



ACTIVESORB - AG

SILVER IMPREGNATED COCONUT SHELL ACTIVATED CARBON

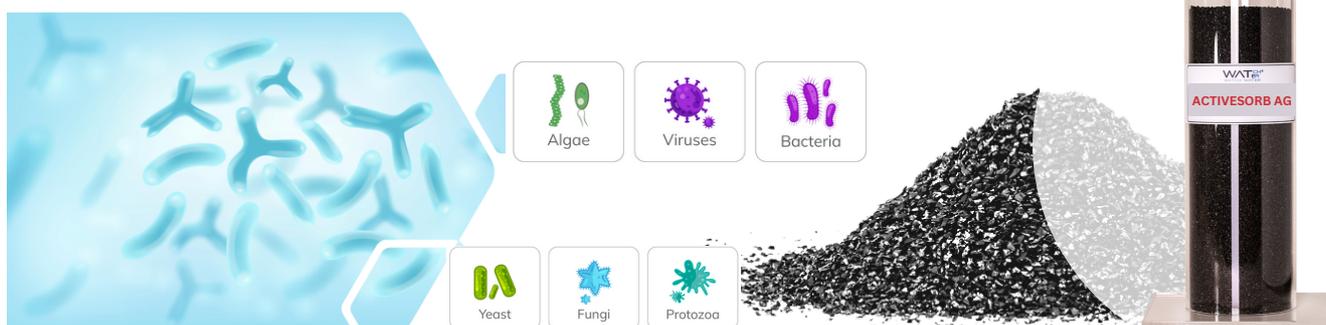
INTRODUCTION

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.

Microbial Growth Control with **ACTIVESORB®-AG**



ADVANTAGES

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

TYPICAL APPLICATIONS

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

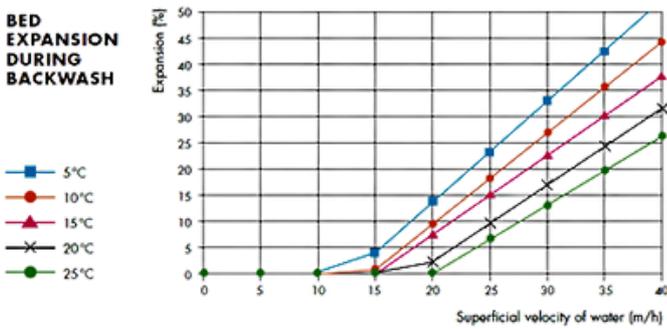
ACTIVESORB®-AG was designed to avoid **bacteria growth** in domestic purifiers and also removes **chlorine, odor, taste, colour** and impurities from water.



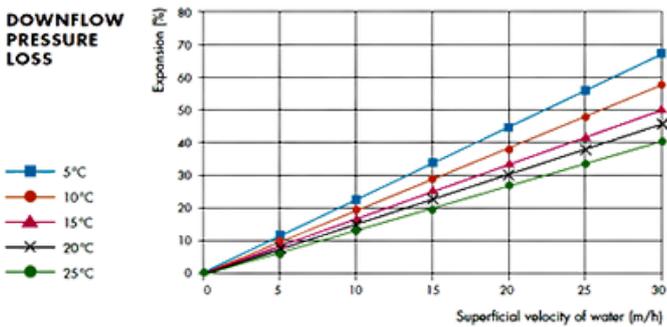
TECHNICAL DATA

ACTIVESORB® AG: 8 X 30 MESH

BED EXPANSION DURING BACKWASH



DOWNFLOW PRESSURE LOSS



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

PACKAGING

- 25 kg bag (55 lb)
- 500 kg bulk bag (1100 lb)
- Other packing considered on request



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
Bulk Density	630 - 640 kg/m ³
pH	8.5 -11

Watch Water® is a team of highly experienced specialists in water industry who provide new superior technologies compared to old conventional 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 with high-end biofriendly water treatment chemicals and systems.