TECHNICAL DATASHEET

AquaSorb™ 1000

Activated carbon for drinking water treatment

AquaSorb™ 1000 is a medium activity granular activated carbon, specifically manufactured for the treatment of water for human consumption, in both municipal and industrial applications. The manufacturing process develops a porous structure that is effective in the removal of dissolved organic matter, pesticides and chemicals that are found in raw water sources. AquaSorb™ 1000 is suitable for use in the treatment of ground, surface and network supplies. The material is compliant with international standards for carbon media used in this application.



Features and Benefits

- Medium activity product
- Versatile adsorbent
- High mechanical strength
- Good adsorption capacity
- Potable water grade

Available Particle Sizes

- 8x18 mesh (2.36 – 1.00 mm)
- 8x30 mesh (2.36 – 0.60 mm)
- 10x20 mesh (2.00 – 0.85 mm)
- 12x40 mesh (1.70 – 0.425 mm)
- 20x40 mesh (0.85 – 0.425 mm)
- Other sizes considered on request

Approvals & Certifications

- EN12915-1
- 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

SPECIFICATION*

Iodine number	min. 850 mg/g
Moisture content, as packed	max. 5 %
Ash content	max. 15 %
Ball-pan hardness	95 %

TYPICAL PROPERTIES*

Iodine number	870 mg/g
Surface area (BET)	900 m^2/g
Apparent density	560 kg/m^3
Backwashed and drained density	475 kg/m^3



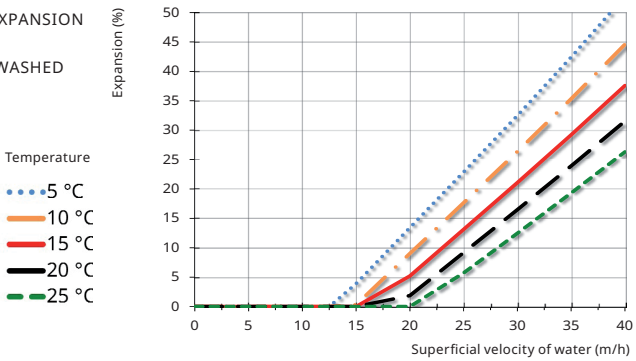
Polypropylene liner-free FIBCs (super sacks), two bags per pallet

* 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.

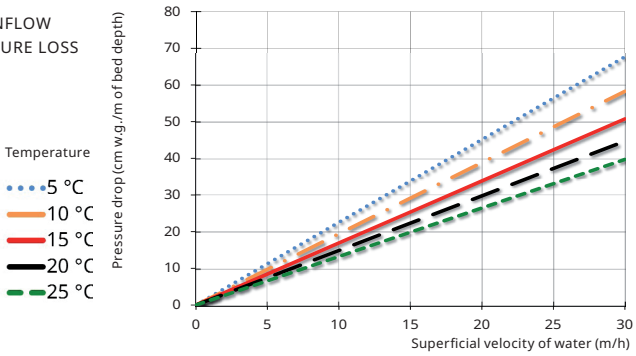
TECHNICAL DATASHEET

AquaSorb™ 1000 8x30 mesh

BED EXPANSION OF A BACKWASHED BED

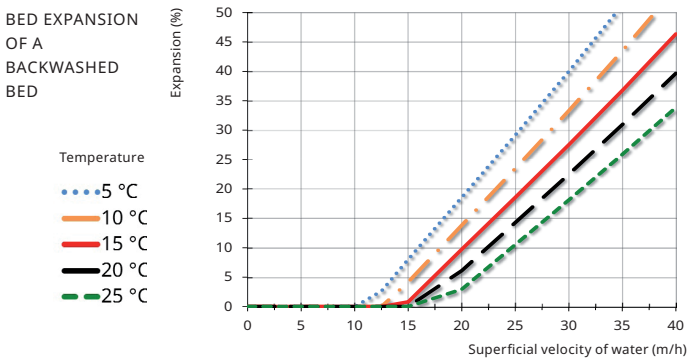


DOWNFLOW PRESSURE LOSS

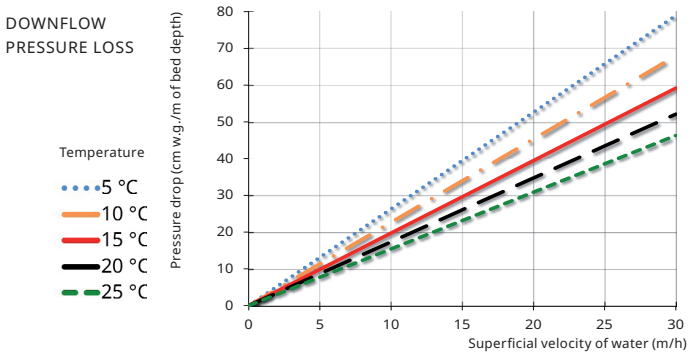


AquaSorb™ 1000 10x20 mesh

BED EXPANSION OF A BACKWASHED BED

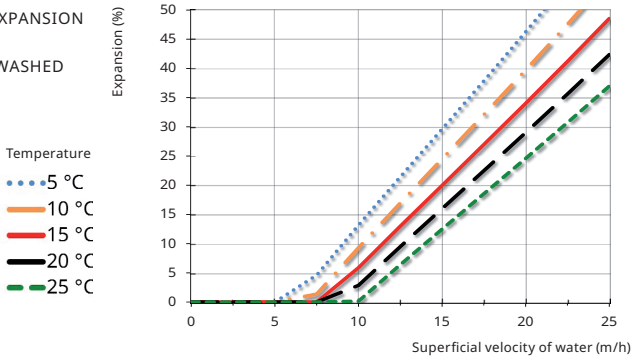


DOWNFLOW PRESSURE LOSS

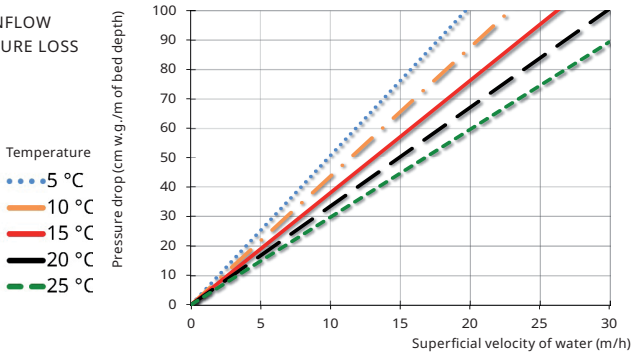


AquaSorb™ 1000 12x40 mesh

BED EXPANSION OF A BACKWASHED BED



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. Typical data only for indicative purposes.

PARTICLE SIZE (MESH)

	20x40	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 diameter	0.6 mm	1.0 mm	1.4 mm	1.4 mm	1.8 mm
Uniformity coefficient	<1.5	<1.7	<1.5	<1.6	<1.5

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.

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JACOBI CARBONS IS A PROUD MEMBER OF THE OSAKA GAS CHEMICALS GROUP

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