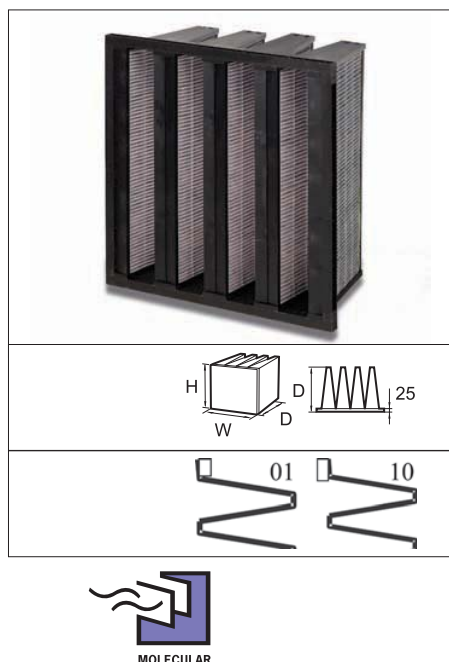


CityCarb®



Advantages

- Compact “2-in-1” solution
- Double action: particle and molecular filtration
- Ideal for filtering most low concentration interior and exterior pollutants
- 100% incinerable
- Can be used to upgrade existing installations
- Range of standard sizes

Application: High efficiency particle filtration for deodorisation and removal of gas pollutants, used for filtration in e.g. offices, airports and industrial workshops.

Type: High efficiency, activated carbon, incinerable filter.

Frame: Polypropylene, 25mm flange, 21mm on request.

Media: Synthetic fibre and broadspectrum carbon (RAD).

Sealant: Polyurethane.

Gasket: Seamless PU gasket.

EN 779:2002 filter class: F7.

ASHRAE 52.2:2007 filter class: MERV 13.

Recommended temperature: 50°C maximum in continuous service.

Recommended relative humidity: 70% RH maximum.

Maximum flow rate: 4000m³/h.

Mounting system: “Camfil holding frame” frames in kit form, FC type housings.

Recommended final pressure drop: 250 Pa.

Maximum final pressure drop: 450 Pa.

Ozone removal efficiency: 90%.

Reference	Dimensions (WxHxD) mm	Filter classification EN 779:2002	Average ozone removal efficiency at rated airflow (%)	Media area m ²	Airflow / pressure drop m ³ / hr / Pa	Unit Weight kg	Unit Volume m ³
56700001	592x592x292	F7	90%	8	3400/120	9.8	0.13
56700010	592x490x292	F7	90%	6.6	2800/120	8.2	0.13
56700002	592x287x292	F7	90%	3.5	1400/120	4.9	0.06

1. Highly effective filtration: Classed as F7 according to EN 779:2002, it stops 85% of 1 micron particles and meets the recommendations of UNICLIMA and EUROVENT 12/1-92.
2. Adsorption of odours and pollution: This specifically designed product can provide very high efficiencies for ozone, Polyaromatic Hydrocarbons (PAH) and organic contaminants, which are the main pollutant in urban environments.

CityCarb is designed to fit in place of the existing pocket or compact filter within an air handling system. The existing frames can be used because the filter fixings are the same and as you are not adding an extra filter stage, the pressure drop remains low.

The RAD or Rapid Adsorption Dynamic ensures the optimum efficiency of CityCarb. Rather than the amount of carbon (the traditional measure), it is the capacity of this new form to rapidly trap gasses which ensures the advanced performance of CityCarb. The carbon is in the form of very small granules into which gas molecules can rapidly diffuse.

CityCarb is specifically designed to handle common substances found in atmospheric contamination:

- Volatile Organic Compounds (VOC's) are caused by vehicle exhaust, solvents and aerosols.
- PAH and ozone are caused by vehicle emissions
- Butadiene 1.3 is caused by vehicle emissions.

Some of these molecules are included in the calculation of the atmospheric pollution index.

CityCarb is also available with a media for acid removal.

The filter can be replaced when pressure loss exceeds the maximum allowed value for the ventilation system or after a maximum of one year. Following good practice for all filters, used CityCarb filters should be bagged immediately after removal from the unit and disposed of by the appropriate route.