



### ADVANTAGES

- Ideal for filtering moderate concentrations of most external and internal source pollutants
- Can be used to upgrade existing installations
- Classified according to ISO 10121-3
- “2-in-1” filtration solution; particulate and molecular
- Removal of solid and gaseous contaminants in one filter stage

<b>Application</b>	Particle and corrosive acids removal in museums, art galleries, libraries etc
<b>Frame</b>	Plastic moulded
<b>Media</b>	Synthetic; Activated Carbon
<b>Dimensions</b>	Filter front dimensions according EN 15805
<b>Rec. final pressure drop acc. EN 13053</b>	Initial pressure drop + 100 Pa or initial pressure drop x3 (whichever is lower)
<b>Max airflow</b>	1,25 x nominal flow
<b>Max Temperature (°C)</b>	50
<b>Relative Humidity max</b>	30% - 70%
<b>Installation Options</b>	Front and side access housings and frames are available.



A compact filter with an additional molecular filtration media layer to provide enhanced IAQ through combined particle filtration and gas filtration.

CityCarb is the ultimate solution when a high performance compact filter and a high performance molecular (gas, odour) filter must be installed in a single location. CityCarb filter can easily be fitted into new or existing standard filter frames. Particle filtration media is combined with an exclusive “Broad Spectrum” carbon media that exploits the benefits of “Rapid Adsorption Dynamics” (RAD) to remove a very wide range of VOCs and odours. Molecular pollutants are released from both external sources (traffic fumes, power generation, industry) and internal sources (building construction and finish materials, wooden materials, carpets, cleaning agents etc).

The filter should be replaced when the pressure loss exceeds the maximum allowable value for the ventilation system or after a maximum of one year. In accordance with good practice, used CityCarb filters should be bagged immediately after removal and disposed of by the appropriate route.

Art. No.	Type	EN779	ISO 16890	ISO 10121 Ozone	ISO 10121 SO <sub>2</sub>	ISO 10121 NO <sub>2</sub>	ISO 10121 Toluene	Dimensions WxHxD (mm)	Airflow/pressure drop (m <sup>3</sup> /h/Pa)	Weight (kg)	ePM1	ePM1min	ePM2,5	ePM2,5min	ePM10
56710001	CityCarb-I 242412-01PU	F7	ePM1 70%	HD 80	MD 50	LD 70	MD 80	592x592x292	3400/130	9,3	71	55	79	68	93
56710002	CityCarb-I 242012-01PU	F7	ePM1 70%	HD 80	MD 50	LD 70	MD 80	592x490x292	2800/130	6,8					
56710003	CityCarb-I 241212-01PU	F7	ePM1 70%	HD 80	MD 50	LD 70	MD 80	592x287x292	1500/130	4,8					