

# Westates<sup>®</sup> coconut shell based granular activated carbon - AquaCarb<sup>®</sup> 1240C and 1240AWC

## For use in Potable water, Wastewater and Process Water applications

### Description

AquaCarb<sup>®</sup> 1240C and 1240AWC carbons are high activity coconut shell based granular activated carbons. These hard, attrition resistant high surface area carbons are designed to remove difficult to adsorb organics from potable and process water. They are especially effective for adsorbing chlorine, disinfection by-products, TCE, PCE, MTBE and other trace level organics. AquaCarb<sup>®</sup> 1240AWC carbon is acid washed yielding a very low ash content, pH neutral carbon that is ideally suited for use in potable water and high purity water systems for the microelectronics and other industries.

### Applications

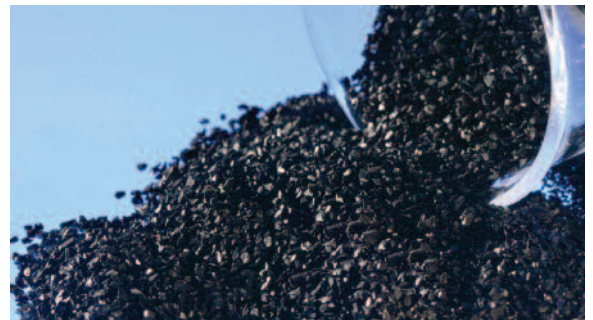
Cost effective AquaCarb<sup>®</sup> activated carbons developed by Siemens have been demonstrated to provide superior performance in an extensive array of liquid phase treatment applications. AquaCarb<sup>®</sup> activated carbons are available for:

- Removal of trace organic contaminants
- Pesticide removal
- MTBE removal
- Disinfection by-product (DBP) removal
- Drinking water treatment
- Industrial process water treatment
- High purity water applications
- Home water filtration systems

### Quality Control

AquaCarb<sup>®</sup> activated carbons are 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<sup>®</sup> carbons.

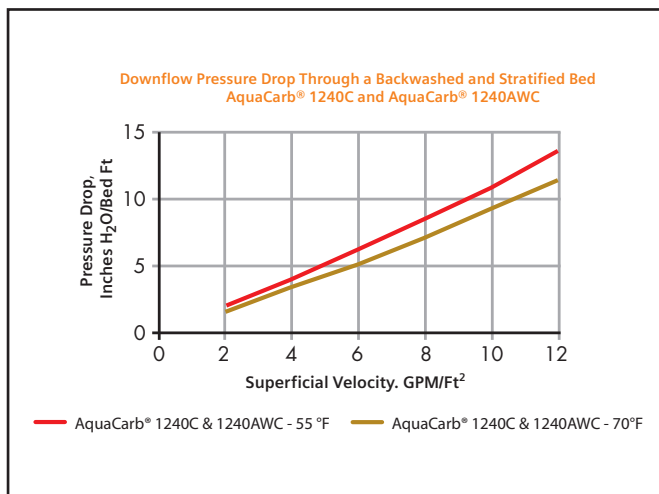
Our technical staff offers hands-on guidance in selecting the most appropriate system, operating conditions and carbon to meet your needs. For more information, contact your nearest Siemens representative.



### 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

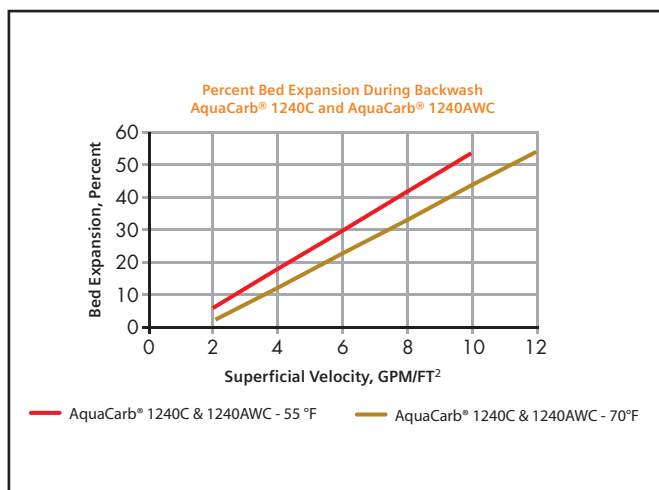
Typical Properties		
Parameter	AquaCarb® 1240C	AquaCarb® 1240AWC
Carbon Type	Coconut Shell	Coconut Shell
Mesh Size, U.S. Sieve	12 x 40	12 x 40
Effective Size, mm	0.55 - 0.75	0.55 - 0.75
Uniformity Coefficient	1.9	1.9
Iodine No., mg I <sub>2</sub> /g	1100	1100
Hardness No., Wt. %	95	95
Abrasion No., Wt. %	85	85
Apparent Density, g/cc	0.46 - 0.52	0.45 - 0.52
Water Soluble Ash, Wt. %	2	0.2
Contact pH	9 - 10	6.5 - 8



**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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