



ADVANCED  
IAQ

\*



8  
Z

High capacity, low pressure drop, 2-inch deep pleated filter to remove caustic fumes



Camfil's CitySorb Deep Pleat (DP) Acid 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 Riga-Flo® is installed.

The CitySorb DP Acid filters are installed to treat undesirable odors that may be caused by acids and 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 Acid:

- 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 Acid is embedded with an impregnated rapid adsorption dynamic (RAD) media to control acid gases (e.g.: oxides of sulfur and nitrogen) and odors from power plants, sewerage odors, and fuel combustion. Typical applications include museums, clinics, airports, administrative buildings in wastewater or petrochemical facilities.

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 Acid molecular filters.

\* Advanced IAQ refers to a specific application where the primary concern is the impact air quality has on the equipment and/or processes within a space, while still considering the health and comfort of the building occupants.



# CitySorb DP Acid

Adsorber/Particulate Filter for Offensive & Nuisance Odors

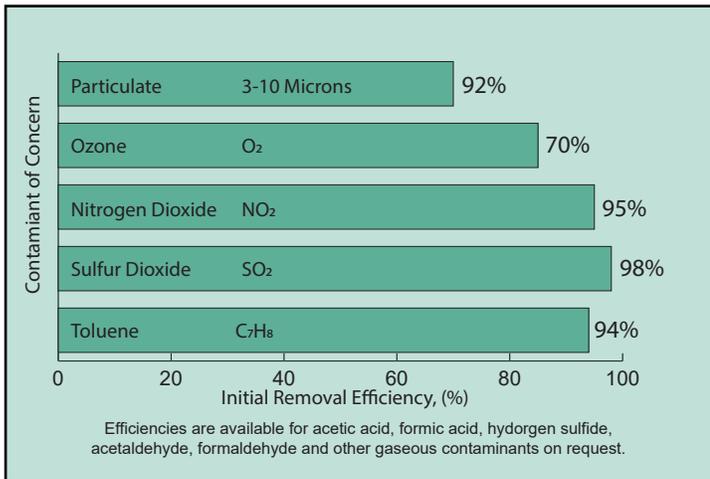
## Performance Data

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 ACID-242412-H	M20301200	2000	24x24x12	69	MERV 8  Oz 8 (> 80% Ozone removal efficiency)	0.25	34
CS-DP ACID 241212-H	M20301201	1000	24x12x12	31			20
CS-DP ACID 202412-H	M20301203	1666	20x24x12	57			31
CS-DP ACID 202012-H	M20301204	1389	20x20x12	48			26
CS-DP ACID-242412-B	M20300200	2000	24x24x12	84			36
CS-DP ACID-241212-B	M20300201	1000	24x12x12	39			21
CS-DP ACID-202412-B	M20300203	1666	20x24x12	68			32
CS-DP ACID-202012-B	M20300204	1389	20x20x12	56			27

### PRODUCT NOTES:

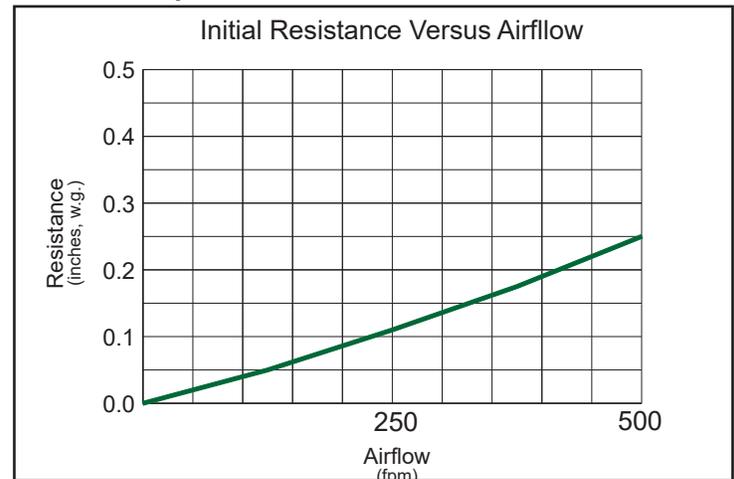
MERV, Minimum Efficiency Reporting Value per ASHRAE Filter Testing Standard 52.2.  
 Maximum operating temperature 122° F (50° C). - 70% RH maximum for optimum adsorption.  
 Headered models may be mounted into new or existing filter channels. - H: Headered style, B: Box style  
 Non-standard sizes available. Please reference sales drawing for these options.  
 Other media and applications available by special order. Contact the factory.

## 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.

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.



Camfil | 1 North Corporate Drive, Riverdale, NJ 07457 | Tel: (973) 616-7300

