

CARBONEX™ CW SERIES

Activated Carbon Batt Cartridges for Cost Effective Removal of Organics, Chlorine and Particulate Contamination from Process Streams



Description

CARBONEX CW Series filter cartridges provide reliable removal of particulate and chemical contaminant from animal and vegetable oils, organic acids, alkalis and organic solvents. CW Series filter cartridges are very effective for the removal of chlorine and sediment from water. The depth filter media used in the outer zones of the cartridge provide efficient particulate removal. The inner zone of the cartridge is comprised of activated carbon batt for effective removal of tastes, odors, chlorine and organics. All materials are FDA listed for food and beverage contact.

CARBONEX CW filter cartridges are available in 9.75 and 10 inch lengths and in multiple configurations. All CW Series filters are nominally rated at 5 µm and have excellent flow and filter life properties.

Benefits

- All materials are FDA listed for food and beverage contact.
- Carbon impregnated cellulose media provides lower pressure drops than most carbon block filter technology.
- Carbon technology improves potable water quality by removing taste, odor and color.
- Polypropylene or cotton pre-filtration provides a wide range of options to address chemical compatibility concerns.
- 304 Stainless steel center core option for high temperature and high viscosity applications.

Applications

- Animal and Vegetable Oils
- Chemical filtration
- Metal Finish/Plating Solutions
- Photo developers
- Potable Water
- Rinse Water

Organics Amenable to Absorption by Activated Carbon Applications

Aromatic Solvents	Benzene, Toluene, Xylene
Polynuclear Aromatics	Naphthalene, Biphenyls
Chlorinated Aromatics	Chlorobenzene, PCB's, Aldrin, Endrin, Toxaphene, DDT
Phenolics	Phenol, Cresol, Resorcinol
High Molecular Weight and Aromatic Amines	Aniline, Toluene Diamine
High Molecular Weight Ketones, Esters, Ethers, and Alcohols	Dextran, Polyethylene Glycol
Surfactants	Alkyl Benzene Sulfonates
Soluble Organic Dyes	Methylene Blue, Textile Dyes
Fuels	Gasoline, Kerosene, Oil
Chlorinated Solvents	Carbon Tetrachloride, Perchloroethylene
Aliphatic and Aromatic Acids	Tar Acids, Benzoic Acid

Note: Many factors influence filter performance including chemical compatibility, temperature, flow rates and contact time. Testing is recommended to ensure optimal performance.

Performance Specifications

Micron Ratings	5 µm
Maximum Temperature Rating	CWP-P: 140° F (60° C) CWP-A: 170° F (77° C) CWC-P: 140° F (60° C) CWC-A: 200° F (93° C)
Flow Rate/Differential Pressure	2 psid @ 2 gpm (.14 bar @ 7.57 lpm)
Recommended Change Out Differential Pressure	40 psid (2.8 bar)

Materials of Construction/Dimensions

Outside Diameter	(nominal)	2 11/16" (6.4 cm)
Inside Diameter	(nominal)	1" (2.5 cm)
Lengths	(nominal)	9.75," 10" (24.8, 25.4 cm)

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Cartridge Ordering Information

Cartridge Series	Outer Zone Filter Media	Length	Center Core
CW	C	912	P
Carbonex CW	C = Cotton P = Polypropylene	912 = 9.75" 10 = 10"	A = 304 Satinless Steal P = Polypropylene



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