

Westates[®] coal based granular activated carbon - BevCarb[®] 1240

For Use in Preparation of High Purity Water

Description & Applications

BevCarb[®] 1240 activated carbon is an acid washed bituminous coal based carbon that has been specifically developed for the preparation of high purity water for use in the manufacture of beverages. It is especially effective for adsorbing chlorine, chloramines, disinfection by-products, and other trace level organics from municipal water. Being acid washed, BevCarb[®] 1240 activated carbon has a low water soluble ash content, is pH neutral and is free of sulfides.

Applications

Cost effective BevCarb[®] activated carbons developed by Siemens have been demonstrated to provide superior performance in an extensive array of liquid phase treatment applications. BevCarb[®] activated carbons are available for:

- Dechlorination/chloramine reduction
- Removal of organic contaminants
- Disinfection by-product (DBP) removal
- High purity water applications
- Beverage processing
- Hemodialysis

Quality Control

BevCarb[®] activated carbon is extensively quality checked at our State of California certified environmental and carbon testing laboratory located in Los Angeles, CA. Siemens' laboratory is fully equipped to provide complete quality control analyses using ASTM standard test methods in order to assure the consistent quality of all Westates[®] carbons.

Our technical staff offers hands-on guidance in selecting the most appropriate system, operating conditions and carbon to meet your needs. For more information, contact your nearest Siemens representative.



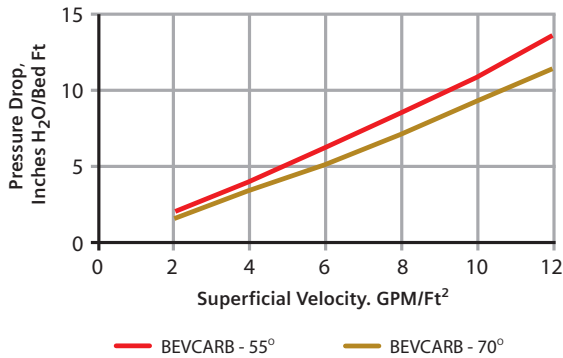
Features and Benefits:

- ANSI/NSF Standard 61 classified for use in potable water applications
- Fully conforms to physical, performance and leachability requirements established by the current ANSI/AWWA B604 (which includes the Food Chemical Codex requirements).
- A detailed quality assurance program guarantees consistent quality from lot to lot and shipment to shipment.

Typical Properties

Parameter	BevCarb® 1240
Carbon Type	Bituminous Coal
Mesh Size, U.S. Sieve	12 x 40
Effective Size, mm	0.55 - 0.75
Uniformity Coefficient	1.9
Iodine No., mgI ₂ /g	950
Abrasion No., Wt. %	80
Apparent Density, g/cc	0.46 - 0.54
Water Soluble Ash, Wt. %	0.3
Contact pH	6.5 - 8

**Downflow Pressure Drop Through
A Backwashed and Stratified Bed**

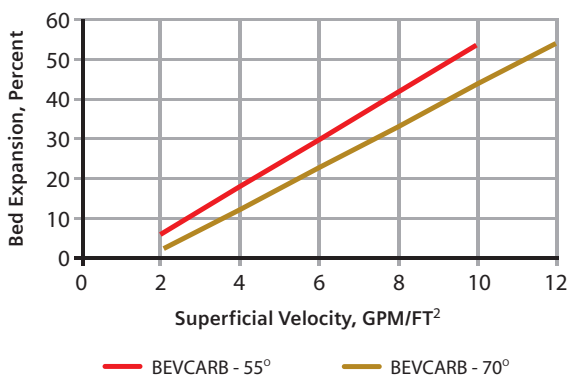


Safety Note: Under certain conditions, some compounds may oxidize, decompose or polymerize in the presence of activated carbon causing a carbon bed temperature rise that is sufficient to cause ignition. Particular care must be exercised when compounds that have a peroxide-forming tendency are being adsorbed. In addition the adsorption of VOCs will lead to the generation of heat within a carbon bed. These heats of reaction and adsorption need to be properly dissipated in order to fully assure the safe operation of the bed.

Wet activated carbon readily adsorbs atmospheric oxygen. Dangerously low oxygen levels may exist in closed vessels or poorly ventilated storage areas. Workers should follow all applicable state and federal safety guidelines for entering oxygen depleted areas.

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Percent Bed Expansion During Backwash



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