



# Fulflo® MC and RC Carbon Filter Cartridges

## ■ Activated Carbon Media

### Sorbent Cartridge Series

## Activated Carbon Cartridge Eliminates Taste, Odor and Sediment in Potable Water.

Parker's FDA grade MC and RC activated carbon cartridge series provides effective control of taste and odor causing contaminants in water such as chlorine and dissolved organics. At the same time suspended solids are controlled to a nominal 5 micrometer level.

The MC Series features a unique 3-stage "treatment" matrix with a granular carbon chamber between two layers of 5 micron rated wound polypropylene medium. The RC Series is similarly constructed but with a larger outside diameter and in a variety of lengths to fit standard double open end Fulflo "B" series vessels.

The MMCT-10 is unique within this series as a single-open-end carbon bottle design in which flow is channeled through the entire length of the cartridge. With this design contact time is maximized for optimum adsorptive contaminant removal.

### Applications

- Drinking Water
- Waste Water Treatment
- Plating Solutions
- Color Contaminated Fluids



### Features and Benefits

- All components of the carbon cartridge series meet FDA guidelines for potable and edible liquid contact according to CFR Title 21.
- Six different cartridge sizes to accommodate most Fulflo and similar style competitive vessels.
- Unique design with prefiltration and post filtration stage to optimize activated carbon layer.
- Liquid phase high surface area activated carbon maximizes chlorine removal.
- Unique 3-stage water treatment capability from one filter cartridge.

### Process Filtration Division



## Specifications

### Materials of Construction

- Adsorbent: Granulated 12 x 40 Mesh Activated Carbon
- Filter Medium: FDA Grade Wound Polypropylene
- Support Construction: Polypropylene
- End Caps (RC/MC): PVC
- End Cap Adhesive (RC/MC): PVC
- Gasket: EPDM

### Particle Removal Rating

- 5 Micrometer Nominal

### Maximum Recommended Operating Conditions

- Flow Rate: 1.0 gpm (3.8 lpm) per 10 in length for optimum adsorbent contact time.
- Temperature: 140°F (76°C) @ 30 psid (2.1 bar)
- Pressure: 60 psid (4.1 bar) @ 75°F (24°C)
- Changeout Pressure Drop: 30 psid (2.1 bar) or when objectionable taste and odor are detected in effluent water.

### Packaging:

- All cartridges packaged 20 units per master carton.
- RC Series cartridges are packaged in individual boxes and include Buna N vessel shell gasket (P/N 2620-5046)
- MC Series cartridges are individually poly shrink wrapped with label but without individual carton.

### ■ Master carton weight (lbs.)

RC4:	11
RC10:	25
MC10-2:	17
MC20-2:	34
MC30-2:	26
MMCT-10:	19

### ■ Dimensions/Filter Vessel

Cartridge Part Number	Carbon Content (weight in grams)	Nominal Dimensions	Recommended Filter Vessel
RC4	95	3-13/16 in long x 3-1/4 in OD x 1-1/16 in ID	BR4-3/8 SD
RC10	275	9-13/16 in long x 3-1/4 in OD x 1-1/16 in ID	BRSB10 - 3/4 SD
MC10-2	115	9-13/16 in long x 2-3/4 in OD x 1-1/16 in ID	LT10 and all other Fulflo vessels except FE Series
MC20-2	250	19-15/16 in long x 2-3/4 in OD x 1-1/16 in ID	LT20 and all other Fulflo vessels except FE Series
MC30-2	395	30-1/16 in long x 2-3/4 in OD x 1-1/16 in ID	All Fulflo vessels except FE Series
MMCT-10	185	9-13/16 in long x 2-3/4 in OD x 1-1/16 in ID	LT10 only

- Notes:** (1) MMCT-10 is single open end style and fits only LT10 and similar competitive vessels.  
 (2) All other cartridges are double open end style. MC cartridges are stackable in multi-length vessels by using stainless steel spacers (P/N 5710-5022).

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