



TECHNICAL DATASHEET

AquaSorb® GXB

Activated carbon for drinking water treatment

AquaSorb® GXB is a high activity extruded activated carbon, specifically manufactured for the treatment of water for human consumption, in municipal and industrial applications. The manufacturing process produces a product with a homogenous pore structure and a high purity. In addition, the material wets very rapidly leaving no floating particles. The excellent hardness and mechanical strength ensure negligible losses during backwashing, air scouring and multiple reactivations. The material is compliant with international standards for carbon media used in this application.



SPECIFICATION*

Iodine adsorption	min. 950 mg/g
Moisture content, as packed	max. 5 %
Apparent density	min. 440 kg/m ³
Total ash content	max. 15 %
Wettability	min. 99 %
Ball pan hardness	min. 95 %

TYPICAL PROPERTIES*

Iodine adsorption	1000 mg/g
Methylene blue adsorption	180 ml/g
Surface area (BET)	1050 m ² /g
Apparent density	510 kg/m ³
Backwashed and drained density	435 kg/m ³

* 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.

Features and Benefits

- High volume activity
- Predominant microporosity
- Re-agglomerated coal
- Excellent abrasion resistance
- Suitable for multiple reactivations
- Potable water grade

Available Pellet Diameters

- 1.5 mm
- 0.9 mm
- Other pellet diameters considered on request

Approvals and Certifications

- EN12915
- 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

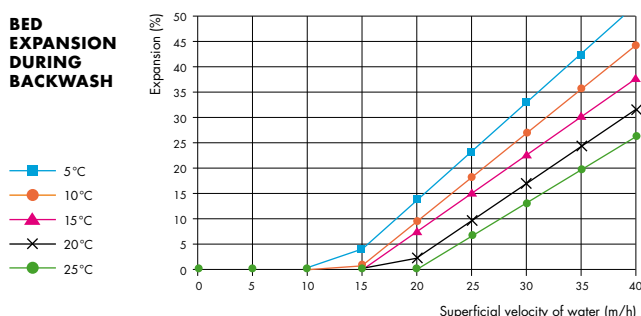


Polypropylene liner-free FIBCs (super sacks), two bags per pallet

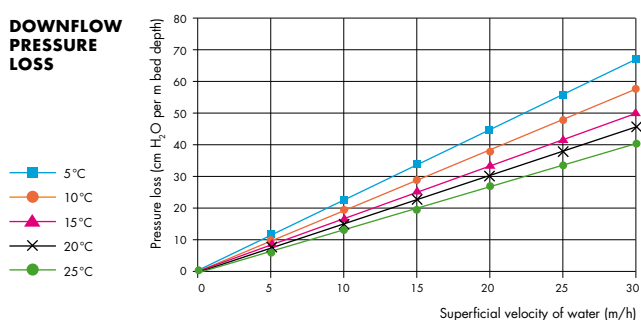


AquaSorb® GXB 1.5 mm

BED EXPANSION DURING BACKWASH

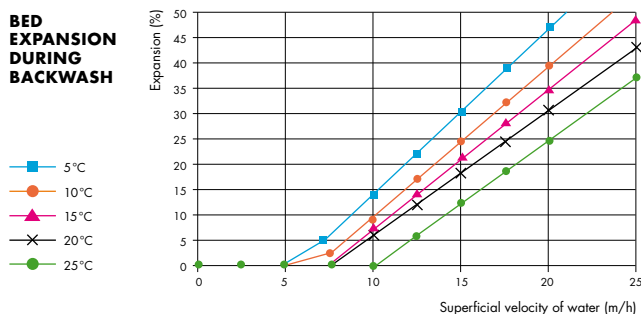


DOWNFLOW PRESSURE LOSS

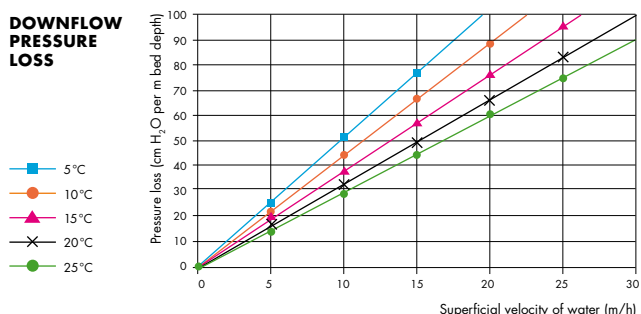


AquaSorb® GXB 0.9 mm

BED EXPANSION DURING BACKWASH



DOWNFLOW PRESSURE LOSS



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

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

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.



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.

© Copyright 2012 Jacobi, Jacobi Carbons, PICA and the Jacobi and PICA logos are registered trademarks and AquaSorb®, EcoSorb®, ColorSorb®, DiaSorb®, 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-GXB-A4-ENG-B0414

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

