

ACTIVATED CARBON CARTRIDGE FILTER FCA

DESCRIPTION

The cartridge filter (activated carbon filter) is a model designed to treat pollutants with high concentrations of solvents and volatile organic compounds (VOCs).

Designed to treat polluting particles containing high concentrations of solvents and volatile organic compounds. (VOCs) Thanks to its large filtering surface and the large quantity of activated carbon, one can obtain very long saturation processes so that it is possible to plan maintenance during the year. It is made of very thick panels made of zinc-coated sheets, bolted, in order to create a self-supporting structure. The bottom side of the filter is equipped with a separating chamber and with a series of optional cellulose filters, while the top side is equipped with a series of activated carbon cartridge filters to treat volatile organic compounds.

Operating Principle

Air to be treated enters the bottom part of the filter where the quiet chamber is situated, that operates in order to distribute air to be purified evenly to the filtering surface.

Then air passes through the first series of cellulose filters and eventually through the series of activated carbon filters that absorb polluting compounds definitely.

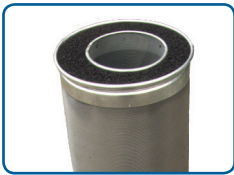
OPTIONALS

Execution in Stainless steel, treated carbon, ATEX discharge valve, ATEX Conformity.

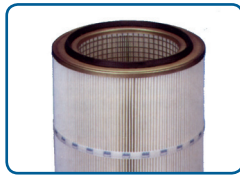
APPLICATION FIELDS

Industries: painting, coating, resin, adhesive, solvents, paint production, glue.

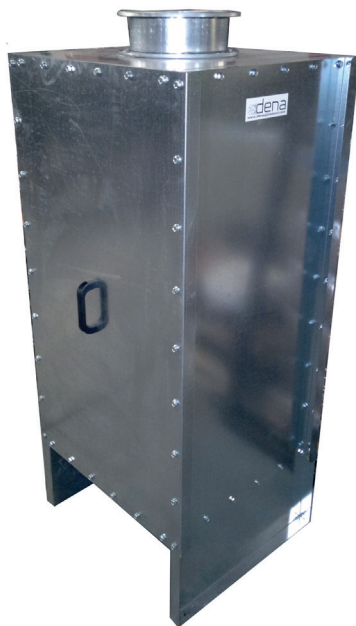
ACTIVE CARBON
CARTRIDGE



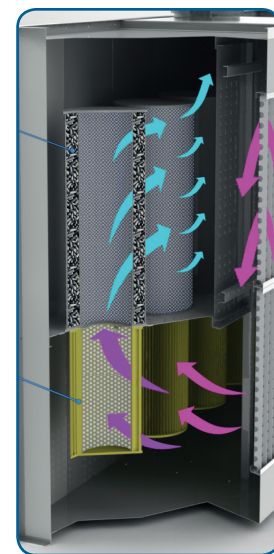
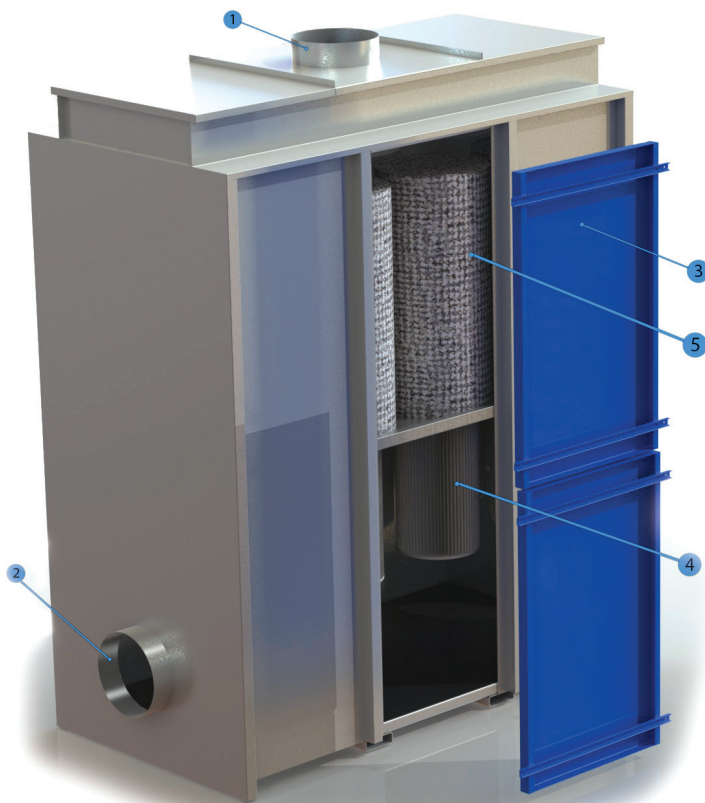
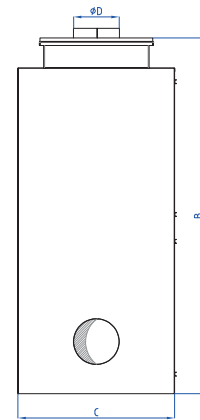
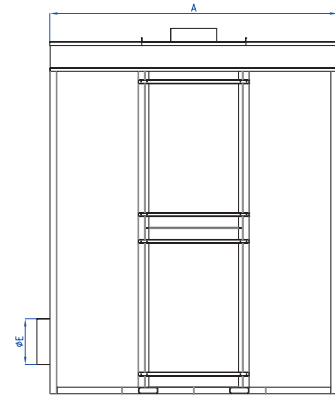
PREFILTER
CARTRIDGE



MONO VERSION



MOD. FCA	UNITS OF MEASURE	FCA4	FCA6	FCA8	FCA10	FCA12
Carbon cartridge quantity	n°	4	6	8	10	12
Prefilter quantity (OPTIONALS)	n°	4	6	8	10	12
Prefiltration surface	m ²	32	48	64	80	96
Max fume temperature	°C	37.8				
activated carbon quantity	kg	180	270	360	450	540
Cartridge dimensions	mm	Ø 450 x H 1000				
Prefilter dimensions	mm	Ø 327 x H 600				
Drop loss	mmH ₂ O	70				
Structure	Material	Carbon steel galvanized or painted				
Weight	kg	740	870	980	1090	1200
A	mm	1112	1662	2212	2762	3312
B	mm	2730				
B (without prefilters)	mm	1850				
C	mm	1200				
ØD	mm	250	300	350	400	450
ØE	mm	250	300	350	400	450



- 1 Filtered air outlet connection
- 2 Air input connection
- 3 Compressed air tank
- 4 Cartridge prefiltration
- 5 Activated carbon cartridges