

# Filter Cartridges & Carbon Block

“ Offering high quality activated carbon solutions for POU and POE Applications ”

Filter cartridges and carbon blocks are pivotal components in potable water filtration, providing highly effective solutions for residential water treatment. Our carbon products for water filtration are known for their exceptional purity and quality, which gives our clients confidence in the performance of their filters. Haycarb employs a state-of-the-art manufacturing process to produce specialized activated carbon products, ensuring consistent performance in both point-of-use (POU) and point-of-entry (POE) filters. Our customized carbon products, featuring surface modifications and impregnations, effectively remove specific organic and inorganic contaminants. These include volatile organic compounds (VOCs), chloramines, mercury, per- and polyfluoroalkyl substances (PFAS) and traces of other heavy metals, all in compliance with international leaching standards of potable water. We meet the stringent requirements of NSF-61, NSF-42, and PROP-65 for specific products as appropriate, and offer specialized products compliant with the Food Chemical Codex.



## TECHNICAL INFORMATION

Parameter	Value	Test Method*
Iodine No (mg/g)	900-1300	ASTM D4607
Moisture Content % (w/w)	<5	ASTM D2867
pH**	6-8, 8-10, 9-11	ASTM D3838
Mean Particle Diameter (µm)	5-500	ASTM D2862 or Laser analysis

\* Capability to meet and assess parameters in accordance with test methods specified by the customer

\*\* Products can be customized for specific requirements

### Benefits

Lower impurities and reduced ash content compared to coal result in minimal leaching into treated water

Sourced from renewable materials

Effective removal of a wide range of contaminants

Capability to provide products with precise Mean Particle Diameter to match the design requirements of final filter cartridges

Optimal pore structure and surface modifications allow for efficient adsorption of both organic and inorganic contaminants, reducing competitive adsorption effects

High-quality, cost-effective solutions for consumer filtration applications

### Applications

Pre-filtration for reverse osmosis systems

Residential water filter units

Drinking water pitchers

Beverage industry

Water filtration in coffee machines & refrigerators



## AVAILABLE PRODUCT CATEGORIES

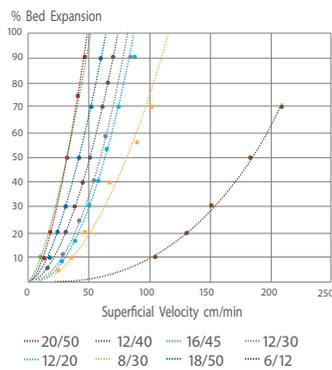
Product Category	Typical Particle Sizes (PSD)*	Certifications	Taste & Odor removal	VOC/Trace metal removal	Decolorization	Chloramine/ H2S/ Iron removal	Arsenic, Lead & Mercury removal	Bacteriostatic
General water filters**	8x30, 12x30, 12x40, 14x45	NSF-61	✓	✓	✓			
Carbon cartridge filters	8x30, 12x30, 12x40, 14x45, 20x50	NSF-61/ NSF-42/ Prop-65	✓	✓	✓			
Carbon block filters	30x100, 50x200, 80x200, 80x325, 100x325	NSF-61/ NSF-42/ Prop-65	✓	✓	✓			
Catalytic coconut shell	8x30, 12x30, 12x40, 14x45, 20x50, 50x200, 80x325, 100x325, M325,	NSF-61/ NSF-42/ Prop-65	✓	✓	✓	✓	✓	
Catalytic wood	20x50, 80x325, M325	NSF-61/ NSF-42/ Prop-65	✓	✓	✓	✓	✓	
Silver impregnated	8x30, 12x40, 14x45, 18x40, 20x50, 30x100, 50x200, 100x200, 80x325	NSF-61/ NSF-42/ Prop-65	✓	✓	✓			✓
Specialized impregnation**	8x30, 12x30, 12x40, 14x45, 18x40, 20x50, 30x60, 30x100,	NSF-61/ NSF-42/ Prop-65	✓	✓	✓	✓	✓	

\* Alternative Particle Size Distributions (PSD) are available upon request

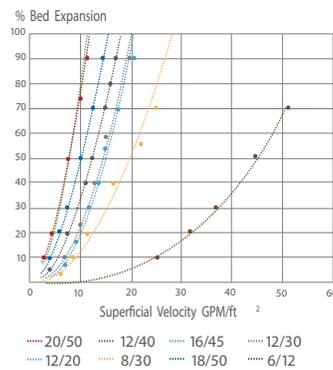
\*\* NSF 61/ NSF 42/ Prop 65 will be available for relevant products

### Bed Expansion on Backwash

Bed Expansion on Backwash

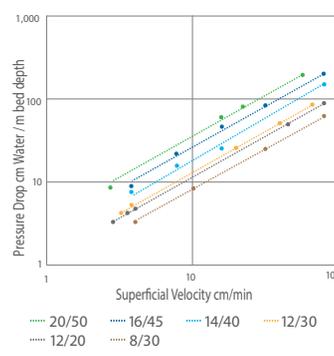


Bed Expansion on Backwash

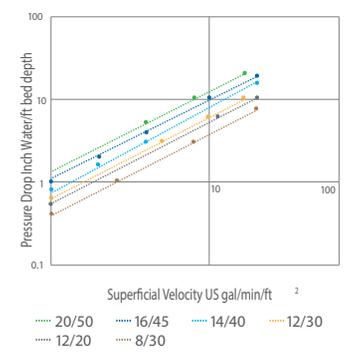


### Pressure Drop Curves

Resistance to water flow (Liquid Phase) @ 27 °C (downward flow through backwashed and settled bed)



Resistance to water flow @ 27 °C (downward flow through backwashed and settled bed)



**PACKAGING** Standard packaging is primarily designed to prevent the deterioration of accurately graded granules and to prevent the adsorption of moisture or atmospheric contaminants. Other packaging criteria can be accommodated upon request.

**BULK BAG**  
Net. 500 kg

**SACKS**  
Net. 25 kg

**PE VALVE BAG**  
Net. 12.5 kg



'ACTIVATE' HAYCARB'S ESG ROADMAP 2030

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