CITYCARB CH

ADVANTAGES

- Ideal for filtering moderate concentrations in cultural heritage buildings
- 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

Application	Particle and corrosive acids removal in museums, art galleries, libraries etc...
Frame	Plastic moulded
Media	Synthetic;Impregnated Activated Carbon
Dimensions	Filter front dimensions according EN 15805
Rec. final pressure drop acc. EN 13053	Initial pressure drop + 100 Pa or initial pressure drop x3 (whichever is lower)
Max airflow	1,25 x nominal flow
Max Temperature (°C)	50
Relative Humidity max	70%
Installation Options	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	ISO 16890	ISO 10121 Ozone	ISO 10121 SO_2	ISO 10121 NO_2	ISO 10121 Toluene	Dimensions WxHxD (mm)	Airflow/pressure drop (m^3/h/Pa)	Media area (m^2)	Weight (kg)	ePM1	ePM1min	ePM2,5	ePM2,5min	ePM10
CIZP-7C 0592/0592/0292	F7	ePM1 70%	HD 85	LD 65	MD 70	MD 75	592x592x292	3400/130	8	9,6	71	55	79	68	93
CIZP-7C 0592/0490/0292	F7	ePM1 70%	HD 85	LD 65	MD 70	MD 75	592x490x292	2800/130	6,6	7					
CIZP-7C 0592/0287/0292	F7	ePM1 70%	HD 85	LD 65	MD 70	MD 75	592x287x292	1500/130	3,8	5					