

## AquaSorb® 1000

granular coal based  
activated carbon

### Features and Benefits

- Medium activity
- Proven drinking water adsorbent
- High density
- High wettability
- High hardness and abrasion resistance
- Proven superior for multiple reactivations
- Excellent adsorption capacity
- Both adsorption and transport pores

### Typical Applications

- Treatment of municipal drinking water
- Production of soft drinks and beer
- Dechlorination of process water
- Purification of MEA/DEA

### Available Particle Sizes

- 20x50 mesh (0.30 - 0.85 mm)
- 12x40 mesh (0.425 - 1.70 mm)
- 8x30 mesh (0.60 - 2.36 mm)
- 8x20 mesh (0.85 - 2.36 mm)
- 8x16 mesh (1.18 - 2.36 mm)

### Certifications and Approvals

- ANSI / NSF standard 61
- AWWA B604-96
- EN12915

### 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® 1000 is a highly economical, medium activity granular activated carbon manufactured by steam activation from select grades of bituminous coal. The perfect balance between adsorption and transport pores provides optimum performance in a wide range of water treatment applications. The product is a high density adsorbent and provides maximum volume activity. The high hardness and mechanical strength ensures negligible losses during backwashing, air scouring and multiple reactivations.



Soft drink manufacturers and breweries rely upon AquaSorb® activated carbon for dechlorination and dissolved organic removal.

### Specification

Iodine number	min. 850 mg/g
Moisture content	max. 5%
Total ash content	max. 15%
Wettability	min. 95%
Hardness	min. 95%

### Typical Properties

Surface area	900 m <sup>2</sup> /g
Methylene blue number	200 mg/g
Total pore volume	0.88 cm <sup>3</sup> /g
Water soluble ash	0.2%
Apparent density	510 kg/m <sup>3</sup>
pH	8-11

#### CORPORATE OFFICE

##### Sweden

Jacobi Carbons AB  
Bredbandet 1, Varvsholmen  
SE-392 30 Kalmar

Tel: +46 480 417550  
Fax: +46 480 417559  
info@jacobi.net  
www.jacobi.net



# Jacobi

THE CARBON COMPANY

#### SALES OFFICES

##### Germany

Jacobi Carbons GmbH  
Feldbergstrasse 21  
D-60323 Frankfurt/Main

Tel +49 69 719107-0  
Fax +49 69 719107-20  
infode@jacobi.net

##### United States

Jacobi Carbons, Inc.  
1518 Walnut Street, 18th Floor  
Philadelphia, PA 19102

Tel: (215) 546-3900  
Fax: (215) 546-9921  
infous@jacobi.net

##### United Kingdom

Jacobi Carbons Ltd.  
Croft Court, Moss Estate  
Leigh, Lancs, WN7 3PT

Tel: +44 1942 670 600  
Fax +44 1942 670 605  
infouk@jacobi.net

##### Malaysia

Jacobi Carbons (Asia) Sdn Bhd  
1-04-18, Krystal Point Corporate Park  
Jalan Tun Dr. Awang  
11900 Bayan Lepas, Penang

Tel: +60 4 643 9828  
Fax: +60 4 644 3928  
infoasia@jacobi.net

#### SALES OFFICES (cont.)

##### Finland

Jacobi Carbons AB (SS)  
Ruoholahdenkatu 8  
SF-00180 Helsinki

Tel: +358 9 643602  
Fax: +358 9 642900  
infofin@jacobi.net

##### Switzerland

Jacobi Carbons AG  
Rheinweg 5  
CH-8200 Schaffhausen

Tel: +41 52 647 30 00  
Fax: +41 52 647 30 09  
infoch@jacobi.net



Certified to ANSI/NSF Std. 61



Polyethylene valve bags of  
25 kg (55 lb) net weight on  
500 kg (1100 lb) pallets



Polypropylene liner-free  
FIBCs (super sacks) of  
500 kg (1100 lb) net weight

**CAUTION** Activated carbon is a strong oxidizing agent and can remove oxygen from air under wet or humid conditions. Care should be taken when entering confined spaces where wet activated carbon is present. Ensure the use of correct breathing apparatus. Material Safety Data Sheets should be consulted for further details on procedures in the event of contact with activated carbon.

**NOTICE** Due to the progressive nature of Jacobi Carbons Group and the continually improving design 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.



**WORLDWIDE DISTRIBUTORS** A diverse network of agents, strategically located around the world. Please contact any Jacobi Carbons office to locate your nearest distributor: AquaSorb®, EcoSorb®, GoldSorb®, ColorSorb®, DioxSorb®, AddSorb® and Jacobi are registered trademarks of Jacobi Carbons.  
© Jacobi Carbons, 2007.