



TECHNICAL DATASHEET

AquaSorb™ 80

Activated carbon for waste water treatment

AquaSorb™ 80 is a standard activation 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 adsorption | min. 800 mg/g |
| Moisture content, as packed | max. 5% |
| Apparent density | min. 410 kg/m ³ |
| Total ash content | max. 16% |
| Wettability | min. 92% |

TYPICAL PROPERTIES*

| | |
|--------------------------------|-----------------------|
| Iodine adsorption | 820 mg/g |
| Surface area (BET) | 850 m ² /g |
| Apparent density | 580 kg/m ³ |
| Backwashed and drained density | 510 kg/m ³ |
| Ball pan hardness | 96% |

* 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

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

Available Particle Sizes

- 8x30 mesh (2.36 - 0.60 mm)
- 12x40 mesh (1.70 - 0.43 mm)

Standard Packaging

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

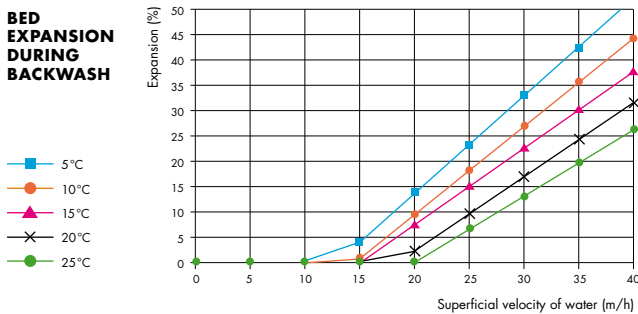


Polpropylene liner-free FIBCs (super sacks), two bags per pallet

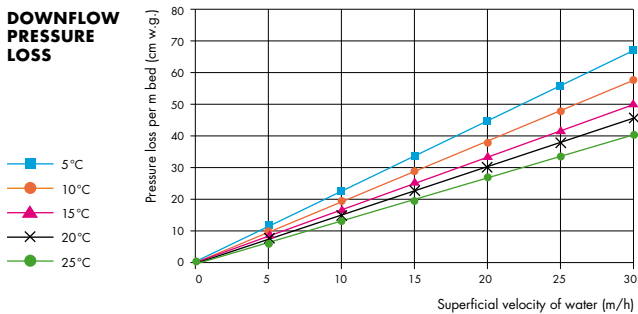


AquaSorb™ 80 8x30 mesh

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.

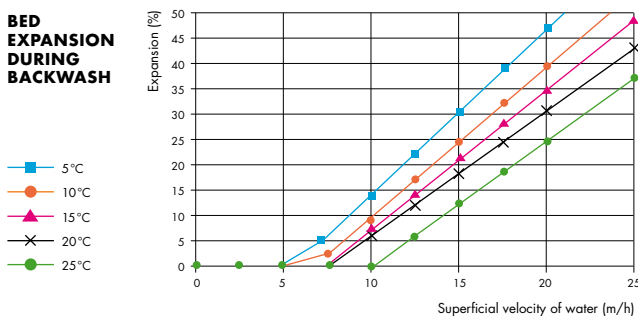
TECHNICAL SUPPORT AND KNOW-HOW

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.

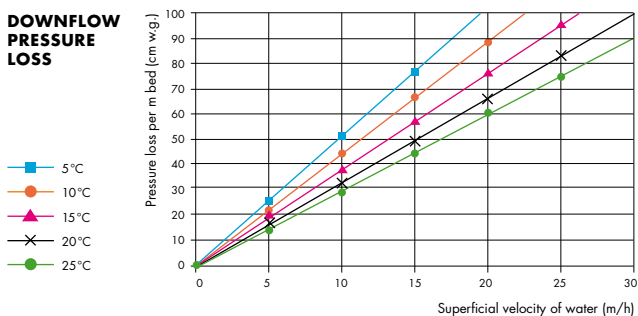


AquaSorb™ 80 12x40 mesh

BED EXPANSION DURING BACKWASH



DOWNFLOW PRESSURE LOSS



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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