



ACTIVESORB[®] AG

SILVER IMPREGNATED COCONUT SHELL BASED
ACTIVATED CARBON

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ACTIVESORB[®] AG is a silver-impregnated coconut shell based granular activated carbon specifically designed and made for bacteriostatic properties that avoids microorganism growth inside purifiers and trace removal. It is a catalytic, high activity granular activated carbon manufactured by steam activation of selected coconut shells under rigidly controlled conditions.



Our grade AG was designed to avoid bacterial growth and can be used in wide variety of applications and the antimicrobial properties of silver impregnated on the carbon makes especially valuable in most water purification applications where bacterial growth on filter media can become an issue. It is recommended when microorganism growth presents.

The silver impregnation of carbon **ACTIVESORB[®] AG** imparts bacteriostatic properties that inhibit bacterial growth on the carbon filter media. Silver exhibits a self-sterilizing property called the oligodynamic effect that is recognized as an effective method for controlling microbial growth in drinking water.

The coconut base activated carbon makes it highly effective for the removal of chloramines and hydrogen sulfide from potable water. Resulting from its extensive microporosity this grade makes it particularly well suited for the removal of low molecular weight organic compounds and their chlorinated by-products such as chloroform and other trihalomethanes (**THMs**). An important feature of this material is its superior mechanical hardness and the extensive dedusting during its manufacture ensures an exceptionally clean activated carbon product.

Features and Benefits

- Antimicrobial (With bacteriostatic properties)
- Extensive internal surface
- Predominance of micropores
- Improves taste and odour of water.
- Optimized density
- Maximum hardness
- Low dust and turbidity
- Excellent adsorption capacity
- High volume activity
- Rapid dichlorination
- Low filtered water turbidity

Typical Applications

- Used commonly in Point-of-Entry (POE)
- Point-of-Use (POU) applications
- Residential Water treatment
- Pharmaceutical steam purification

Standard Packaging

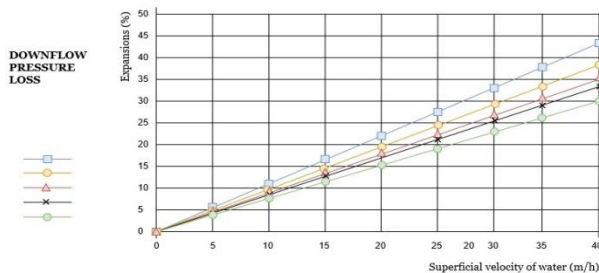
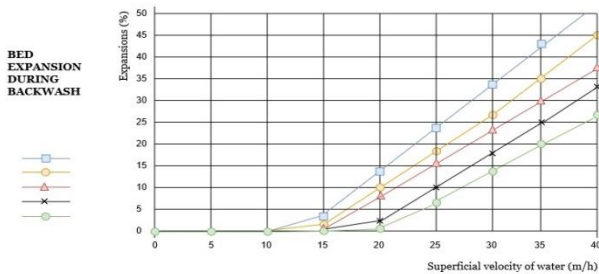
- 30 liters Bag
- 1000 liters bulk bag (1100 lb)
- Other packing considered upon request

Watch Water supplies activated carbon grade (8x30) as a standard mesh size with different impregnated concentrations.



TECHNICAL DATA SHEET

ACTIVESORB[®] AG: 8 x 30 Mesh



Bed Expansion and Pressure Loss curves are provided for the most commonly used particle size.

Diagram show head loss and filter bed expansion occurring in filtration with sufficient accuracy for planning of treatment plants.

Water usually has a small amount of organic matter that can be extracted with activated carbon purifiers. However, with time, bacteria start feeding on the retained organic matter. This turns the purifier into a bacteria farm, specially when the purifier is not in use. Our **ACTIVESORB[®] AG** was designed to avoid this bacteria growth in domestic purifiers and also removes chlorine, odour, taste, colour and impurities from water.



Specifications

Iodine Adsorption	min. 1100 mg/g
Moisture content, as packed	max. 3%
Total ash content	max. 4%
Ball-pan hardness	min. 98%
CTC activity	min. 55%
Silver Content	0.01/ 0.05%

Typical Properties

Mesh Size	8x30 (0.600 -2.36 mm)
Surface Area (BET)	1100 m ² /g
Apparent Density	522 kg/m ³
Bulk Density	538 kg/m ³
Backwash and Drained Density	437 kg/m ³
pH	8.5 -11

Watch Water[®] is a team of highly experienced specialists in Water Treatment Sector and provide new superior technologies compare to old conventional technologies and products.

Our experience and very successful products are unmatched in the industry and we have been recognized as an innovative industry leader.

Watch Water[®] takes full responsibility in all water treatment problems, with its innovative concepts and pragmatic solutions, geared towards bio-friendly water treatment chemicals and systems.

Disclaimer: The information and recommendation in this publication are true and based on data we believe to be reliable. They are offered in good faith but do not imply any warranty, liability or performance guarantee. Specifications are subject to change without notice. Watch Water[®] will not be liable under any circumstance for consequential or incidental damages, including but not limited to, lost profits resulting from the use of our products.