

Aquasorb Activated carbon



FILTRATION

AQUASORB 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
Aquasorb CS-8x30	1.0	1.4	540
Aquasorb HS-8x30	1.0	1.4	520

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.

Aquasorb 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

- ⦿ Aquasorb HS is an acid washed granular activated carbon use in ultra-pure water treatment systems requiring low conductivity and exceptionally high purity.
- ⦿ This activated carbon is also suitable for the removal of heavy hydrocarbons from recovered condensate, where downstream control of silica is in place.
- ⦿ The acid washing process removes soluble silica from the matrix of the activated carbon to prevent leaching into the condensate.

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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