



The City-Flo bag filter is a totally new combination dust and odor control filter designed for urban environments. Constructed from Camfil's unique carbon-filled fiberglass media, these pocket filters provide excellent filter economy, efficient dust and odor control, with a low resistance to airflow.

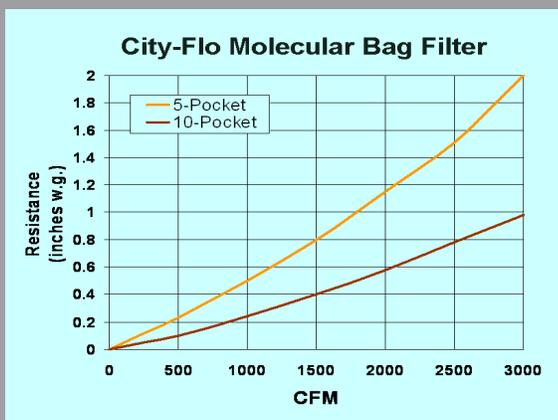
Ideal for office buildings, retail stores, shopping centers, schools and other public buildings, located in close proximity to heavily trafficked streets and roads.

These filters feature Camfil's exclusive broad spectrum carbon media with Rapid Adsorption Dynamics (RAD) to remove a wide range of volatile organic compounds and odors utilizing a bag or pocket filter design. Up to one pound of chemical odors may be removed under typical conditions at 50% relative humidity. RAD also provides a high efficiency removal of ozone.

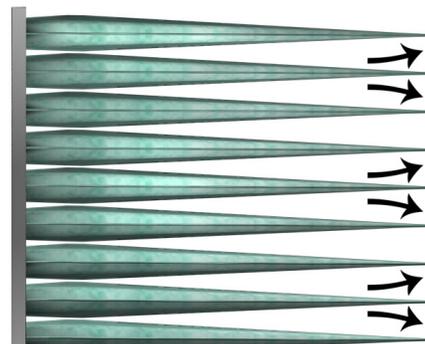
Controlled Media Spacing

Camfil is the only manufacturer to offer controlled media spacing to minimize pocket-to-pocket contact, ensure uniform airflow and allow full utilization of the media area. The effect results in the lowest life cycle product cost for your facility.

Low pressure drop particulate filtration combined with odor control.



Camfil's bag filters offer low pressure drop and are non-taxing to system airflow.



City-Flo bag filters feature galvanized sheet metal pocket retainers and a galvanized header. The filter is easily installed into new or existing face-access (built-up bank) frames or side-access housings.

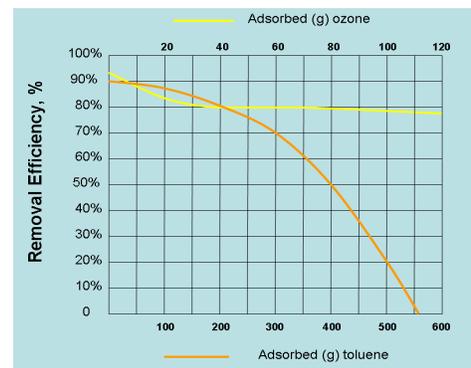
Performance Data

Model Number	Actual Size H x W x D (inches)	Capacity (cfm)	Pressure Drop (inches w.g.)	MERV ¹	Shipping Weight (lbs)
HFZS-242421-10-85	23.31 x 23.31 x 21.04	2000	0.56	13	13.2
HFZS-241221-5-85	23.31 x 11.30 x 21.04	1000	0.58		7.7

DATA NOTES

¹ 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.
Bag Filters are also known by the trade name of City-Flo in Europe.

The Camfil City-Flo Bag Filter has an excellent removal efficiency for odorous components typically found in an urban environment. The chart to the right notes the filter's efficiency on toluene, a surrogate for volatile organic compounds. Unlike particulate filters, adsorbers decrease in efficiency over time. These filters should be changed when adsorption efficiency falls below 40%. The City-Flo is also an excellent choice for ozone removal in environments that do not meet clean air standards as published by the United States Environmental Protection Agency.



Toluene removal, based upon 10-pocket 24" by 24" filter.

Specification

1.0 General

1.1 - Air filters shall be extended surface pocket style filters consisting of high loft air laid microfine glass media, a carbon adsorbent layer, a galvanized steel header, galvanized steel pocket retainers, and bonding agents to prevent air bypass and ensure leak free performance.

1.2 - Sizes shall be as noted on enclosed drawings or other supporting materials.

2.0 Construction

2.1 - Filter media shall consist of high-density air laid lofted microfine glass media that is bonded to a permeable media support backing forming a lofted filter blanket. The media shall include a layer of Rapid Adsorption Dynamics carbon for the removal of odors and gases.

2.2 - Individual pockets shall contain a minimum of 40 stitching support points per square foot of media area. All stitching centers shall be sealed through the use of a foam based sealant that shall remain pliable throughout the life of the filter. The sides and ends of each pocket shall be sewn with a chain-link over lock stitch.

2.3 - Pockets shall be formed into tapered pleats, supported by controlled media space stitching, to promote uniform airflow across

the surface of the media. At any point, the sizes of the upstream and downstream passages shall be proportional to the volume of filtered air.

2.4 - Support members shall include a galvanized steel header and galvanized steel pocket retainers. The header shall be bonded to the media to prevent air bypass. Individual pocket retainers shall be fastened with a mechanical crimp to lock individual pockets together. The media pockets shall be bonded to the pocket retainers to prevent air bypass. The frame shall form a rigid and durable support assembly.

2.5 - A filter-to-filter sealing gasket shall be installed on one of the vertical members of the filter header.

3.0 Performance

3.1 - The filter shall have a Minimum Efficiency Reporting Value of MERV 13 per ASHRAE Standard 52.2-1999. It shall also have a minimum initial removal efficiency on toluene exceeding 92%.

3.2 - The filter shall be capable of withstanding 5.0" w.g. without failure of the filter.

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

Supporting Data - Provide laboratory test reports for each listed efficiency.

For detailed specifications please consult your local Camfil Distributor or Representative or www.camfil.com.
Camfil has a policy of uninterrupted research, development and product improvement. We reserve the right to change designs and specifications without notice.