



AquaSorb™ 90

Activated carbon for waste water treatment

AquaSorb™ 90 is a medium activity granular activated carbon, specifically manufactured for the treatment of industrial waste water. The manufacturing process develops a porous structure that is effective in the removal of dissolved organics, solvents and a variety of chemicals that are found in effluent from industrial processes and contaminated groundwater. The particle size distribution of this product is carefully controlled to maintain high removal efficiencies and high permeability in heavily polluted streams.



SPECIFICATION*

Iodine number	min. 900 mg/g
Moisture content, as packed	max. 5 %
Apparent density	min. 410 kg/m ³
Ash content	max. 16 %
Wettability	min. 92 %

TYPICAL PROPERTIES*

Iodine number	920 mg/g
Surface area (BET)	950 m ² /g
Apparent density	550 kg/m ³
Backwashed and drained density	470 kg/m ³
Ball-Pan hardness	96 %

Features and Benefits

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

Available Particle Sizes

- 8x30 mesh (2.36 – 0.60 mm)
- 12x40 mesh (1.70 – 0.425 mm)

Standard Packaging

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



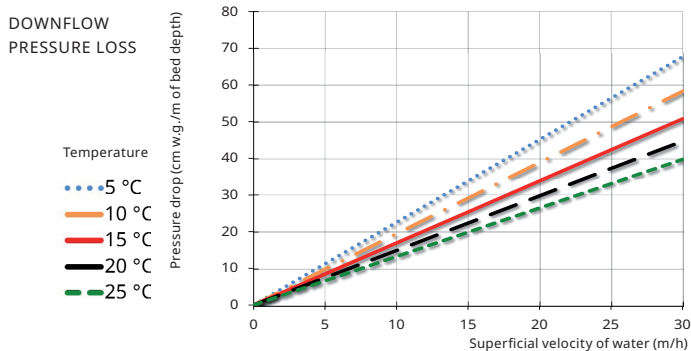
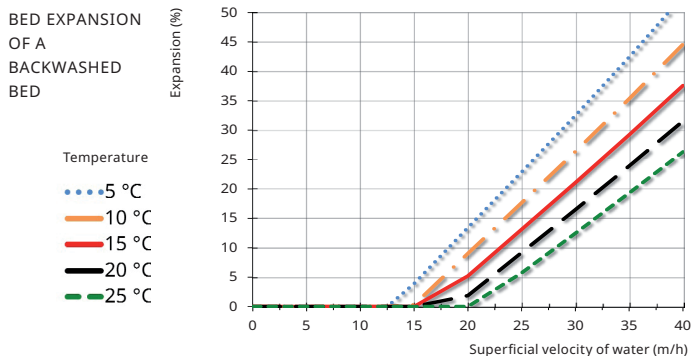
Polypropylene liner-free FIBCs (super sacks), two bags per pallet



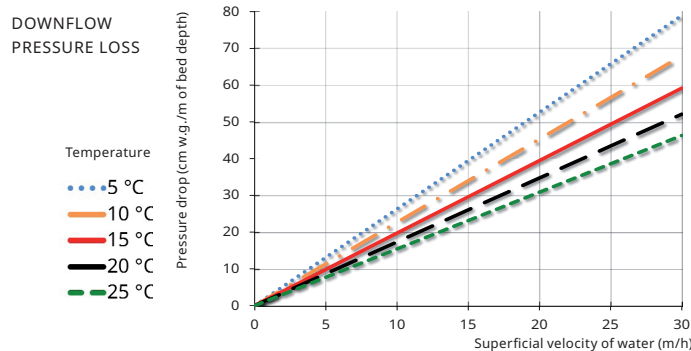
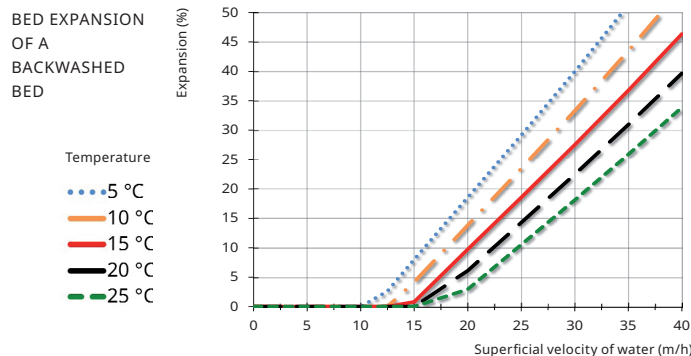
TECHNICAL DATASHEET



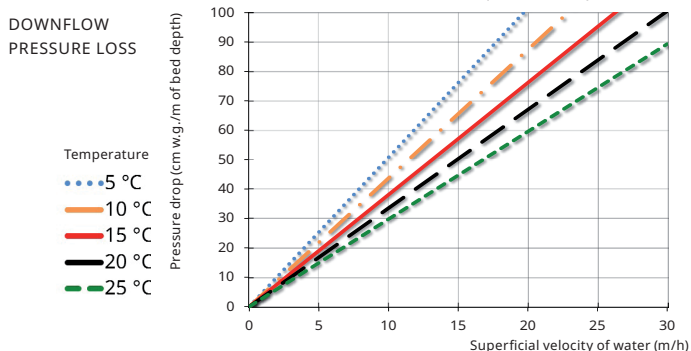
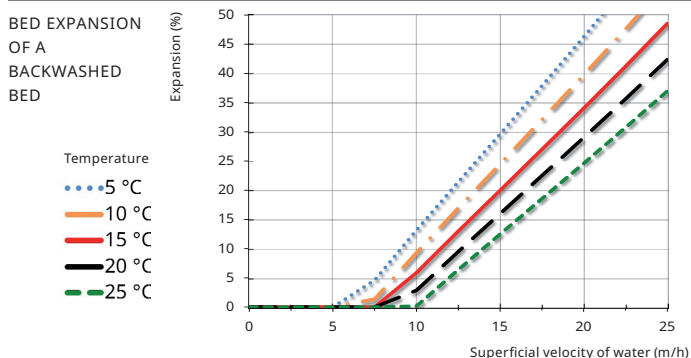
AquaSorb™ 90 8x30 mesh



AquaSorb™ 90 10x20 mesh



AquaSorb™ 90 12x40 mesh



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.

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.



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