as it relates to the comfort (odor control) of building occupants.Some examples include athletics, education, hospitality, odor complaints, office buildings and retail.

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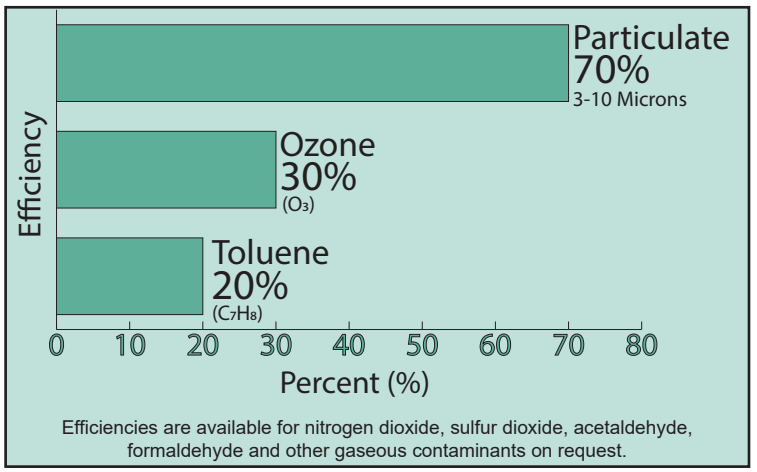
Performance Data

Model Designator	Part Number	Rated Airflow (cfm)	Nominal Size (inches)	Media Area (ft^2)	MERV / Ozone Ratings	Initial Resistance (nches w.g.)	Weight (lbs)
CityPleat 1000							
CP1000-24x24x2	406457005	2000	24 x 24 x 2	15.70	MERV 7 Oz 5 Rating (>50% Ozone removal efficiency)	0.58	1000
CP1000-24x20x2	406457012	1670	24 x 20 x 2	22.60			838
CP1000-24x12x2	406457006	1000	24 x 12 x 2	11.00			487
CP1000-20x20x2	406457002	1390	20 x 20 x 2	15.70			696
CityPleat 1500							
CP1500-24x24x4	406460005	2000	24 x 24 x 4	36.30	MERV 7 Oz 5 Rating (>50% Ozone removal efficiency)	0.47	1500
CP1500-24x20x4	406460012	1670	24 x 20 x 4	30.30			1257
CP1500-24x12x4	406460006	1000	24 x 12 x 4	17.70			730
CP1500-20x20x4	406460002	1390	20 x 20 x 4	25.20			1043

PRODUCT NOTES:
Minimum Efficiency Reporting Value MERV) per ASHRAE Filter Testing Standard 52.2.
Maximum operating temperature 170° F (70° C).
70% RH maximum for optimum adsorption.
Filters may be installed with the pleats either vertical (preferred) or horizontal. Other media and applications available by special order. Contact the factory.

Initial Removal Efficiencies

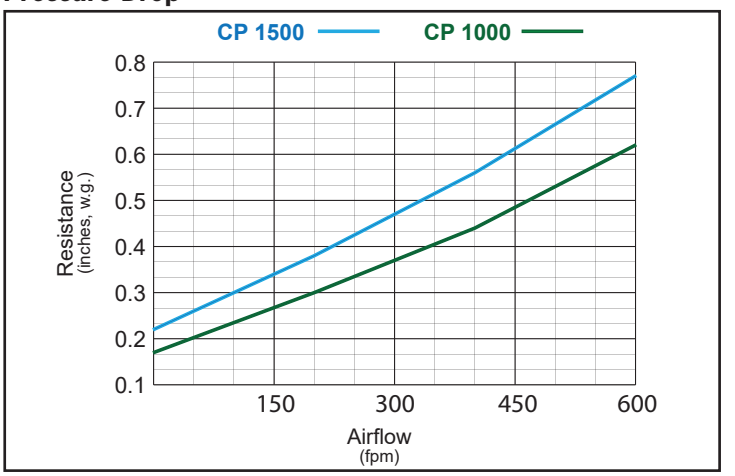


Efficiencies are available for nitrogen dioxide, sulfur dioxide, acetaldehyde, formaldehyde and other gaseous contaminants on request.

Camfil's unique molecular filtration testing laboratory runs tests according to the following standards: ASHRAE 145.1, ASHRAE 145.2, ISO 10121-1 and ISO 10121-2. The initial removal efficiencies referenced in the chart above were determined by challenging full size (24" x 24") filters with realistic gas concentrations in 2,000 CFM of air at 50% RH and 72F. More information on this unique testing facility can be provided.

Lifetime note for molecular contaminant removal products: The actual lifetime for your application can vary drastically depending on concentration of gases, flow rate, temperature, and/or relative humidity. Contact your local distributor, representative or Camfil for application guidence.

Pressure Drop



(Schedule air filters for change when initial pressure drop has doubled.)
Final pressure drop should not exceed 1.2" w.g.

For detailed specifications or drawing, please consult your local Camfil Distributor or Representative or download from the Molecular Toolbox located in the Segments Tab of CamTab File Archive at www.camfil.us. For assistance specific to this product please contact your local Camfil distributor or representative, or Camfil's Washington, NC facility at Sales-WA@camfil.com or all toll-free at (877) 658-6588.

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

Certified Quality System

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