

# Carboactiv Cube 4V compact filter

## Product Range



## Features



## Applications



## Filter Class

ePM1



## KEY FACTS

- Compact filter with molecular-filtration media
- Removes odors and captures harmful gases
- High structural stability
- Stackable frame system to reduce space
- Microgranulated carbon for high spontaneity of adsorption/reaction

## DESIGN

Filter elements sealed into a 4-V plastic frame with polyurethane for an extremely robust construction. Pleat packs consist of carbon and chemical absorbents sealed into a synthetic media.

## APPLICATIONS

Suitable for installation in HVAC systems to solve a wide range of molecular contamination issues. Each standard product has been designed to target issues caused by specific contaminants.

# Carboactiv Cube 4V compact filter

## PERFORMANCE DATA

Type	Dimensions W x H (mm)	ISO EN 10121:2014 Max. Sorptive Capacity (g Gas/kg Media)			Max. Sorptive Capacity (g Gas/kg Media)			Recommended Contaminants
		SO <sub>2</sub>	NH <sub>3</sub>	Toluene	H <sub>2</sub> S	VOC/ Condens.	Dopants (B, P, As)	
Carb	592 x 592	<20	<5	<300	<20	<300	<20	VOC, solvents, fragrances, kitchen exhaust, lab fumes, building recirculation air
	592 x 490	<20	<5	<300	<20	<300	<20	
	592 x 287	<20	<5	<300	<20	<300	<20	
Alkaline	592 x 592	<200	<5	<200	<200	<200	<50	Organic and inorganic acids (HF, HCl, HBr, HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCN, etc.), SO <sub>2</sub> , NO <sub>2</sub> , low-level H <sub>2</sub> S
	592 x 490	<200	<5	<200	<200	<200	<50	
	592 x 287	<200	<5	<200	<200	<200	<50	
Acidic	592 x 592	<5	<180	<200	<5	<180	<50	Ammonia (NH <sub>3</sub> ) organic alkylamines (primary, secondary, tertiary), cyclic and aromatic amines (aniline, phenylenediamine, pyrrolidine, etc.)
	592 x 490	<5	<180	<200	<5	<180	<50	
	592 x 287	<5	<180	<200	<5	<180	<50	
Sulfuric	592 x 592	<100	<5	<150	<300	<150	<50	Ammonia (NH <sub>3</sub> ) organic alkylamines (primary, secondary, tertiary), cyclic and aromatic amines (aniline, phenylenediamine, pyrrolidine, etc.)
	592 x 490	<100	<5	<150	<300	<150	<50	
	592 x 287	<100	<5	<150	<300	<150	<50	
VOC- Amine- Acid	592 x 592	<200	<300	<250	<50	<250	<150	VOC, solvents, organic and inorganic acids (HF, HCl, HBr, HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCN, etc.), SO <sub>2</sub> , NO <sub>2</sub> , low-level H <sub>2</sub> S, ammonia (NH <sub>3</sub> ) organic alkylamines, cyclic and aromatic amines (aniline, phenylenediamine, pyrrolidine, etc.)
	592 x 490	<200	<300	<250	<50	<250	<150	
	592 x 287	<200	<300	<250	<50	<250	<150	
Sulf- Amine- Acid	592 x 592	<200	<300	<150	<300	<150	<250	VOC, solvents, formaldehyde, organic and inorganic acids (HF, HCl, HBr, HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCN, etc.), SO <sub>2</sub> , NO <sub>2</sub> , mid-level H <sub>2</sub> S, ammonia (NH <sub>3</sub> ) organic alkylamines, cyclic and aromatic amines (aniline, phenylenediamine, pyrrolidine)
	592 x 490	<200	<300	<150	<300	<150	<250	
	592 x 287	<200	<300	<150	<300	<150	<250	

## SPECIFICATION

<b>Heat resistance</b>	< 30 °C (Peak 50 °C)	<b>Moisture resistance</b>	< 60 % (Max. < 90 %)
<b>Regenerable</b>	No	<b>Incinerable</b>	Yes*
<b>Depth</b>	292 mm	<b>Air flow/pressure drop</b>	0.94 m/s @ 90 Pa

\* Please ensure accordance with relevant disposal directives

## OPTIONS

<b>Gasket</b>	Continuous polyurethane, 1 or 2 sides
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