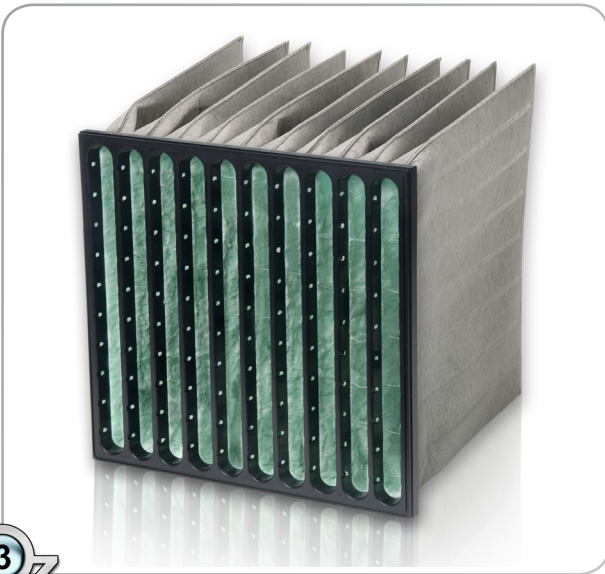




City-Flo® XL

Particulate and Molecular Air Filtration



3Z

Energy saving, low resistance air filter for control of particulate and gaseous contaminants. The City-Flo XL addresses today's green building concerns.



The City-Flo XL energy saving, bag style filter addresses the indoor air quality needs of today's green buildings and may be applied in applications where particulate and odorous contaminants may of concern. The City-Flo XL is ideal for removing contaminants associated with harsh urban environments. Additionally, the filter can be applied to reduce outside air during temperature extremes through application of the Indoor Air Quality Procedure as outlined in *ASHRAE Standard 62.1, Ventilation for Acceptable Indoor Air Quality*.

Its unique tapered pocket design and single-piece casting plastic header ensure the lowest life-cycle cost and maintains configuration integrity through varying airflows or HVAC system turbulence.

The media is constructed from a unique high efficiency glass media bonded to a broad spectrum carbon adsorbent blend to provide efficient dust and odor control.

The City-Flo XL has a minimum efficiency reporting value (MERV) of 13 and a MERV-A of 13 when evaluated per ASHRAE Standard 52.2 to meet the minimum requirement for commercial applications designed to LEED (*Leadership in Energy and Environmental Design*) as established by the United States Green Building Council (USGBC). It's fine fiber media maintains rated efficiency throughout the life of the product.

City-Flo XL has an ozone removal value exceeding 30% according to the unique rating system introduced by Camfil (O_3). Ozone is a pollutant known to be harmful to human health that is found in city center air, especially when high concentrations of traffic fumes are present and there are high levels of UV light from the sun. The World Health Organization (WHO) publishes guidelines for maximum human exposure to ozone. Contact factory for additional guidance or removal efficiencies on other gaseous contaminants.

To maintain adsorbent integrity, each City-Flo XL is individually bagged and boxed to provide full published efficiency at the point of installation.

Ideal for office buildings, retail stores, food and beverage areas, shopping centers, schools and other public buildings where ambient air quality or energy savings through the reduction of ventilation air may be a concern.



A full length tapered pocket design minimizes pocket-to-pocket contact maximizing media use and ensuring maintained low resistance to airflow.

* Market applications on next page.



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Performance Data

Model Designator	Part Number	Rated Airflow (cfm)	Nominal Size (inches)	Media Area (ft²)	MERV / Ozone Ratings	Initial Resistance (inches, w.g.)	Weight (lbs)
CFMV13/24/24/22/10	405780A22	2000	24x24x22	71.5	MERV 13 MERV 13-A O ₃ (>30% Ozone removal efficiency)	0.40	8.0
CFMV13/24/20/22/18	405780B22	1600	24x20x22	58.2			6.0
CFMV13/24/12/22/5	405780C22	1000	24x12x22	35.8			4.0
CFMV13/20/20/22/8	405780D22	1320	20X20x22	48.4			5.0
CFMV13/20/24/22/10	405780E22	1600	20X24x22	60.6			6.0

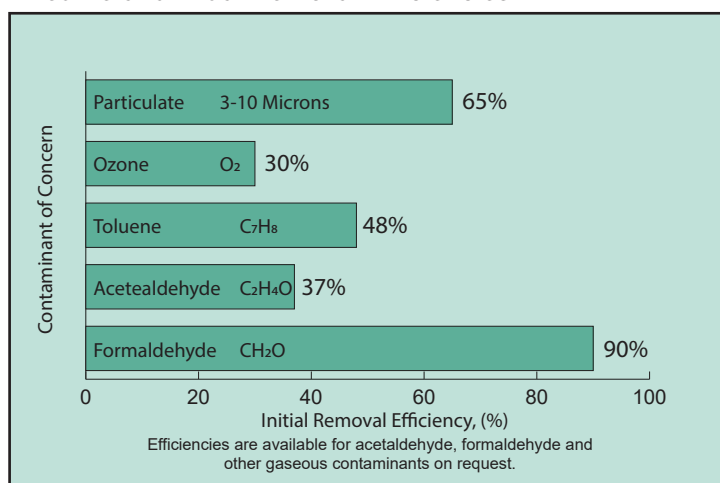
PRODUCT NOTES:

MERV, Minimum Efficiency Reporting Value per ASHRAE Filter Testing Standard 52.2.

Maximum operating temperature 122° F (50° C).

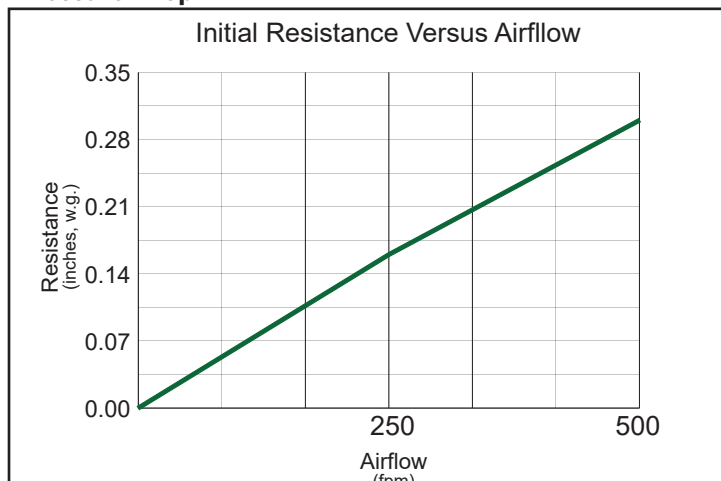
70% RH maximum for optimum adsorption.

Lifetime and Initial Removal Efficiencies*



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.

Pressure Drop



(Schedule air filters for change when initial pressure drop has doubled.)
Final pressure drop should not exceed 1.5" w.g.

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.

Applicable Industries

Sector	Definition	Industry Examples
Comfort Air	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.	Athletics, Education, Hospitality, Odor Complaint, Office Building, Retail
Indoor Air Quality	Indoor Air Quality (IAQ) refers to a specific application where there is a need to meet air quality standards within a space, especially as it relates to the health and comfort of building occupants.	Airport, Casino, Healthcare, Industrial Office Space



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. Camfil has a policy of uninterrupted research, development and product improvement. We reserve the right to change designs and specifications without notice. For assistance specific to this product please contact Camfil's Washington, NC facility at Sales-WA@camfil.com or telephone at (877) 658-6588.



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