



- **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.
- Depending on the model, a range from MERV 7 to MERV 11 filtration media that removes 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.
- Options for selecting models with varying amounts of adsorbent to maximize service life.

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, beginning at CP-150 and increasing through CP-500. 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 CP150 1-inch depth $\Delta p$ of 0.46" w.g.					
Part Number	Nominal Size	Rated Airflow (cfm)	Media Area (sq ft)	Weight (grams)	MERV / Ozone
407136002	20X20X1	970	6.60	104	MERV 8 Oz 2 (>20% Ozone removal efficiency)
407136003	25X20X1	1215	8.30	131	
407136005	24X24X1	1400	9.80	150	
407136006	24X12X1	700	5.00	74	
407136012	24X20X1	1165	7.90	126	

CityPleat CP400 4-inch depth $\Delta p$ of 0.49" w.g.					
Part Number	Nominal Size	Rated Airflow (cfm)	Media Area (sq ft)	Weight (grams)	MERV / Ozone
407140002	20X20X4	1380	14.40	278	MERV 7 Oz 2 (>20% Ozone removal efficiency)
407140005	24X24X4	2000	22.70	400	
407140006	24X12X4	1000	10.10	195	
407140012	24X20X4	1660	16.70	335	

CityPleat CP200 2-inch depth $\Delta p$ of 0.47" w.g.					
Part Number	Nominal Size	Rated Airflow (cfm)	Media Area (sq ft)	Weight (grams)	MERV / Ozone
407137001	20X16X2	1110	6.42	111	MERV 7 Oz 2 (>20% Ozone removal efficiency)
407137002	20X20X2	1380	8.20	139	
407137003	25X20X2	1730	10.20	175	
407137004	25X16X2	1380	8.20	139	
407137005	24X24X2	2000	11.60	200	
407137006	24X12X2	1000	5.50	97	
407137012	24X20X2	1660	9.80	168	

CityPleat CP500 4-inch depth $\Delta p$ of 0.48" w.g.					
Part Number	Nominal Size	Rated Airflow (cfm)	Media Area (sq ft)	Weight (grams)	MERV / Ozone
407141002	20X20X4	1380	18.90	348	MERV 11 Oz 3 (>30% Ozone removal efficiency)
407141005	24X24X4	2000	22.70	500	
407141006	24X12X4	1000	13.70	243	
407141012	24X20X4	1660	27.50	419	

CityPleat CP300 2-inch depth $\Delta p$ of 0.42" w.g.					
Part Number	Nominal Size	Rated Airflow (cfm)	Media Area (sq ft)	Weight (grams)	MERV / Ozone
407138001	20X16X2	1110	9.9	166	MERV 11 Oz 3 (>30% Ozone removal efficiency)
407138002	20X20X2	1380	11.90	209	
407138003	25X20X2	1730	14.90	262	
407138004	25X16X2	1380	12.40	208	
407138005	24X24X2	2000	17.30	300	
407138006	24X12X2	1000	8.40	146	
407138012	24X20X2	1660	14.30	251	

Camfil's unique molecular filtration testing laboratory tests filters 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 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 guidance.

