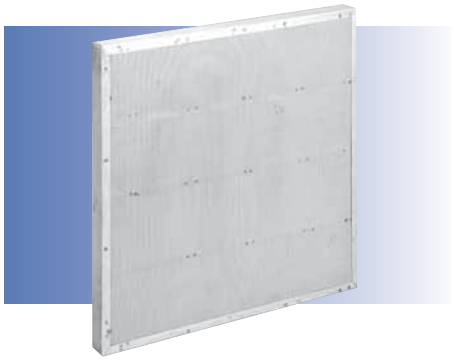


CAP

CARBOFILT activated carbon cells

Product	CAP
Maximum air flow rate	Of nominal 110 %
Maximum operating temperature	60 °C
Maximum relative humidity	60 %
Applications: odors, steam and organic solvents	Carbon type 2.0
Application: acid gas, H2S, SO2, 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.

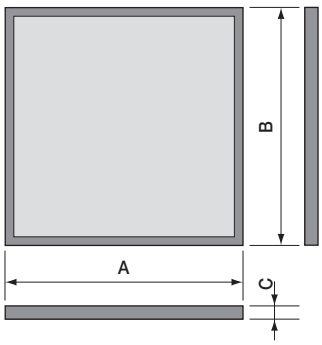
Applications Mod. CAP cells are especially used in civil conditioning and ventilation systems, for tertiary sector applications: libraries, offices, congress centers, airports, banks, restaurants, etc. They are also widely used in institutional buildings: courtrooms, universities, re-education structures, 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	Type	Sizes (mm)					Nominal air flow rate Q.		Initial pressure drop	Carbon cont.
CAP	carbon	A		B		C	m³/h	m³/sx10⁻³*	Pa	kg
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 m³/s x 10⁻³ = 1 l/s*

Size



How to order

CAP | 25 | P 2.0 | 500 x 500

- 500 x 500 — Dimensione frontale
- P 2.0 — Tipologia carbone
- 25 — Spessore filtro
- CAP — Cella a carbone

CARB loose carbon for exhausted cells replacements

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

On request we supply alluminosilicate and zeolites for environmental and gas corrosion control.

Technical features	*Carbon P 2.0*
Pellet diameter	4 mm
Humidity upon packing (ASTM D 2867)	3 % w/w
Ashes (ASTM 2866)	10 % w/w
Apparent density (ASTM D 2854)	520 kg/m³
Iodime number (AWWA B600)	950 mg/g
Specific surface (BET Method)	1050 m²/g
Adsorption CCL (ASTM D 34667)	45 %