

# AquaSorb® FA75

## selected natural anthracite coal for water filtration

### Features and Benefits

- Selected natural filtration anthracite
- Maximum hardness
- Superior filtration characteristics
- Strictly controlled particle size
- Numerous worldwide drinking water approvals
- Abrasive resistant particles
- Minimal losses during backwashing
- Extension of filter runs
- Stable filtrate quality

### Typical Applications

- Removal of suspended solids / turbidity
- Filtration of surface and turbid well water
- Pre-filtration in GAC, IER and RO plants
- Municipal, process and effluent water treatment
- Filtration of boiler feed water
- Tertiary sewage treatment
- Filtration of biologically treated waste water
- Dual or multimedia filters
- Support layers for filter media
- Desalination plants

### Certifications and Approvals

- EN12901:99

### Standard Packaging

- 20 kg bag (44 lb)
- 1000 kg bulk bag (2200 lb)



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

AquaSorb® FA75 is a natural anthracite manufactured by screening, washing and processing of durable and specially selected grades of anthracite coal. The inert nature of AquaSorb® anthracite makes it highly suitable for water treatment applications where mechanical filtration of suspended solids and turbidity from water is required. The use of AquaSorb® anthracite allows higher filtration rates and extended operation between backwash intervals.



AquaSorb® anthracite coal is used to remove suspended solids in drinking water treatment plants and in tertiary waste water treatment.

### Specification

Moisture content	max. 3%
Volatiles	max. 7%
Fixed carbon	min. 76%
Hardness	3 - 4 Moh
Acid solubility	max. 3.5%

### Typical Properties

Specific gravity	1.40 g/cm <sup>3</sup>
Apparent density	0.80 - 0.85 g/cm <sup>3</sup>
Attrition loss after backwashing	0.3%
Grain porosity	5%
Sulphur content	0.3%

### Particle Sizes

0.6 - 1.2 mm [grade 1]	ES 0.7 mm, UC <1.7
0.8 - 1.4 mm [grade 1s]	ES 0.9 mm, UC <1.7
1.2 - 2.5 mm [grade 2]	ES 1.3 mm, UC <1.7
1.4 - 2.5 mm [grade 2s]	ES 1.6 mm, UC <1.7
2.5 - 4.0 mm [grade 3]	ES 2.6 mm, UC <1.7

Jacobi Carbons reserves the right to modify specifications without prior notice. To obtain a full sales specification with test methods, please contact your nearest Jacobi Carbons office.

## 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

## 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



**Jacobi**  
THE CARBON COMPANY

## 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



Polyethylene valve bags of  
20 kg (44 lb) net weight on  
400 kg (880 lb) pallets



Polypropylene liner-free  
FIBCs (super sacks) of  
1000 kg (2200 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.

ISO 9001

BUREAU VERITAS  
Certification

