

# 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

- EN12909:1999

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\*

Fixed carbon	min. 76%
Moisture content	max. 3%
Volatiles	max. 7%
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



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**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 the 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.

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