

- **Combination air filter for the removal of particulates and odors/gases**
- **Camfil RAD high-performance 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 Camfil CityPleat is a combination particulate and molecular air filter suitable for a wide range of HVAC systems capable of holding a two or four-inch deep filter and where removing particulate matter and controlling odors, and gaseous contaminants in a single air filter is desired.

The particulate features of the CityPleat include:

- Synthetic media ideally suited as a prefilter to protect downstream equipment and secondary filters.
- MERV 7 according to ASHRAE Standard 52.2 - 2017 that removes larger dirt particles and offers protection to the downstream molecular media.

The molecular features of the CityPleat include :

- A layer of Camfil's Rapid Adsorption Dynamic (RAD) filter media.
- The RAD media utilizes activated carbon adsorbent to remove unpleasant odors and hazardous gases using the principle of adsorption filtration.
- Ozone rating of OZ 5 >50% removal efficiency.

The two medias are heat-bonded together to form a single media pack and then sealed into a die-cut, moisture-resistant beverage board frame that prevents by-pass. Each filter is packaged individually and sealed to allow for safe storage and to prevent exposure to the molecular media. The materials used allow for safe disposal when the extended service life is reached.

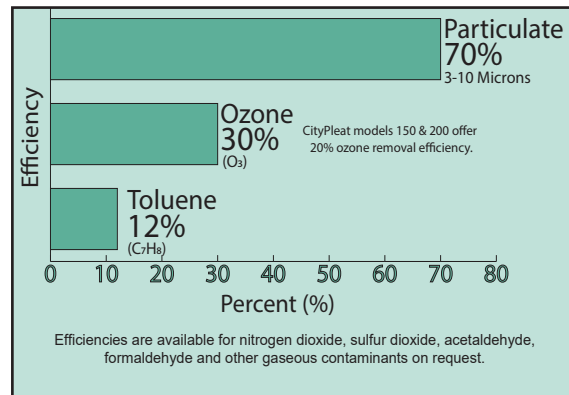
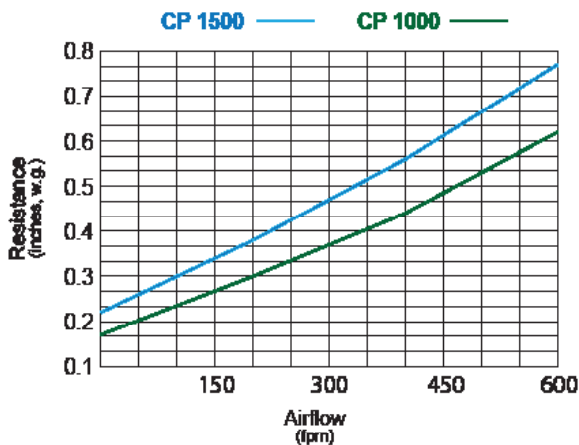
The service life of the adsorbent media varies with the amount of RAD media and is based upon the CityPleat model selected, the 2-inch CP-1000 or the 4-inch 1500. Actual service life is dependent upon the level of odors or gases in each application.

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

Performance Data

CityPleat CP1000 2-inch depth combination particulate / molecular panel filter					
Part Number	Nominal Size	Rated Airflow (cfm)	Media Area (sq ft)	Weight (grams)	MERV / Ozone
407139002	20X20X2	1390	25.50	696	MERV 7 Oz 5 (50% Ozone removal efficiency)
407139005	24X24X2	2000	22.60	1000	
407139006	24X12X2	1000	11.00	487	
407139012	24X20X2	1670	18.90	838	

CityPleat CP1500 4-inch depth combination particulate / molecular panel filter					
Part Number	Nominal Size	Rated Airflow (cfm)	Media Area (sq ft)	Weight (grams)	MERV / Ozone
407142002	20X20X4	1930	25.20	1043	MERV 7 Oz 5 (50% Ozone removal efficiency)
407142005	24X24X4	2000	36.30	1500	
407142006	24X12X4	1000	17.70	730	
407142012	24X20X4	1670	30.30	1257	



Camfil's unique molecular filtration testing laboratory runs tests according to the following standards: ASHRAE 145.1, ASHRAE 145.2, ISO 10121-3 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 72°F. 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 the concentration of gases, flow rate, temperature, and/or relative humidity. Contact your local distributor, representative or Camfil for application guidance.



For detailed specifications and exact height, width, depth and molecular media of each size, consult your local Camfil Distributor, Representative, or [CityPleat 1000 - 1500](#) Camfil has a policy of uninterrupted research, development and product improvement. We reserve the right to change designs and specifications without notice.