



AquaSorb™ CS

Granular coconut shell based activated carbon

AquaSorb™ CS is a medium activity granular activated carbon manufactured from a sustainable raw material source. Its enhanced microporosity 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 (THM's). It is also ideally suited for the removal of oxidizing agents such as chlorine and ozone from process water. An important feature of this material is its superior mechanical hardness and the extensive dedusting during its manufacture that ensures an exceptionally clean activated carbon product.



SPECIFICATION*

Iodine number	min. 1000 mg/g
Moisture content, as packed	max. 5 %
CTC adsorption	min. 50 %
Ash content	max. 4 %
Ball-pan hardness	min. 98 %
Apparent density	min. 430 kg/m ³

TYPICAL PROPERTIES*

Surface area (BET)	1050 m ² /g
Dechlorination half length value (12x40 mesh)	2.2 cm
Apparent density	540 kg/m ³
Backwashed and drained density	470 kg/m ³

Features and Benefits

- Highly microporous structure
- Maximum hardness
- Excellent adsorption capacity
- High volume activity
- Rapid dechlorination
- Effective removal of ozone
- Low filtered water turbidity

Available Particle Sizes

- 8x16 mesh (2.36 – 1.18 mm)
- 8x30 mesh (2.36 – 0.60 mm)
- 10x20 mesh (2.00 – 0.85 mm)
- 12x30 mesh (1.70 – 0.60 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)
- Bulk tanker
- Other packing considered on request



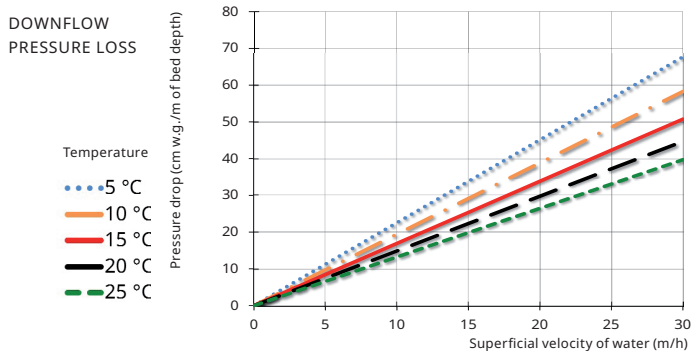
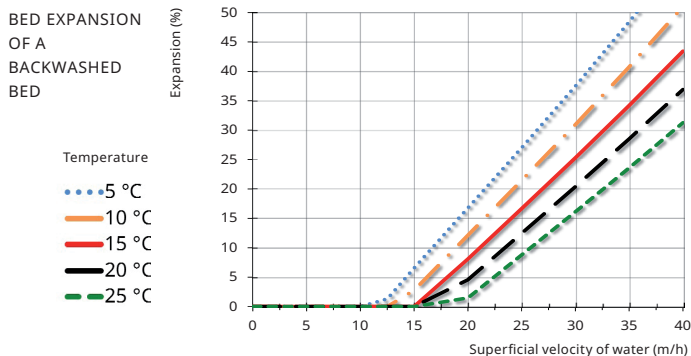
Polypropylene liner-free FIBCs (super sacks), two bags per pallet



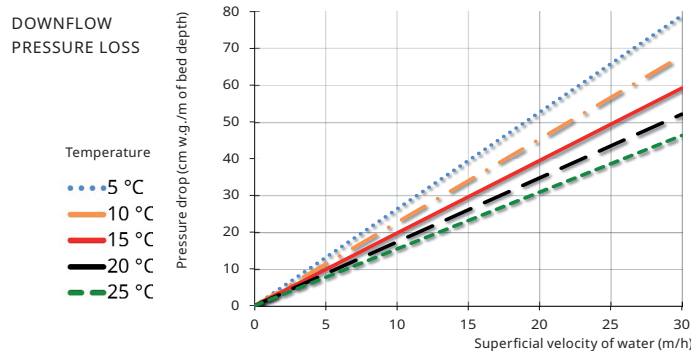
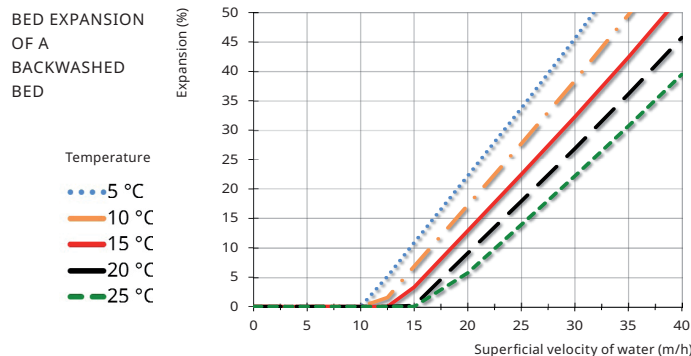
TECHNICAL DATASHEET



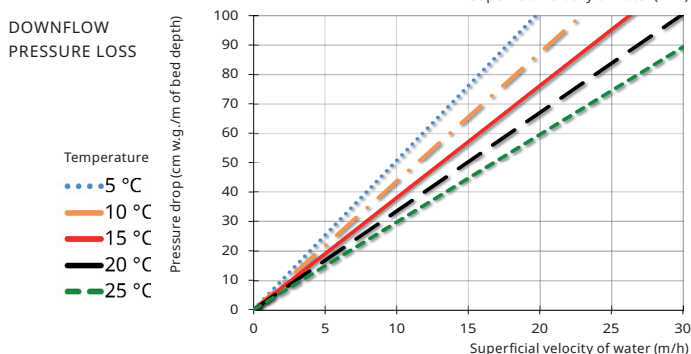
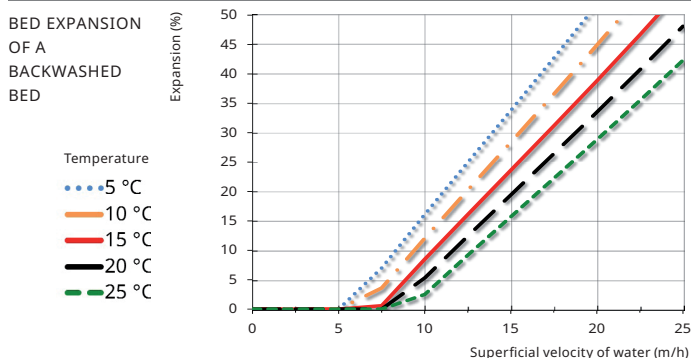
AquaSorb™ CS 8x30 mesh



AquaSorb™ CS 10x20 mesh



AquaSorb™ CS 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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