



TECHNICAL DATASHEET

AquaSorb™ CT

granular coconut shell based activated carbon

AquaSorb™ CT is a high activity granular activated carbon manufactured by steam activation from select coconut shell charcoal. 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. 1050 mg/g
Moisture content (as packed)	max. 5%
Total ash content	max. 4%
Ball-pan hardness	min. 98%

TYPICAL PROPERTIES*

Surface area (BET)	1100 m ² /g
CTC activity	55%
Apparent density	520 kg/m ³
Apparent density, backwashed and drained	450 kg/m ³

PARTICLE SIZE (mesh)	20x50	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 particle diameter	0.5 mm	1.0 mm	1.4 mm	1.4 mm	1.9 mm
Uniformity co-efficient	<1.6	<1.7	<1.7	<1.6	<1.4

THE INFORMATION SUPPLIED ABOVE IS BASED ON ANALYSIS OF PRODUCTION TREND OVER THE PREVIOUS SIX-MONTHS AND IS SUBJECT TO CHANGE WITHOUT NOTICE SHOULD FUTURE TRENDS BE ADJUSTED.

Features and Benefits

- Large internal pore structure
- High content of micropores
- Optimized density
- Maximum hardness
- Low dust and turbidity
- Excellent adsorption capacity
- High volume activity
- Rapid dechlorination
- Effective removal of ozone

Available Particle Sizes

- 20x50 mesh (0.300 - 0.850 mm)
- 12x40 mesh (0.425 - 1.70 mm)
- 8x30 mesh (0.600 - 2.36 mm)
- 8x16 mesh (1.18 - 2.36 mm)

Certifications and Approvals

- AWWA B604-96
- EN12915
- NSF/ANSI Standard 61
- Halal certification

Standard Packaging

- 25 kg polyethylene bag (55 lb)
- 500 kg polypropylene bulk bag (1100 lb)



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

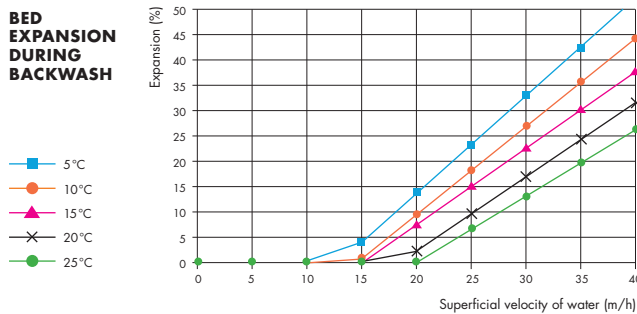
* SPECIFICATIONS AND TYPICAL PROPERTIES ARE PRODUCED USING JACOBI CARBONS' TEST METHODS. THEY ARE LISTED FOR INFORMATIONAL PURPOSES ONLY AND NOT TO BE USED AS PURCHASE SPECIFICATIONS. SALES SPECIFICATIONS CAN BE OBTAINED FROM YOUR JACOBI CARBONS TECHNICAL SALES REPRESENTATIVE AND SHOULD BE REVIEWED BEFORE PLACING AN ORDER.

Visit: www.jacobi.net

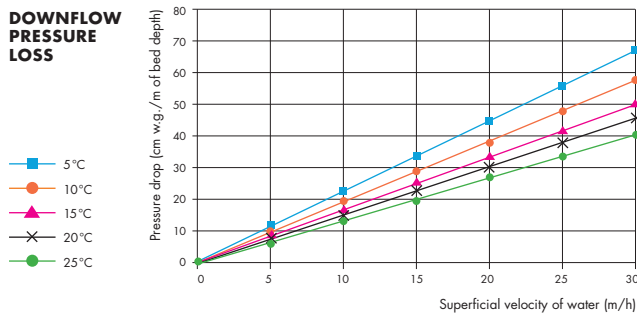


AquaSorb™ CT 8x30 mesh

BED EXPANSION DURING BACKWASH

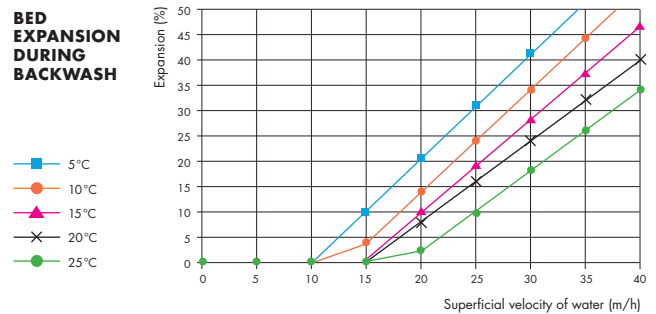


DOWNFLOW PRESSURE LOSS

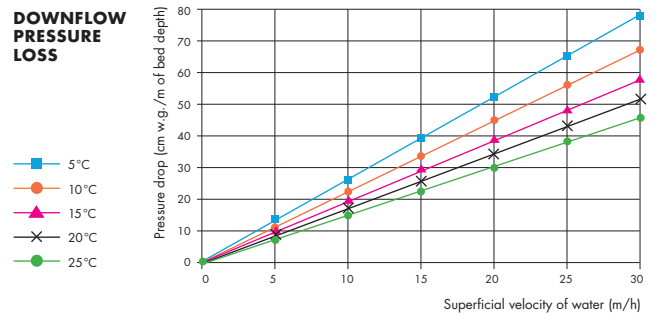


AquaSorb™ CT 10x20 mesh

BED EXPANSION DURING BACKWASH

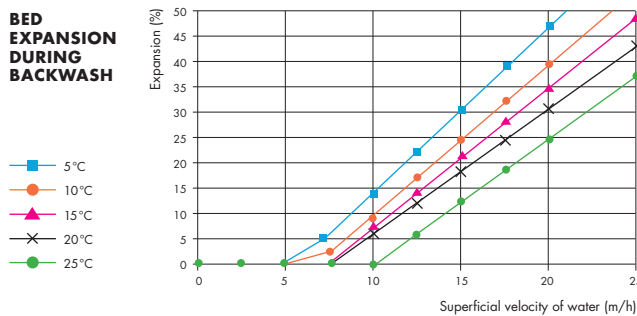


DOWNFLOW PRESSURE LOSS

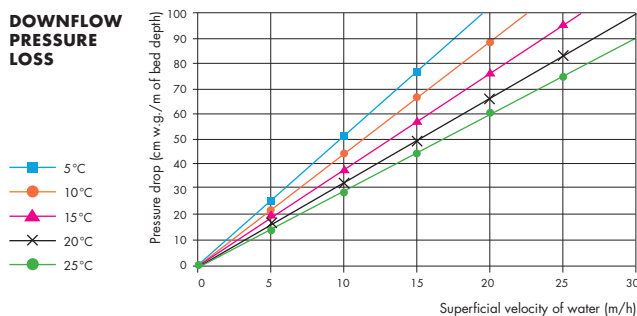


AquaSorb™ CT 12x40 mesh

BED EXPANSION DURING BACKWASH



DOWNFLOW PRESSURE LOSS



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.



For more information or to contact Jacobi visit: www.jacobi.net

NOTICE Due to the progressive nature of the Jacobi Carbons Group and the continually improving designs and performance of our products, we reserve the right to change product specifications without prior notification. The information contained in this datasheet is intended to assist a customer in the evaluation and selection of products supplied by Jacobi Carbons. The customer is responsible for determining whether products and the information contained in this document are appropriate for customer's use. Jacobi Carbons assumes no obligation or liability for the usage of the information in this datasheet, no guarantees or warranties, expressed or implied, are provided. Jacobi Carbons disclaims responsibility and the user must accept full responsibility for performance of systems based on this data.

© Copyright 2012 Jacobi, Jacobi Carbons, PICA and the Jacobi and PICA logos are registered trademarks and AquaSorb, EcoSorb, ColorSorb, DioxSorb, AddSorb, ReSorb, PICA-TF, PICA-PURE, PICA-TOX, PICA-CARB, PICA-GOLD, PICA-RESP, PICA-HYDRO and PICA-CLEAN are trademarks of Jacobi Carbons, all of which may or may not be used in certain jurisdictions.

JACOBI-TDS-AQUASORB-CTA4-ENG-00515

Jacobi Corporate Headquarters
 Slöjdaregatan 1
 SE-39353 Kalmar | Sweden
 Tel: +46 480 417550 | Fax: +46 480 417559
 info@jacobi.net | www.jacobi.net

