



AquaSorb™ H200-Plus

Acid washed coal based activated carbon

AquaSorb™ H200-Plus is an acid washed high purity enhanced activity granular activated carbon manufactured for use in the treatment of industrial and municipal water supplies. 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 washing process also creates a neutral surface pH which reduces the quantity of water used for rinsing prior to use to stabilise the product.



SPECIFICATION*

Iodine number	min. 1000 mg/g
Moisture content, as packed	max. 5%
Total ash content	max. 10%
Hardness	min. 95%
Apparent density	min. 410 kg/m ³
Wettability	min. 99%

TYPICAL PROPERTIES*

Surface area	1050 m ² /g
Methylene blue adsorption	190 ml/g
Apparent density	460 kg/m ³
Backwashed and drained density	400 kg/m ³

PARTICLE SIZE (mesh)	20x40	12x40	10x20	8x30	8x18
Oversize	<5%	<5%	<5%	<5%	<5%
Undersize	<4%	<4%	<4%	<4%	<4%
Effective size	0.4 mm	0.6 mm	0.8 mm	1.0 mm	1.2mm
Mean particle diameter	0.6 mm	1.0 mm	1.4 mm	1.4 mm	1.8 mm
Uniformity co-efficient	1.5	1.7	1.7	1.6	1.5

Features and Benefits

- Enhanced activity product
- Rapid pH stabilisation
- High mechanical strength
- High purity and low conductivity
- Potable water grade

Available Particle Sizes

- 8x18 mesh (2.36 - 1.18 mm)
- 8x30 mesh (2.36 - 0.60 mm)
- 10x20 mesh (2.00 - 0.85 mm)
- 12x40 mesh (1.70 - 0.43 mm)
- 20x40 mesh (0.85 - 0.425 mm)

Typical Applications

- Protection of ion exchange resins
- Ultra-pure water treatment plants
- POE treatment units
- Dialysis
- Treatment of inorganic acids
- Municipal drinking water

Approvals and Certifications

- EN12915
- 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

* 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.

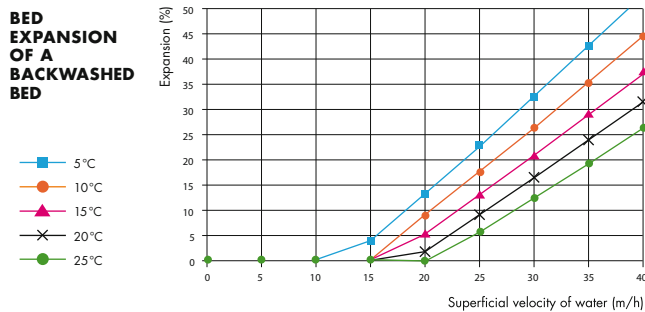


TECHNICAL DATASHEET

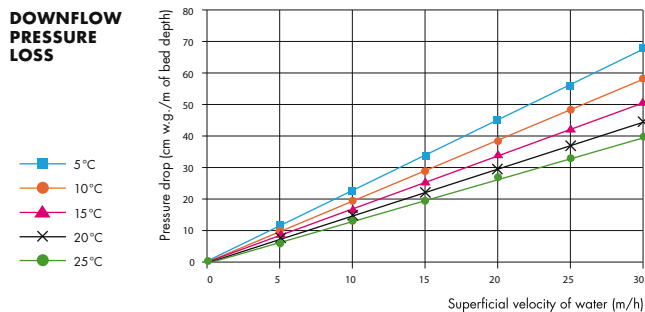


AquaSorb™ H200-Plus 8x30 mesh

BED EXPANSION OF A BACKWASHED BED

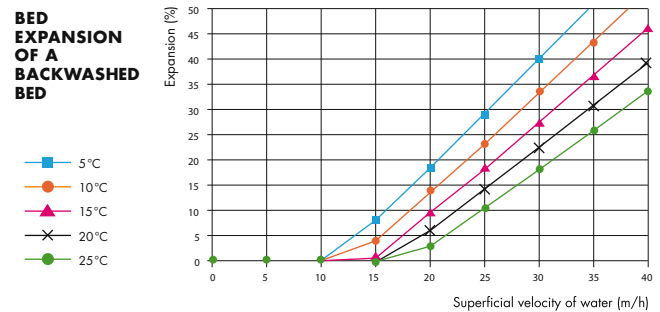


DOWNFLOW PRESSURE LOSS

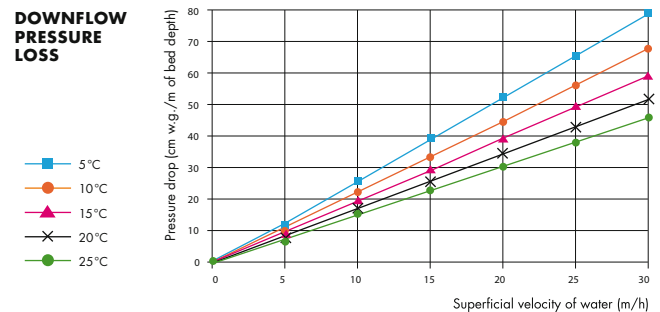


AquaSorb™ H200-Plus 10x20 mesh

BED EXPANSION OF A BACKWASHED BED

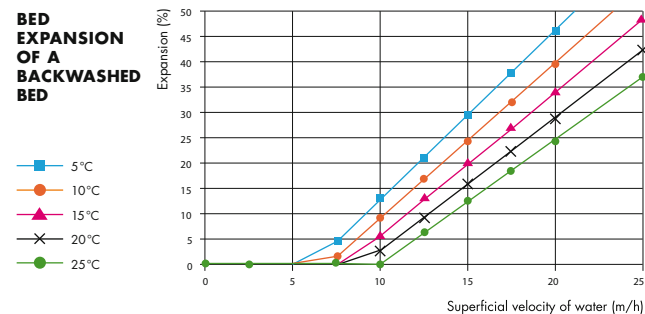


DOWNFLOW PRESSURE LOSS

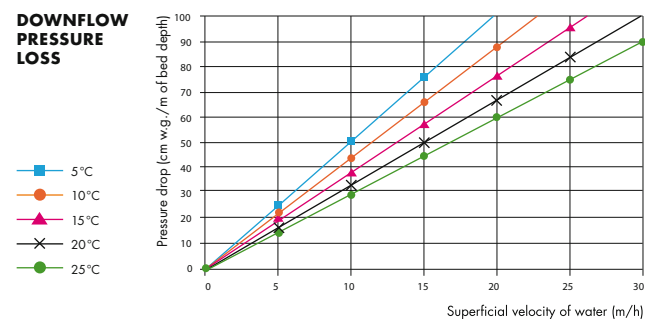


AquaSorb™ H200-Plus 12x40 mesh

BED EXPANSION OF A BACKWASHED BED



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.

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.



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

FOR MORE INFORMATION OR TO CONTACT JACOBI VISIT: WWW.JACOBI.NET

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JACOBI-TDS-AQUASORB-H200-Plus-A4-ENG-C0418



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