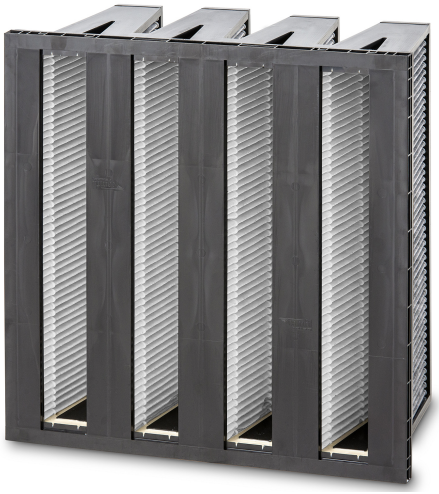
CityCarb CH



Advantages

- Compact “2 in 1” filtration solution; particulate and molecular
- 100% incinerable
- Range of standard sizes
- Filter class F7 acc. EN 779:2012
- Ideal for filtering organic acids
- Can be used to upgrade existing installations
- Rapid Adsorption Dynamics (RAD)

Application: Particle and odour removal in museums, art galleries, libraries etc
Type:V-Bank Filter
Frame: Plastic
Gasket: Polyurethane, endless foamed
Media: Synthetic/Activated Carbon
Dimensions: Filter front dimensions according EN 15805
Maximum airflow:1,25 x nominal flow
Temperature max:50°C
RH. max:70%
Mounting/Frames: 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. High efficiency particle filtration media is combined with an exclusive "targeted" molecular filtration media that exploits the benefits of "Rapid Adsorption Dynamics" (RAD) to specifically remove low molecular weight organic acids. These contaminants are unavoidably released from wood and paper based artefacts in cultural heritage establishments due to the degradation of cellulosic polymers. As the target pollutants are from internal sources, the CityCarb CH filter should be mounted in the recirculation or return air system. CityCarb HC is also extremely effective against the external source pollutants; ozone and nitrogen dioxide.

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.

Type	EN779	ISO16890	Dimensions WxHxD (mm)	Air Flow/ pressure drop (m³/h/Pa)	Media area (m²)	Weight (kg)	Initial eff. (%)	ME (%)*	Energy class
CIZP-7C 0592/0592/0292	F7	ePM1 70%	592x592x292	3400/130	8	9,6	80	44	E
CIZP-7C 0592/0490/0292	F7	ePM1 70%	592x490x292	2800/130	6,6	7			E
CIZP-7C 0592/0287/0292	F7	ePM1 70%	592x287x292	1500/130	3,8	5			E

ME%: Minimum efficiency ref. to EN779:2012
Energy Consumption, kWh/year: Calculated according to Eurovent Guideline 4/21-2014
Energy class: according to Eurovent RS 4/C/001-2017