

## CHLORAMINE REDUCTION CARBON CARTRIDGES

- Superior chloramine and chlorine reduction
- CRFC20-BB Radial Flow
- ChlorPlus® Series Carbon Briquette

PENTEK® offers multiple product solutions for chloramine reduction. Chloramine is increasingly becoming more common as an alternative to chlorine for water treatment.

The ChlorPlus® carbon block cartridges help reduce sediment while providing greater chloramine performance capacities than granular carbon. They also significantly reduce the carbon fines found in many granular canisters.

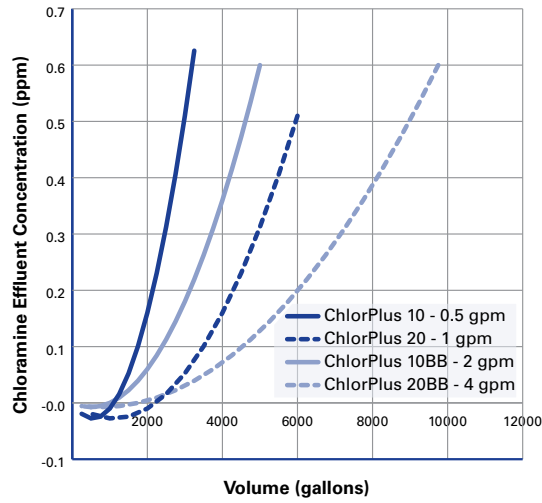
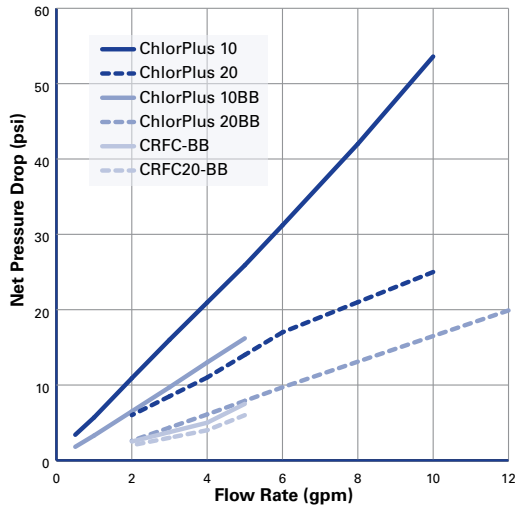
The CRFC20-BB heavy duty radial flow cartridge measures 4½ inches in diameter and 20 inches long, which is ideal for higher flow rate

and capacity applications. This cartridge incorporates a 70-micron porous polypropylene outer shell and a spun polypropylene-wrapped core. The bed of granular activated carbon (GAC) between the outer shell and core creates a unique radial flow design which effectively removes chloramine, has a low pressure drop, and helps to reduce fines commonly seen in GAC-style cartridges.

All of these cartridges utilize advanced activated carbon technology which allows superior chloramine and chlorine reduction.

The range of sizes and capacities offered by PENTEK chloramine reduction cartridges makes them ideal for both point-of-entry (POE) and point-of-use (POU) applications.

# CHLORAMINE REDUCTION CARBON CARTRIDGES



## Cartridge Specifications and Performance Data

| Model          | Maximum Dimensions                     | Micron Rating* (nominal) | Initial ΔP (psi) @ Flow Rate (gpm)   | Chlorine Taste & Odor**† Reduction @ Flow Rate       | Chloramine Reduction**† @ Flow Rate (gpm)   |
|----------------|--|--------------------------|--|--|---|
| ChlorPlus 10   | 2 7/8" x 9 3/4"<br>(73 mm x 248 mm)    | 1                        | 6 psi @ 1.0 gpm<br>(0.41 bar @ 3.8 Lpm)  | >50,000 gallons @ 1 gpm<br>(>189,270L @ 3.8 Lpm)     | 2,500 gallons @ 0.5 gpm (9,463L @ 1.9 L/min)<br>1,000 gallons @ 1.0 gpm (3,785L @ 3.8 L/min)      |
| ChlorPlus 20   | 2 7/8" x 20"<br>(73 mm x 508 mm)       | 1                        | 6 psi @ 2 gpm<br>(0.41 bar @ 7.6 Lpm)  | >100,000 gallons @ 2 gpm<br>(>378,451L @ 7.6 Lpm)    | 5,000 gallons @ 1.0 gpm (18,927L @ 3.8 L/min)<br>2,000 gallons @ 2.0 gpm (7,570L @ 7.6 L/min)     |
| ChlorPlus 10BB | 4 1/2" x 9 3/4"<br>(114.3 mm x 248 mm) | 1                        | 6 psi @ 2.0 gpm<br>(0.41 bar @ 7.6 Lpm)  | >250,000 gallons @ 2 gpm<br>(>946,352L @ 7.6 Lpm)    | 3,500 gallons @ 2.0 gpm (13,249L @ 7.6 L/min)   |
| ChlorPlus 20BB | 4 1/2" x 20"<br>(114.3 mm x 508 mm)    | 1                        | 6 psi @ 4.0 gpm<br>(0.41 bar @ 15.2 Lpm)   | >500,000 gallons @ 4 gpm<br>(>1,892,706L @ 15.2 Lpm) | 7,000 gallons @ 4.0 gpm (26,498L @ 15.2 L/min)  |
| CRFC-BB        | 4 1/2" x 9 3/4"<br>(114 mm x 248 mm)   | 20                       | 2.5 psi @ 2.5 gpm<br>(0.17 bar @ 9.5 Lpm)<br><1 psi @ 1.5 gpm<br>(<0.07 bar @ 5.7 Lpm) | >100,000 gallons @ 2 gpm<br>(>378,451L @ 7.6 Lpm)    | 12,000 gallons @ 1.5 gpm (45,424L @ 5.7 L/min)<br>5,000 gallons @ 2.5 gpm (18,927L @ 9.5 L/min)   |
| CRFC20-BB      | 4 1/2" x 20"<br>(114 mm x 508 mm)      | 20                       | 2.5 psi @ 5 gpm<br>(.17 bar @ 18.9 Lpm)<br><1 psi @ 2.5 gpm<br>(<.07 bar @ 9.5 Lpm)    | >200,000 gallons @ 4 gpm<br>(>757,082L @ 15.2 Lpm)   | 25,000 gallons @ 2.5 gpm (94,635L @ 9.5 L/min)<br>10,000 gallons @ 5.0 gpm (37,854L @ 18.9 L/min) |

\* Based on manufacturer's internal testing

## Materials of Construction

| Part               | ChlorPlus®            | CRFC-BB/CRFC20-BB                  |
|--------------------|-----------------------|------------------------------------|
| Filter Media       | Advanced Bonded PAC   | Advanced Granular Activated Carbon |
| Endcaps            | Polypropylene         | Polypropylene                      |
| Inner Wrap/Core    | Polyolefin            | Spun Polypropylene                 |
| Outer Wrap/Shell   | Polyolefin            | Polyethylene                       |
| Expansion Pad      | N/A                   | N/A                                |
| Post Filter        | N/A                   | Spun Polypropylene                 |
| Netting            | Polyethylene          | N/A                                |
| Gasket             | Santoprene            | Santoprene                         |
| Temperature Rating | 40–125°F (4.4–51.7°C) | 40–125°F (4.4–51.7°C)              |

**WARNING:** For drinking water applications, do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

**NOTE:** Some harmless bacteria will attack cellulose media cartridges. If your cartridge seems to disintegrate, or has a musty or moldy odor, switch to a synthetic media cartridge or consult the manufacturer.

†NOTE: Estimated capacity tested at given flow rate using 2 ppm free available chlorine to 0.5 ppm breakthrough and 3 ppm chloramine to 0.5 ppm breakthrough.

**NOTE:** Increased flow rates may result in less effective chlorine reduction.



502 Indiana Avenue • P.O. Box 1047 • Sheboygan, Wisconsin 53082-1047  
 Customer Service: 800.645.0267 • Fax: 888.203.7361 • supportspecialist@pentekfiltration.com  
 International: 920.457.9435 • Fax: 920.457.2417 • international@pentekfiltration.com  
 www.pentekfiltration.com