



TECHNICAL DATASHEET

AquaSorb™ CR

Granular coconut shell based activated carbon

AquaSorb™ CR is a cost effective, medium activity granular activated carbon manufactured by steam activation from select coconut shell charcoal. It provides high adsorption of low molecular weight compounds at low concentrations as a result of its extensive microporosity. In addition, it is ideally suited for the removal of oxidizing agents such as chlorine and ozone from process water applications. A particularly important feature of this material is its superior mechanical hardness that combined with an excellent de-dusting operation ensures an exceptionally clean product.



SPECIFICATION*

Iodine number	min. 900 mg/g
CTC activity	min. 45 %
Moisture content, as packed	max. 5 %
Total ash content	max. 4 %
Hardness	min. 98 %

TYPICAL PROPERTIES*

Surface area	950 m ² /g
Water soluble ash	1.0 %
Apparent density	540 kg/m ³
Apparent density, backwashed and drained	470 kg/m ³
pH	9 - 11

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

- Extensive internal surface
- Optimized density
- High microporous structure
- Maximum hardness
- Excellent adsorption capacity
- High volume activity
- Effective removal of ozone

Available Particle Sizes

- 20x50 mesh (0.30 - 0.85 mm)
- 12x40 mesh (0.425 - 1.70 mm)
- 8x30 mesh (0.60 - 2.36 mm)
- 8x16 mesh (1.18 - 2.36 mm)
- 6x12 mesh (1.70 - 3.35 mm)
- Other particle sizes available on request

Certifications and Approvals

- NSF/ANSI Standard 61
- AWWA B604-96
- EN12915
- Halal certified production
- Kosher certified production

Standard Packaging

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



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

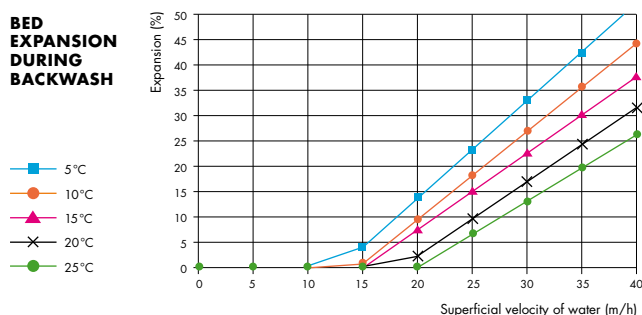
* SPECIFICATIONS AND TYPICAL PROPERTIES ARE PRODUCED USING JACOBI CARBONS' TEST METHODS. THEY ARE LISTED FOR INFORMATIONAL PURPOSES ONLY AND NOT TO BE USED AS PURCHASE SPECIFICATIONS. SALES SPECIFICATIONS CAN BE OBTAINED FROM YOUR JACOBI CARBONS TECHNICAL SALES REPRESENTATIVE AND SHOULD BE REVIEWED BEFORE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

Visit: www.jacobi.net

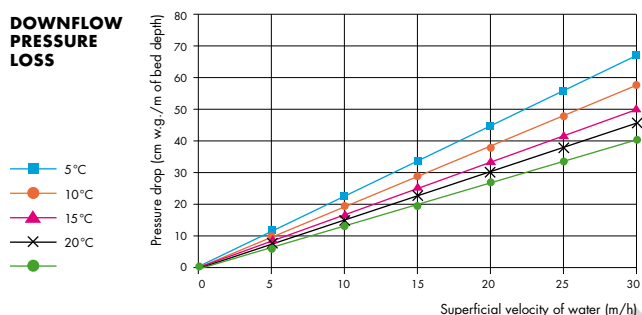


AquaSorb™ CR 8x30 mesh

BED EXPANSION DURING BACKWASH

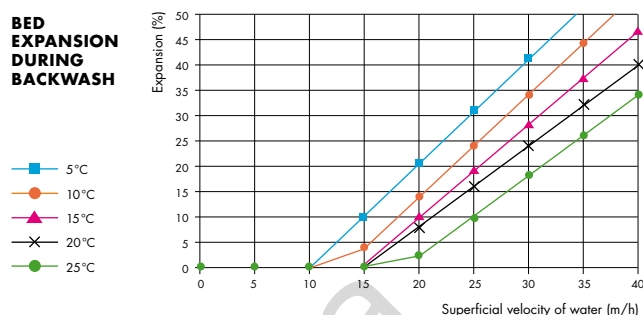


DOWNFLOW PRESSURE LOSS

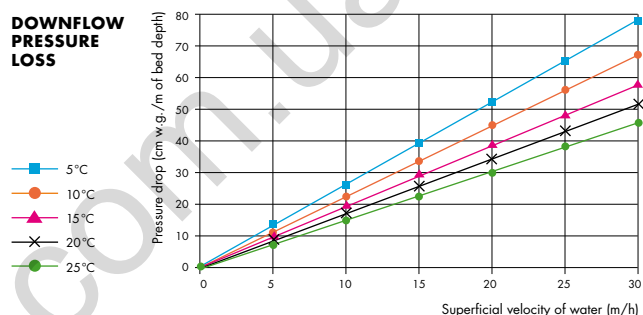


AquaSorb™ CR 10x20 mesh

BED EXPANSION DURING BACKWASH

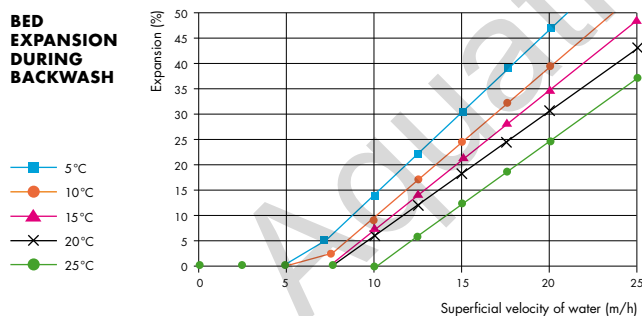


DOWNFLOW PRESSURE LOSS

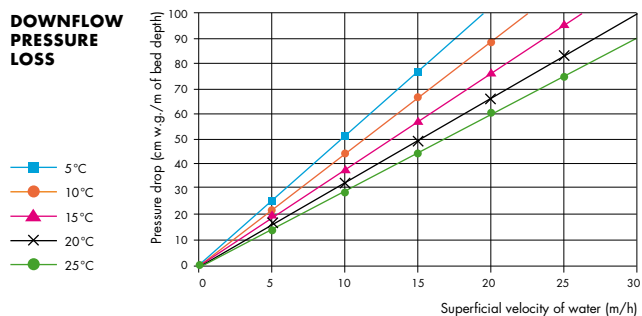


AquaSorb™ CR 12x40 mesh

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 use 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.

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