

Drinking Water Treatment



“ Ensuring that every sip of water is thoroughly purified, fresh and great-tasting ”

Our high-performance activated carbon range covers a wide array of applications in drinking water treatment, including point-of-entry (POE), point-of-use (POU) filters and municipal water treatment. Our products are carefully designed to reduce unwanted tastes, odors, and colors in water, offering high quality performance. These products also protect your drinking water by effectively removing specific contaminants like chloramine, VOCs (Volatile Organic Compounds), chloroform, disinfection byproducts (THMs), pesticides, and traces of heavy metals. Our bacteriostatic activated carbon, impregnated with silver, goes the extra mile to prevent the formation of microorganisms and biofilms within filters, ensuring a seamless water filtration experience. We meet the stringent requirements of NSF-61, NSF-42, and PROP-65 for specific products as appropriate.

TECHNICAL INFORMATION

Parameter	Value	Test Method
Iodine No* (mg/g)	900 - 1200	ASTM D4607
Apparent Density (g/cc)	0.5 Typical	ASTM D2854
Moisture Content (w/w)	< 5	ASTM D2867
Hardness No %	98	ASTM D3802
pH*	6-8, 8-10, 9-11	ASTM D3838
De-chlorination half value length** (cm)	1.7 - 2.5	DIN 19603
ASTM Particle Size*	8 x 30, 12 x 30, 14 x 45, 18 x 40, 20 x 50, 40 x 140, 50 x 200, 60 x 200, 80 x 325, M200, M325	ASTM D2862

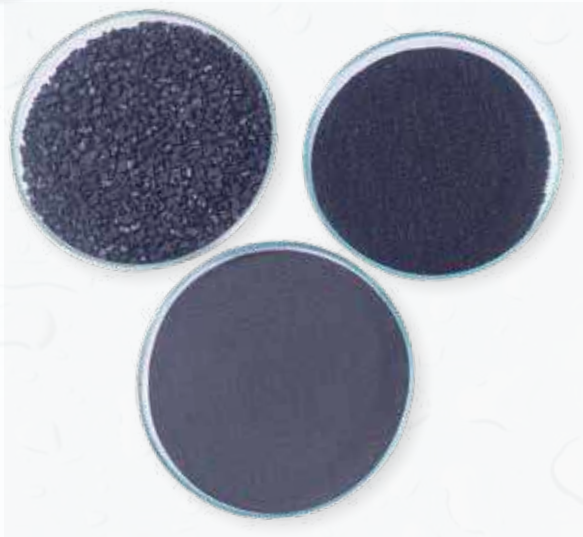
*Products can be customized for specific requirements

**For relevant grades

Note: See our specific brochures for details on POU/POE and catalytic carbon products

Characteristics	Benefits
Shorter de-chlorination half value	Optimized filter bed height necessitating reduced carbon usage, enhancing system handling convenience
Exceptional hardness and robust resistance to attrition	Ensuring consistent performance and extended operating lifetime while averting filter blockage from fine carbon particles
Enhanced flow characteristics through precision shape, size distribution, and low dust content	Experience lower pressure drops across the filter bed, maintaining operational efficiency
High purity	Prevention of chemical leaching into treated water
Pre-washed, pH-adjusted carbon	Adhering to the pH specifications of treated water, ensuring quality and safety





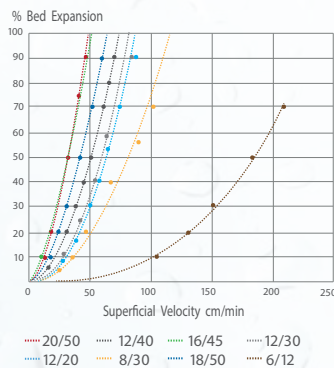
Haycarb's specialized de-chlorination carbon is designed to effectively eliminate the impact of disinfectant agents such as chlorine gas, sodium hypochlorite solution (NaOCl), or dry calcium hypochlorite (Ca(OCl)₂) in water. This precision guarantees the achievement of the desired taste and effective odor control, showcasing our commitment to water quality excellence.

DC I 1/2 Typical Values (+/- 0.1 cm) (DIN 19603 Method)

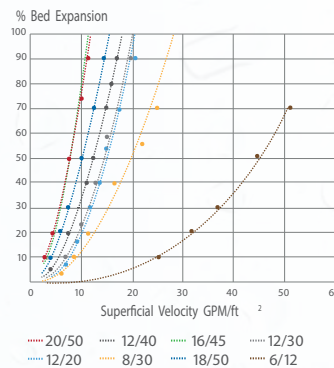
	1000 mg/g Iodine	1100 mg/g Iodine	1200 mg/g Iodine
20/50	1.8	1.7	1.5
14/45	2.0	1.8	1.6
14/40	2.1	1.8	1.6
12/40	2.2	1.9	1.7
12/30	2.3	1.9	1.8
8/30	2.8	2.5	2.3

Bed Expansion on Backwash

Bed Expansion on Backwash

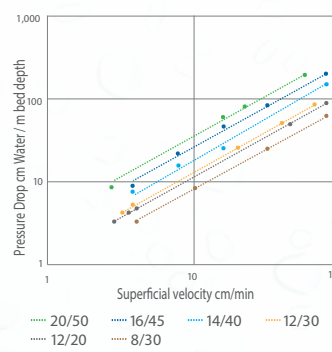


Bed Expansion on Backwash

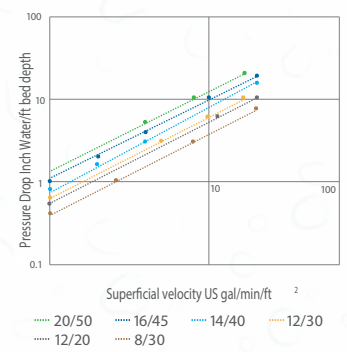


Pressure Drop Curves

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



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(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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