



# TECHNICAL DATASHEET

## AquaSorb® HS

### Acid washed coconut based activated carbon

AquaSorb® HS is an acid washed high purity high activity granular activated carbon manufactured by steam activation from carefully select coconut shells. This activated carbon is produced for use in ultra-pure water treatment systems requiring low conductivity and exceptionally high purity. This activated carbon is also specifically designed for the removal of heavy hydrocarbons from recovered condensate. The acid washing process removes soluble silica from the matrix of the activated carbon to prevent leaching into the condensate.



#### SPECIFICATION\*

Iodine number	min. 1000 mg/g
Moisture content	max. 5%
Total ash content	max. 1%
Apparent density	min. 460 kg/m <sup>3</sup>
pH	5 - 7
Hardness	min. 98%

#### TYPICAL PROPERTIES\*

Surface area	1050 m <sup>2</sup> /g
CTC activity	55%
Apparent density	535 kg/m <sup>3</sup>
Apparent density, backwashed and drained	455 kg/m <sup>3</sup>

\* 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

- Extensive internal structure
- Optimized density
- Neutral surface
- Maximum hardness
- Extended operational life
- High volume activity
- Rapid pH-stabilization, quick start-up
- Minimized operational losses

#### Typical Applications

- Condensate de-oiling
- Semiconductor process water
- Dialysis treatment
- POE treatment units
- Protection of RO membranes

#### Available Particle Sizes

- 12x40 mesh (0.425 - 1.70 mm)
- 8x30 mesh (0.60 - 2.36 mm)
- Other mesh sizes available

#### Certifications and Approvals

- NSF / ANSI Standard 61
- AWWA B604-95
- EN12915-1
- Halal certified production
- Kosher certified production
- Food chemical codex compliant

#### Standard Packaging

- 25 kg bag (55 lb)
- 500 kg bulk bag (1100 lb)

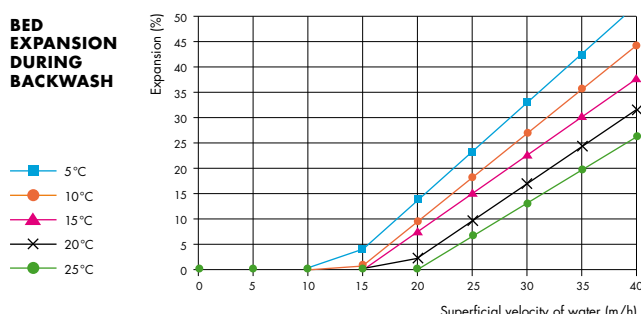


The polyethylene valve bag from Jacobi sets the standard in the industry for clean, durable and safe handling.

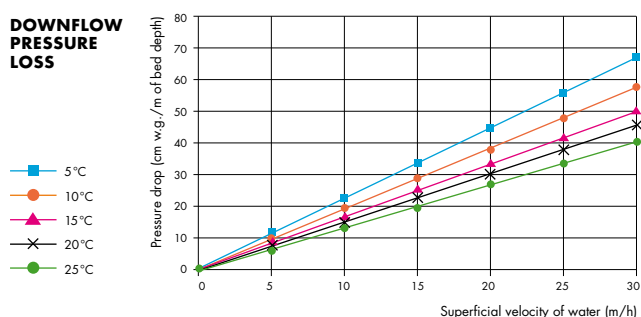


## AquaSorb® HS 8x30 mesh

### BED EXPANSION DURING BACKWASH



### DOWNFLOW PRESSURE LOSS

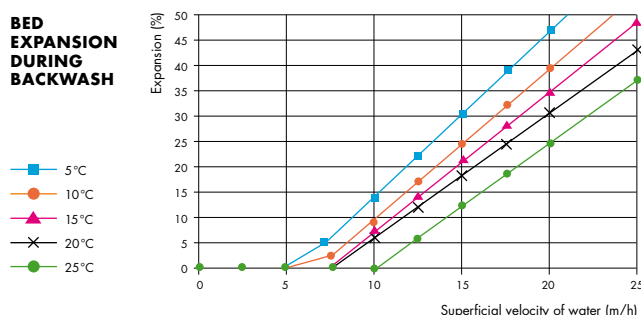


## PRODUCTION CAPABILITY

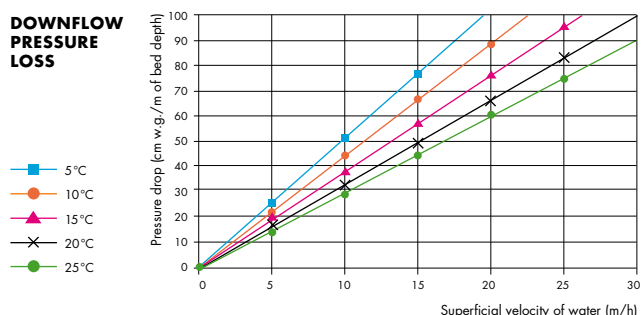
The Jacobi Carbons Group of companies owns and operates manufacturing facilities in nine countries around the world. We produce in excess of 70,000 metric tonnes of high quality activated carbons based on coconut shell, coal and wood, by both chemical and steam (physical) activation methods. Our facilities 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.

## AquaSorb® HS 12x40 mesh

### BED EXPANSION DURING BACKWASH



### DOWNFLOW PRESSURE LOSS



## 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.

**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 use 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.

© Copyright 2012 Jacobi, Jacobi Carbons, PICA and the Jacobi and PICA logos are registered trademarks and AquaSorb, EcoSorb, ColorSorb, DiaSorb, AddSorb, ReSorb, PICA-TF, PICA-PURE, PICA-TOX, PICA-CARB, PICA-GOLD, PICA-RESP, PICA-HYDRO and PICA-CLEAN are trademarks of Jacobi Carbons, all of which may or may not be used in certain jurisdictions.

JACOBI-TDS-AQUASORB-HS-A4-ENG-81013

**LENNTECH**

info@lennotech.com Tel. +31-152-610-900  
www.lennotech.com Fax. +31-152-616-289



**Jacobi**  
THE CARBON COMPANY