

MCRC Carbon Filter Cartridges

■ Activated Carbon Media

Carb-Sorb Cartridge Series

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

Clark-Reliance's FDA grade MCRC 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 MCRC 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 Carb-Sorb series vessels.

The MCRC 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 absorptive 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 Carb-Sorb 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.



WARNING! FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.
This document and other information from Clark-Reliance Corporation, its subsidiaries and authorized distributors provide product and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application and review the information concerning the product or system in the current product catalog. Due to the variety of operating conditions and applications for these products or systems, the user, through its own analysis and testing, is solely responsible for making the final selection for the products and systems and assuring that all performance, safety and warning requirements of the application are met.

Carb-Sorb Cartridge Series

Specifications

Materials of Construction:

- Absorbent: 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 absorbent 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
- MC Series cartridges are individually poly shrink wrapped with label but without individual carton.
- Master carton weight (lbs.):
 - MCRC4: 11
 - MCRC10: 25
 - MCRC10-2: 17
 - MCRC20-2: 34
 - MCRC30-2: 26
 - MCRCCCT-10: 19

■ Dimensions/Filter Vessel

Cartridge Part Number	Carbon Content (weight in grams)	Nominal Dimensions
MCRC4	95	3-13/16 in long x 3-1/4 in OD x 1-1/16 in ID
MCRC10	275	9-13/16 in long x 3-1/4 in OD x 1-1/16 in ID
MCRC10-2	115	9-13/16 in long x 2-3/4 in OD x 1-1/16 in ID
MCRC20-2	250	19-15/16 in long x 2-3/4 in OD x 1-1/16 in ID
MCRC30-2	395	30-1/16 in long x 2-3/4 in OD x 1-1/16 in ID
MCRCCCT-10	185	9-13/16 in long x 2-3/4 in OD x 1-1/16 in ID

- Notes:** (1) MCRCCCT-10 is single open end style and fits RC 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.