



ADVANTAGES

- Can be used to upgrade existing installations
- Range of standard sizes
- Rapid Adsorption Dynamics (RAD)
- MERV15 (13A) and ePM1 70% acc. ISO 16890
- Combination mini-pleat V-cell filtration solution for particulate and molecular contaminants
- Ideal for filtering organic acids
- 100% incinerable

Application

Remove acidic gaseous contaminants and MERV15 (13A) particulates 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. Typically used in the following industries: cultural heritage, food & beverage, laboratory space.

Frame

Plastic molded

Media

Synthetic; Impregnated Activated Carbon

Dimensions

Filter front dimensions according EN 15805

Max airflow

1.25 x nominal flow

Max Temperature (°C)

50

Relative Humidity max

70%

Installation Options

Front access frames and side access housings are available. See related products below

Comment

Maximum face velocity of 500 fpm.

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, odor) 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 artifacts 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 re-circulation 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	ISO 10121 Ozone	ISO 10121 SO ₂	ISO 10121 NO ₂	ISO 10121 Toluene	Dimensions WxHxD (mm)	Airflow/pressure drop (m ³ /h/Pa)	Area (m ²)	Weight (kg)
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

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