

Filtercarb Activated carbon



FILTRATION

FILTERCARB ACTIVATED CARBON

- Activated carbon is a carbonated material family from coconut shells and thermally or chemically activated to become an efficient adsorbing material to eliminate the chemical pollutants contained in water or in liquid and gas effluent.
- For centuries, it has been used for its intrinsic adsorbent properties. The production of activated carbon begins with the carbonization of the raw material followed by the activation of the carbonized product at high temperature in a controlled atmosphere.
- Depending on its application, activated carbon is then screened or micronized to obtain the ideal form for treatment. In some cases, it is also washed for increased purity or is impregnated to boost its adsorption capacities.



Model and technical parameters

References	Effective size (mm)	Average diameter (mm)	Apparent density
Filtercarb GCC-8x30	1.0	1.4	500

Packaging : **Bags of 25kg**

APPLICATIONS

Our range of granular activated carbon is essentially used for reducing chlorine, chlorinated compounds and organic compounds in water for the production of potable or industrial water.

Filtercarb activated carbon

OPERATING CONDITIONS

Depth of layer	650 to 1000 mm
Operating flow	12 to 20 m ³ /h/m ²
Backwash flow	20 to 30 m ³ /h/m ²
Expansion during backwash	30 to 40%

DECHLORINATION CAPACITY

Reduction of 50% of the chlorine content per 10 cm depth of the layer at a operating flow rate of 20 m³/h/m²

FEATURE

- BET surface : 1100 / 1150 m²/g
- Ash content : 2 to 4%
- Moisture : 5%
- Iodine index : 1000 / 1100 mg/g
- Uniformity coefficient : 1.7

IMPLEMENTATION

- Backwash and rinse of the activated carbon are essential for commissioning before use.
- Activated carbon requires backwash at regular intervals to eliminate suspended impurities and re-establish its efficiency.
- Activated carbon must be protected by a good filtration, in particular on water containing suspended matter.



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