

CARBONEX™ CEP

Dual Media Filter with Advanced Extruded Carbon Technology for Electroplating Applications



Description

CARBONEX CEP Series filter cartridges provide reliable removal of chlorine, chemical contamination and sediment from plating bath solutions. The depth filter media used in the outer zones of the cartridge provides efficient particulate removal. The inner zone of the cartridge is a patented extruded carbon block technology that offers significantly greater carbon removal than conventional granular carbon technology. The CEP Series cartridge is certified sulfur free. The PF grade will not foam or leach additives into a system.

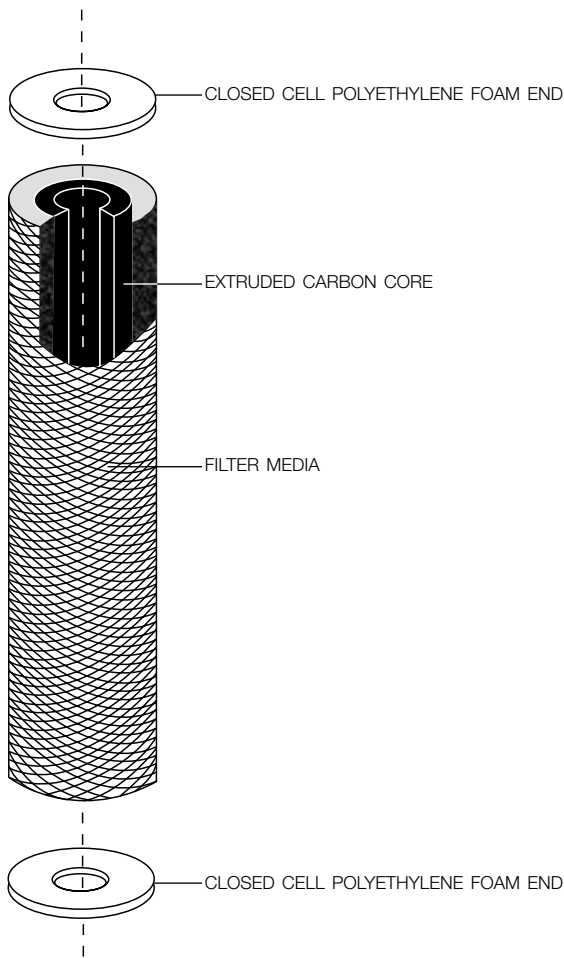
CARBONEX CEP cartridges are available in lengths up to 40 inches in multiple configurations. Retrofitting granular activated carbon cartridges with CARBONEX CEP cartridges can result in better filtration performance and significantly fewer cartridge change outs.

Benefits

- Significantly greater VOC removal than conventional granular activated carbon cartridges of similar physical dimensions.
- Greater capacity and efficiency in chlorine removal than granular activated carbon cartridges of similar physical dimensions.
- No channeling, bypassing, fluidizing, or unloading of carbon fines.
- Extruded carbon technology does not release carbon fines during system start-up unlike conventional granular carbon technology.
- Highly porous and extremely uniform extruded carbon block technology delivers consistent filtration over time.
- Standard lengths up to 40" allows for high capacity systems using conventional filter housings.
- Single Open End cartridge configurations are available to ensure positive housing seal.
- Configurations available to fit Big Blue® housings.
- Contains no cellulose or other products that could contribute to plating porosity or bitterness.
- Effective in either continuous or batch processing systems.

Applications

- Metal Finishing Processes
- Chemical Filtration
- Process Water
- Aromatic and Solvents
- Plating Bath Solutions
- Parts and Component Rinse Stations



Performance Specifications

Micron Ratings	1, 5, 10 μm
Maximum Temperature Rating	150° F (66° C)
Maximum Operating Pressure	250 psig (17 bar)
Flow Rate/Differential Pressure	2.0 psid @ 1 gpm
Recommended Change Out Differential Pressure	40 psid

Materials of Construction/Dimensions

Media	(outer zone)	Polypropylene or Fibrillated Polypropylene
	(inner zone)	Extruded carbon block
Gaskets/O-Rings		Buna-N, Silicone, Viton®, Polyethylene (gaskets only)
Outside Diameter	(nominal)	2.5" (6.4 cm)
	(optional)	4.5" (11.5 cm) 10" and 20" lengths only
Inside Diameter	(nominal)	1" (2.5 cm)
Lengths	(nominal)	4, 5, 9.75, 10, 13, 19.5, 20, 29.5, 30, 39, 40" (10.2, 12.7, 24.8, 25.4, 49.5 50.8, 74.9, 76.2, 99, 102 cm)

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 Big Blue is a registered trademark of Pentair, Inc.

Cartridge Ordering Information

Series	Micron Rating	Media	Length (inches)	
CEP	5	P	10	BB
CEP = Carbonex for Electroplating	1, 5, 10 μm	P = Polypropylene PF = Fibrillated Polypropylene	4 5 6 9.75 10 19.5 20 29.25 30 39 40	No Symbol DOE with Polyethylene Gaskets BB-4.5" Outside Diameter (10" and 20" lengths, DOE only) 222B-222 SOE with 222 Buna-N O-ring 222V-222 SOE with 222 Viton O-ring 226B-226 SOE with 226 Buna-N O-ring 226V-226 SOE with 226 Viton O-ring 222S-222 SOE with 222 Silicone O-ring 226S-226 SOE with 226 Silicone O-ring K Self Sealing Spring

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