



TECHNICAL DATASHEET

AquaSorb™ H150

Acid washed coal based activated carbon

AquaSorb™ H150 is an acid washed high purity high activity granular activated carbon manufactured by steam activation from select grades of bituminous coal. The acid washing process minimizes the leaching of metals and salts making the product particularly well suited for use in high purity water treatment applications. The perfect balance between adsorption and transport pores provides optimum performance in a wide range of process and drinking water treatment applications.



SPECIFICATION*

Iodine number	min. 950 mg/g
Moisture content, as packed	max. 5 %
Total ash content	max. 12 %
Hardness	min. 95 %
Water solubles	max. 0.3 %
pH	4 - 7

TYPICAL PROPERTIES*

Surface area	1010 m ² /g
Apparent density, dry basis	500 kg/m ³
Apparent density, backwashed and drained	440 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

- Acid washed material
- Optimum pore size distribution
- Neutral surface
- High hardness
- High abrasion resistance
- High purity, low conductivity
- Both adsorption and transport pores
- Rapid pH-stabilization, quick start-up
- Minimal particle degradation

Available Particle Sizes

- 12x40 mesh (0.425 - 1.70 mm)
- 10x20 (2.00 - 0.85 mm)
- 8x30 mesh (0.60 - 2.36 mm)
- 8x16 mesh (1.18 - 2.36 mm)
- 6x12 mesh (1.70 - 3.35 mm)

Certifications and Approvals

- ANSI / NSF standard 61
- AWWA B604-96
- EN12915
- Kosher certified

Standard Packaging

- 25 kg bag (55 lb)
- 500 kg bulk bag (1100 lb)
- Bulk tanker - 20 000 kg (44 000 lbs)

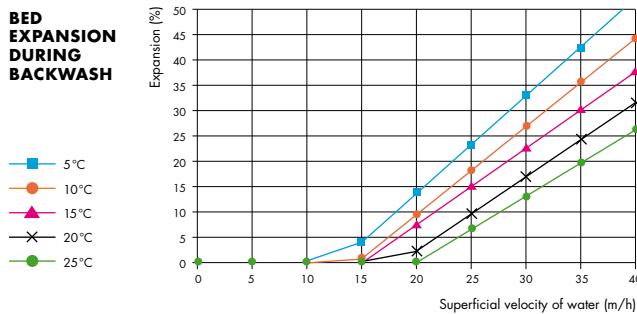


The polyethylene valve bag from Jacobi sets the standard in the industry for clean, durable and safe handling.

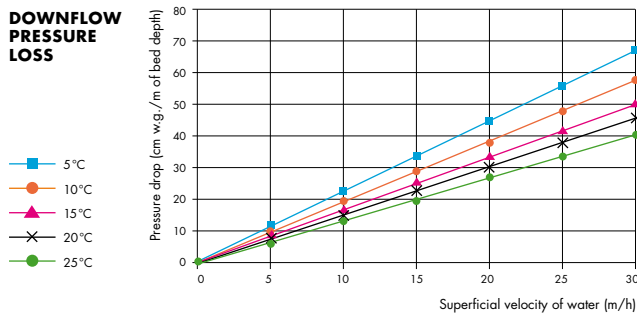


AquaSorb™ H150 8x30 mesh

BED EXPANSION DURING BACKWASH

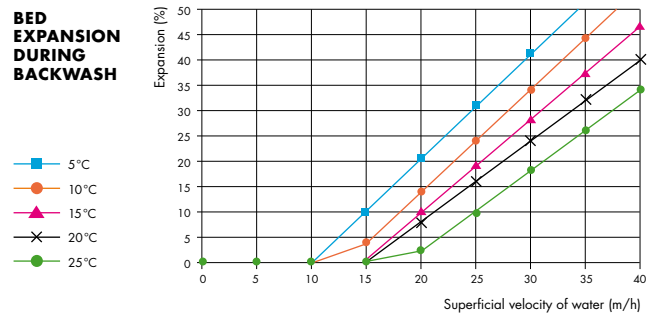


DOWNFLOW PRESSURE LOSS

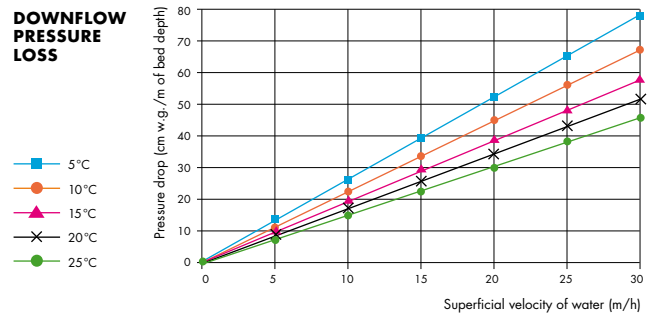


AquaSorb™ H150 10x20 mesh

BED EXPANSION DURING BACKWASH

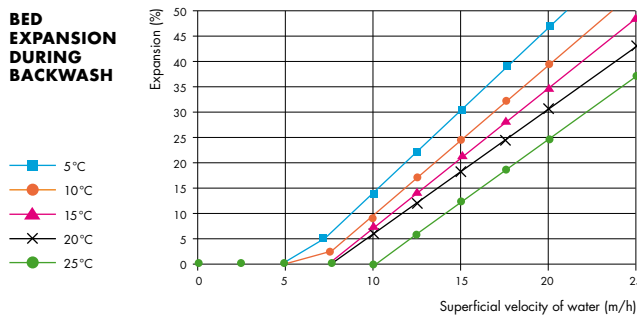


DOWNFLOW PRESSURE LOSS

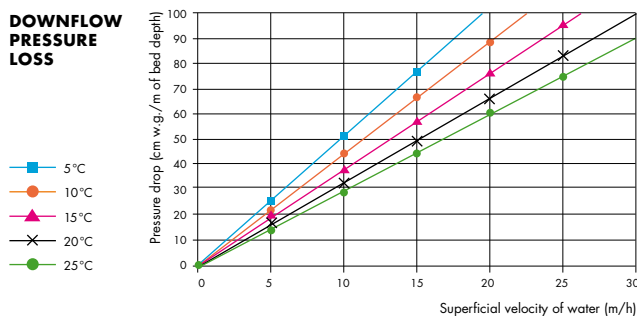


AquaSorb™ H150 12x40 mesh

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.

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JACOBI-TDS-AQUASORB-H150-A4-ENG-C0715

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