



AquaSorb™ HS

Acid washed coconut based activated carbon

AquaSorb™ HS is an acid washed high purity high activity granular activated carbon manufactured by steam activation from a sustainable raw material source. This activated carbon is produced for 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. The acid washing process removes soluble silica from the matrix of the activated carbon to prevent leaching into the condensate.



SPECIFICATION*

Iodine number	min. 1000 mg/g
Moisture content, as packed	max. 5 %
Ash content	max. 2 %
Ball-pan hardness	min. 97 %
Apparent density	min. 490 kg/m ³
pH	5 - 9

TYPICAL PROPERTIES*

Surface area (BET)	1050 m ² /g
CTC adsorption	55 %
Apparent density	545 kg/m ³
Backwashed and drained density	465 kg/m ³
Dechlorination half length value (12x40 mesh)	1.9 cm
Total ash content	0.86 %

Features and Benefits

- Extensive internal structure
- Optimized density
- Neutral surface
- Maximum hardness
- Extended operational life
- High volume activity
- Rapid pH-stabilization, quick start-up
- Minimized operational losses

Available Particle Sizes

- 8x16 mesh (2.36 – 1.18 mm)
- 8x30 mesh (2.36 – 0.60 mm)
- 10x20 mesh (2.00 – 0.85 mm)
- 12x40 mesh (1.70 – 0.425 mm)
- 20x50 mesh (0.85 - 0.30 mm)
- Other sizes considered on request

Certifications and Approvals

- EN12915-1
- NSF 61 standard
- AWWA B604
- Halal certified
- Kosher certified
- Food Chemicals Codex

Standard Packaging

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



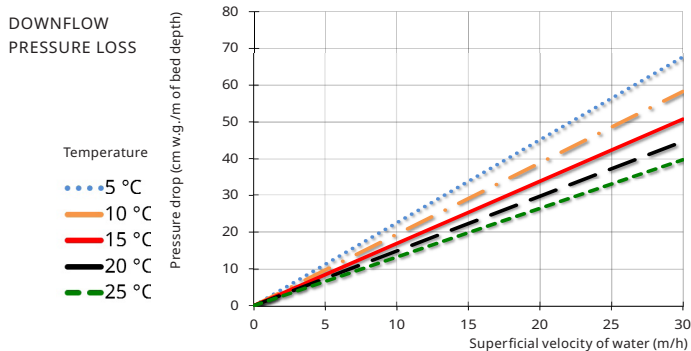
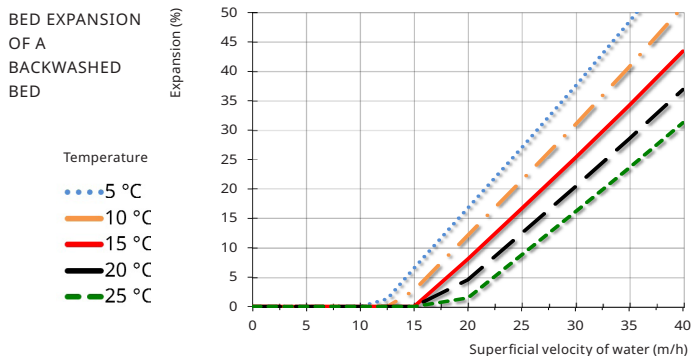
Polypropylene liner-free FIBCs (super sacks), two bags per pallet



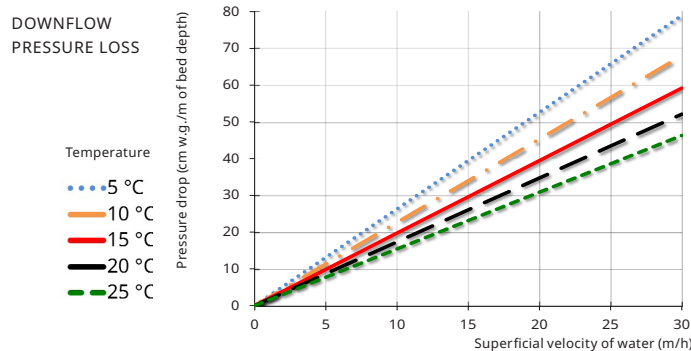
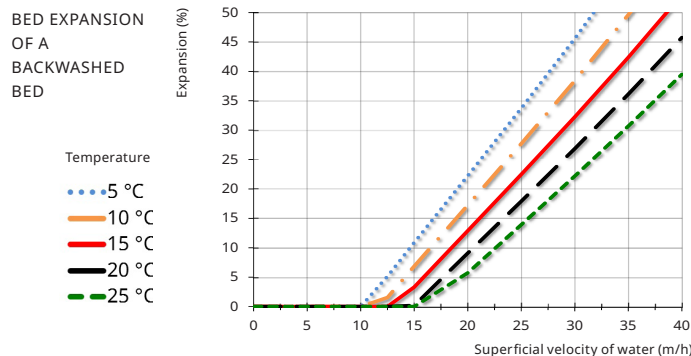
TECHNICAL DATASHEET



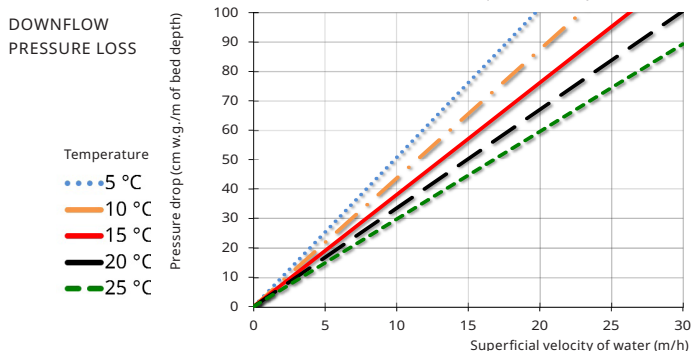
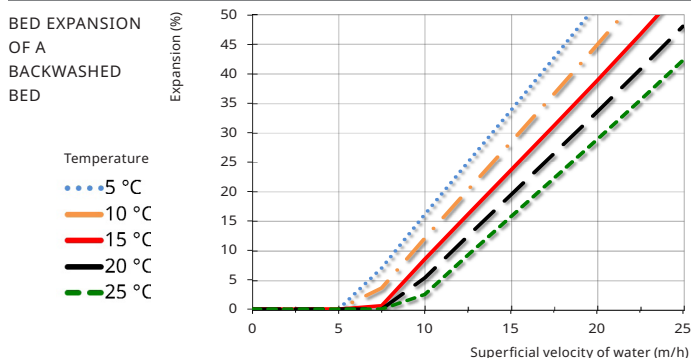
AquaSorb™ HS 8x30 mesh



AquaSorb™ HS 10x20 mesh



AquaSorb™ HS 12x40 mesh



PARTICLE SIZE (MESH)

	20x40	12x40	10x20	8x30	8x16
Oversize	<5%	<5%	<5%	<5%	<5%
Undersize	<4%	<4%	<4%	<4%	<4%
Effective size	0.4 mm	0.6 mm	1.0 mm	1.0 mm	1.2 mm
Mean diameter	0.6 mm	1.0 mm	1.4 mm	1.4 mm	1.8 mm
Uniformity coefficient	<1.5	<1.7	<1.5	<1.6	<1.5

PRODUCTION CAPABILITY

The Jacobi Carbons Group of companies owns and operates manufacturing facilities in nine countries around the world. We produce in excess of 70,000 metric tonnes of high quality activated carbons based on coconut shell, coal and wood, by both chemical and steam (physical) activation methods. Our facilities are state-of-the-art, and are the most modern production units of their type. Intensive investment in these has ensured that products are manufactured to the most exacting quality standards demanded by our customers.

TECHNICAL SUPPORT AND KNOW-HOW

One of the distinguishing features of Jacobi Carbons is the extremely high level of technical competence within the company. Stand-alone product and technical service departments are staffed by industry-leading specialists in the field of activated carbon application and research. Dedicated laboratory facilities in Europe and North America work with our clients to ensure the optimum result is achieved from the use of our activated carbon products.

Bed expansion and pressure loss curves are provided for the most commonly used particle sizes. Charts are available for all particle sizes on request. Typical data only for indicative purposes.



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