

## CARBOFILT activated carbon cells



### TM-CAP

Product	TM - CAP
Maximum air flow rate	110% of nominal
Maximum operating temperature	60 Deg. C
Maximum relative humidity	60 %
Applications: odors, steam and organic solvents	Carbon type 2.0
Application: acid gas, H <sub>2</sub> S, SO <sub>2</sub> etc.	Carbon type 2.1

Activated carbon filters mod. CAP are flat panels made of a supporting steel sheet frame superficially protected by electrolytic galvanization and micro-drawn grids. The activated carbons are positioned inside; there are also anti-sagging rigid elements.

These panels have average activated carbon contents, they have very low pressure drops which means the energy consumption levels of the fan are minimal. The panels come in different thickness: 18, 23, 38, 48 mm.

Top constructive quality, robust features and easy installation and maintenance

operations assure wide application opportunities. Saturated activated carbons are re-generable through steam.

#### Applications

Mod. CAP cells are especially used in civil conditioning and ventilation systems, for tertiary sector applications: libraries, offices, congress centers, airports, banks, restaurants, etc. They are also widely used in institutional buildings: courtrooms, universities, re-education structures, penitentiaries, etc. In these applications CAP mod. cells are usually installed in air treatment units, in roof top conditioners and ventilation units.

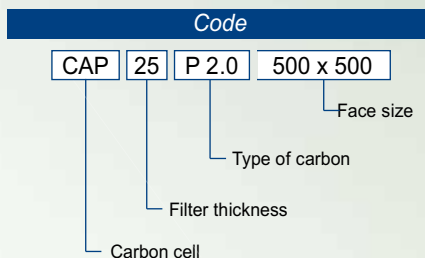
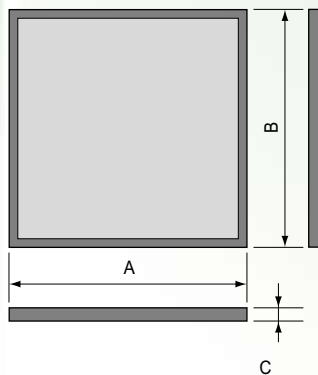
#### Installation

Activated carbon filters CAP mod. like all similar filters, must be fitted with high efficiency pre-filters to avoid rapid clogging. They can be installed both vertically (horizontal air flow) or horizontally (vertical air flow). They can be installed inside air treatment plants and in Multimod duct housings. They are installed with CT 10/20/30 counter-frames.

Code	Carbon Type	Sizes (mm)			Nominal air flow		Initial pressure drop Pa	Carbon cont. kg
		A	B	C	m <sup>3</sup> /h	m <sup>3</sup> /s x 10 <sup>-3*</sup>		
20 / 2.0	P 2.0	287	x 583	x 18	135	37	90	1,3
20 / 2.0	P 2.0	474	x 583	x 18	270	75	90	2,3
25 / 2.0	P 2.0	500	x 500	x 23	250	70	120	2,7
25 / 2.0	P 2.0	500	x 600	x 23	300	84	120	3,2
40 / 2.0	P 2.0	500	x 500	x 38	250	70	200	4,6
50 / 2.0	P 2.0	500	x 500	x 48	250	70	250	5,8
50 / 2.0	P 2.0	595	x 595	x 48	350	97	250	8,4

\*1 m<sup>3</sup>/s x 10<sup>-3</sup> = 1 l/s

Size



#### CARB loose carbon to charge exhausted cells

Model	Package	Application	Type	Sizes (mm)
CARB	kg			
2.0	25	civil and organic vapors	vegetable	granuli 3÷5
2.1	-	acid gas	soaked vegetable	-
2.2	-	formaldehyde	soaked vegetable	-
3.0	-	radioactive isotope	soaked vegetable	-

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