



## AquaSorb® CS

### granular coconut shell based activated carbon

#### Features and Benefits

- Extensive internal structure
- Optimized density
- Highly microporous structure
- Maximum hardness
- Low dust and turbidity
- Excellent adsorption capacity
- High volume activity
- Rapid dechlorination
- Effective removal of ozone
- Low filtered water turbidity

#### Typical Applications

- Municipal drinking water treatment
- Residential water treatment systems Point of Entry (POE)/ Point of Use (POU)
- Beverage production
- Protection of ion exchange resins from chlorine and organic fouling

#### Available Particle Sizes

- 20x50 mesh (0.30 - 0.85 mm)
- 12x40 mesh (0.425 - 1.70 mm)
- 8x30 mesh (0.60 - 2.36 mm)
- 8x16 mesh (1.18 - 2.36 mm)
- other granulations available upon request

#### Certifications and Approvals

- NSF / ANSI Standard 61
- AWWA B604-96
- EN12915
- Halal certified

#### 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® CS is a high activity granular activated carbon manufactured by steam activation from select coconut shell charcoal. Its enhanced microporosity makes it particularly well suited for the removal of low molecular weight organic compounds and their chlorinated by-products such as chloroform and other trihalomethanes (THM's). It is also ideally suited for the removal of oxidizing agents such as chlorine and ozone from process water. An important feature of this material is its superior mechanical hardness and the extensive dedusting during its manufacture that ensures an exceptionally clean activated carbon product.



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

#### Specification\*

Iodine number	min. 1000 mg/g
CTC activity	min. 50%
Moisture content (as packed)	max. 5%
Total ash content	max. 4%
Ball-pan hardness	min. 98%

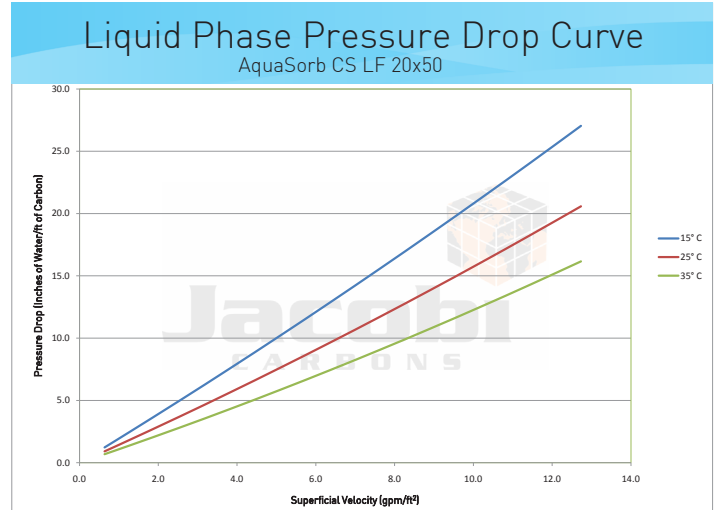
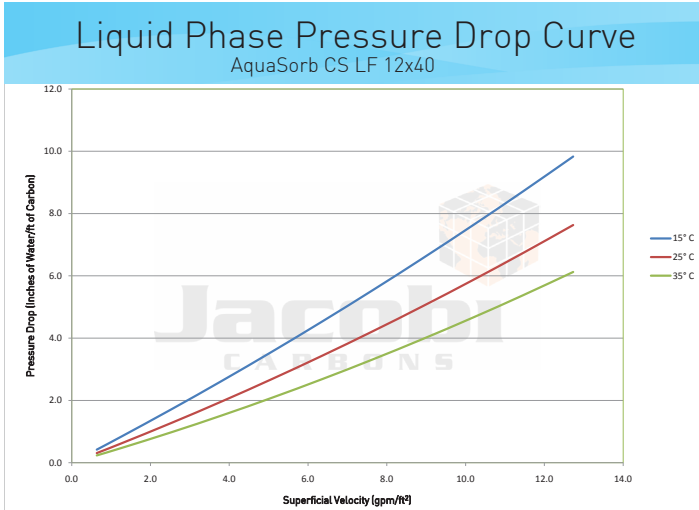
#### Typical Properties\*

Surface area (BET)	1050 m <sup>2</sup> /g
Chlorine half length value (12x40 mesh)	1.8 cm
Apparent density	510 kg/m <sup>3</sup>
Bed density, backwash and drained	440 kg/m <sup>3</sup>
pH	10

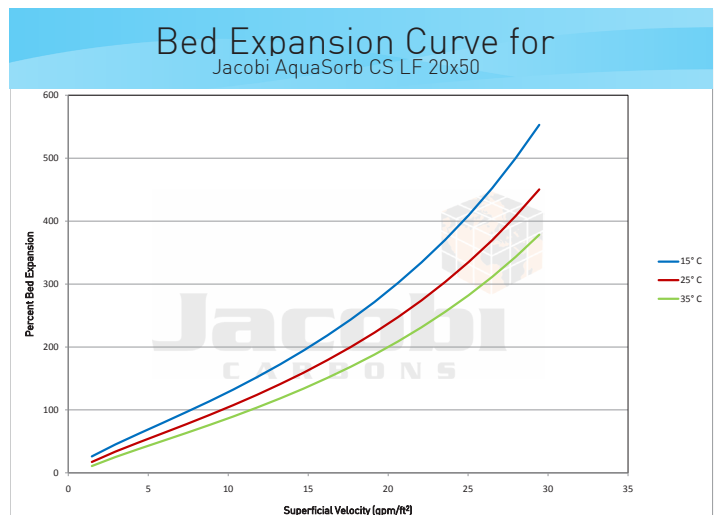
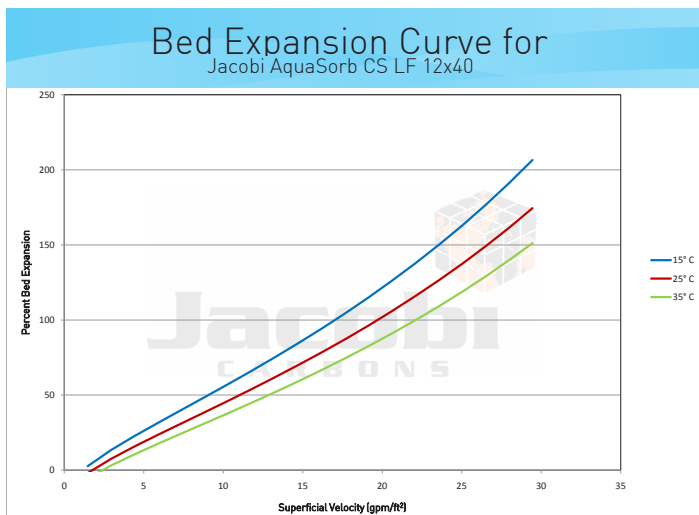
\* Specifications and typical properties are produced using Jacobi Carbons' test methods. They are listed for informational purposes only and not to be used as purchase specifications. Sales specifications can be obtained from your Jacobi Carbons Technical Sales Representative and should be reviewed before placing an order.



## Pressure Drop Curves



## Bed Expansion Curves



Certified to ANSI/NSF Std. 61



Polyethylene valve bags,  
20 bags per pallet.



Polypropylene liner-free  
FIBCs (super sacks),  
2 bags per pallet.

**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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