OLC Plus 12x30

Coconut Granular Activated Carbon

Applications


Remediation Water Treatment


Environmental Water


Industrial Wastewater


Pond/Aquarium/ Swim


Ground Water


Surface Water

OLC PLUS 12x30 coconut activated carbon can be used in a variety of water and process applications for the removal of dissolved organic compounds.

Description

OLC PLUS 12X30 is a high activity coconut carbon for the removal of dissolved organic contaminants from water and process liquids. These contaminants include taste and odor compounds, organic color, total organic carbon (TOC) and industrial chemicals such as chlorinated solvents (TCE, PCE). The pore structure enables it to be used for adsorption of both high and low molecular weight impurities from waters and liquids. OLC Plus 12 x 30 is certified to NSF/ANSI 61 standard and complies with the requirements for activated carbon as defined by ANSI/AAMI RD62 (2006) – water treatment equipment for hemodialysis applications.

Features / Benefits

- Coconut carbon
- Low ash
- High mechanical strength
- High hardness relative to other raw materials
- Hardness and abrasion resistance required for thermal reactivation and minimizing generation of fines in operations requiring backwashing
- Pore structure provides a wide range of contaminant removal capabilities

Specifications	OLC PLUS 12x30
Iodine Number, mg/g	1200 min
Ash, wt%	5 max
Moisture (As packaged), wt%	5 max
Density (Apparent), g/cc	0.45 min
Hardness Number	97 min
12 US Mesh [1.70 mm], wt%	5 max
< 30 US Mesh [0.600 mm] (PAN), wt%	5 max

Safety Message

Wet activated carbon can deplete oxygen from air in enclosed spaces. If use in an enclosed space is required, procedures for work in an oxygen deficient environment should be followed.

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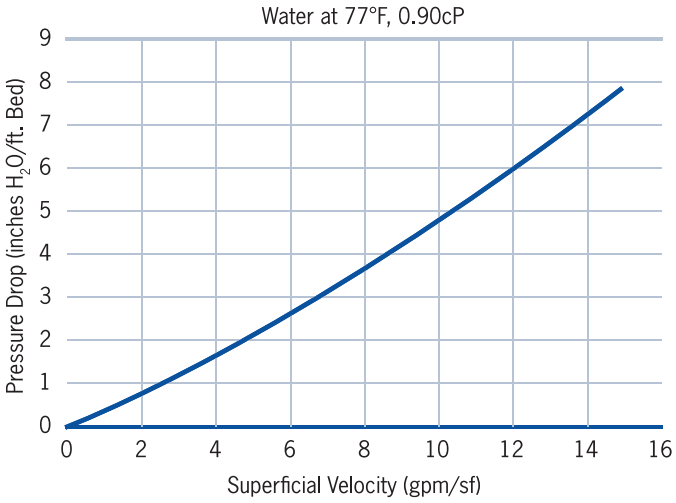
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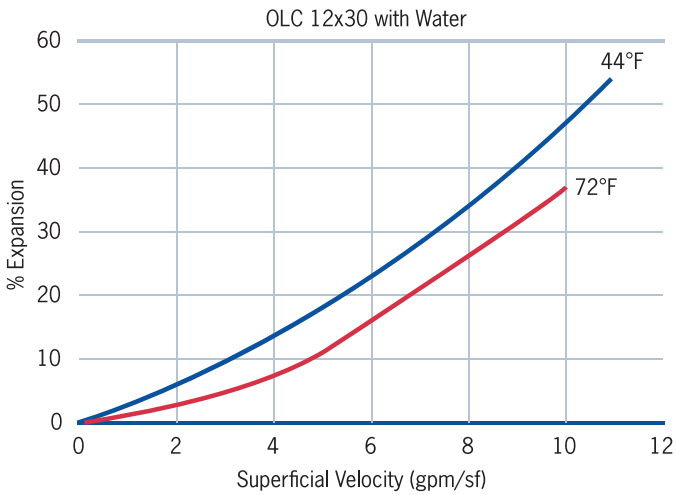
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Typical Pressure Drop (OLC 12x30)

Based on a backwashed and segregated bed



Typical Bed Expansion During Backwash



Design Considerations

OLC PLUS 12x30 coconut activated carbon is typically applied in down-flow packed-bed operations using pressure adsorption systems. Design considerations for a carbon system is based on the user's operating conditions, the treatment objectives desired, and the chemical nature of the compound(s) being adsorbed.

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