

aspire[®] Carbonex CW

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



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. This is an outer wind carbon cartridge which encapsulates layers of impregnated carbon cellulose media with a very low sulfur content. This provides three filters in one – a string inner wind, surrounded by carbon media and a final layering of string. The outer wind acts as a pre-filter, the carbon removes organic contaminants, tastes or odors; and the inner wind is a polishing 5 micron that collects any finer microns before passing through clear solutions to your filtration needs. All materials are FDA listed for food and beverage. All CW Series filters are nominally rated at 5µm 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

For more information,
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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, Perchlorethylene
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 F° (C°)	CW:-P 140 (60) CW -A: 170 (77) CWC-P: 140 (60) CWC-A: 200 (93)
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 in (cm)	nominal	2 11/16 (6.4)
Inside Diameter in (cm)	nominal	1 (2.5)
Lengths in (cm)	nominal	9.75 (24.8), 10 (25.4)

Cartridge Ordering Information

Style	Outer Zone Filter Media	Length	Center Core
CW	C	912	P
Carbonex CW	C = Cotton	912 = 9.7"	A = 304 Stainless Steel
	Blank = Polypropylene	10 = 10"	P = Polypropylene