



8Z

High capacity, low pressure drop, box style air filter for nuisance odors and diesel emissions



Camfil's CitySorb Deep Pleat (DP) will improve indoor air quality by controlling offensive and nuisance odors. The CitySorb DP filter has a MERV 8 particulate efficiency and is manufactured from familiar Camfil Riga-Flo® components. It is designed to fit anywhere a Riga-Flo, or headered style filter is installed.

The CitySorb DP filters are installed to treat common odors that may be drawn into high-rise buildings, offices, shops, sporting arenas, concert halls, hotels, banks, and schools. The filters can be used for both make-up and air recirculation applications.

The CitySorb DP:

- Has a high initial odor removal efficiency (>95%) at the low odor concentrations found in urban air.
- Has a very low pressure drop; to ensure low energy usage.
- Does not produce carbon dusting.
- Has a galvanized metal enclosing frame and is available with or without a header.
- Extremely high ozone removal value according to the unique Camfil rating system (Oz 8). The World Health Organization (WHO) publishes guidelines for maximum human exposure.

CitySorb DP is embedded with an impregnated rapid adsorption dynamic (RAD) media designed to control ozone along with odors from paints, food preparation, dry cleaning chemicals, emissions from photocopiers, cleaning products, forest fires, road paving, roof installations, and even aldehydes from diesel fumes.

Important: To control fine particulate contributing to the odor load, install a particulate filter with a MERV-13 or higher rating upstream of all CitySorb DP molecular filters.

\* Market applications listed on next page.

### Performance Data

Model Designator	Part Number	Rated Airflow (cfm)	Nominal Size (inches)	Media Area (ft <sup>2</sup> )	MERV / Ozone Ratings	Initial Resistance (inches, w.g.)	Weight (lbs)
CS-DP-242412-H	M20301500	2000	24x24x12	69	MERV 8  Oz 8 (>80% Ozone removal efficiency)	0.25	34
CS-DP-241212-H	M20301501	1000	24x12x12	31			20
CS-DP-202412-H	M20301503	1666	20x24x12	57			31
CS-DP-202012-H	M20301504	1389	20x20x12	48			26
CS-DP-242412-B	M20300500	2000	24x24x12	82			36
CS-DP-241212-B	M20300501	1000	24x12x12	41			21
CS-DP-202412-B	M20300503	1666	20x24x12	68			32
CS-DP-202012-B	M20300504	1389	20x20x12	56			27

### PRODUCT NOTES:

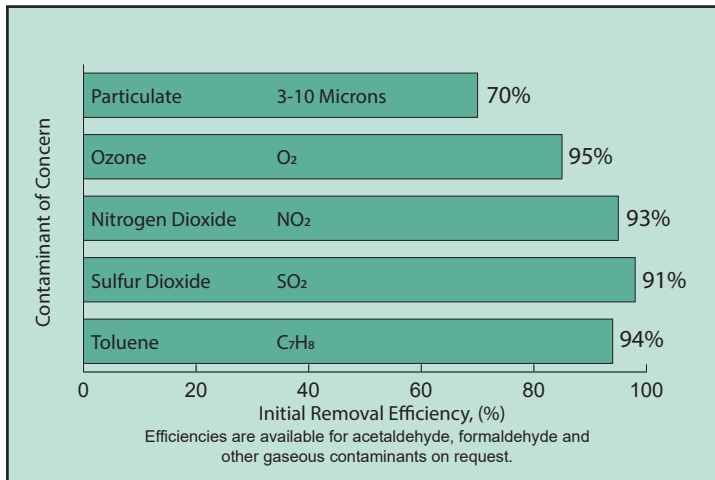
MERV, Minimum Efficiency Reporting Value per ASHRAE Filter Testing Standard 52.2.

Maximum operating temperature 122° F (50° C), 70% RH maximum for optimum adsorption.

Non-standard sizes available. Please reference sales drawing for these options. Other media and applications available by special order. Contact the factory.

H: Headered style, B: Box style, Headered models may be mounted into new or existing filter channels.

### Lifetime and Initial Removal Efficiencies\*

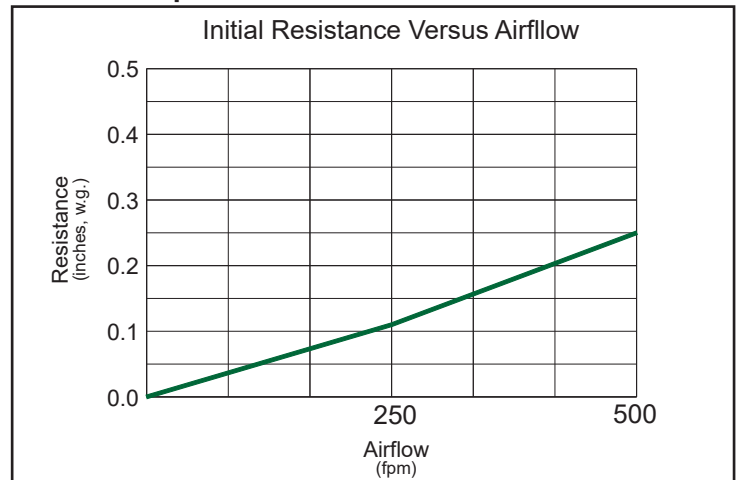


Camfil's unique molecular filtration testing laboratory runs tests according to the following standards: ASHRAE 145.1, ASHRAE 145.2, ISO 10121-1 and ISO 10121-2. The initial removal efficiencies referenced in the chart above were determined by challenging full size (24" x 24") filters with realistic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

### 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

### 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.

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](http://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](mailto:Sales-WA@camfil.com) or telephone at (877) 658-6588.