



CRFC-20BB CGAC-10 ChlorPlus 20

CHLORAMINE REDUCTION CARBON CARTRIDGES

- Cartridges utilize advanced activated carbon technology which results in excellent chloramine as well as superior chlorine reduction.
- CRFC20BB Radial Flow
- CGAC-10 Granular Activated Carbon
- ChlorPlus Series Carbon Briquette

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

The CGAC-10 cartridge utilizes traditional granular activated carbon and is used for basic applications where chloramine must be removed. The construction of this cartridge allows water to pass evenly over a large bed of carbon while minimizing channeling or bypass.

The ChlorPlus™ carbon block cartridges will help reduce sediment while providing greater chloramine performance capacities than

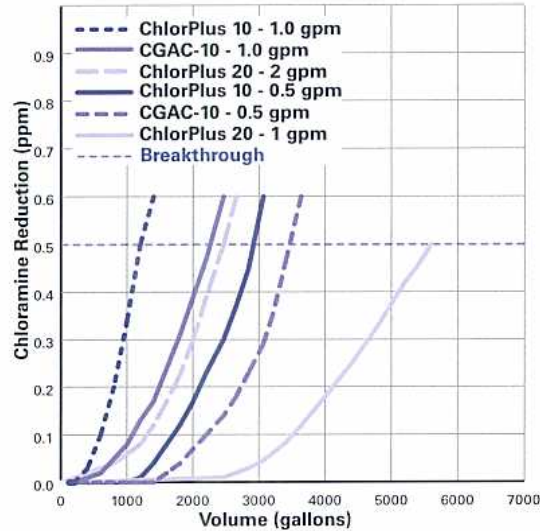
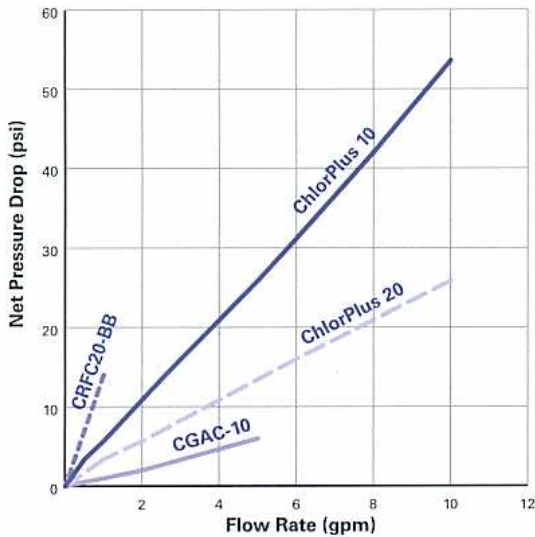
granular carbon. They will also significantly reduce the carbon fines found in many granular canisters.

The CRFC20-BB heavy duty radial flow cartridge measures 4½" in diameter and 20" 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 three products utilize advanced activated carbon technology which allows excellent chloramine reduction as well as superior chlorine reduction. The variety of sizes and capacities offered by PENTEK chloramine reduction cartridges make them ideal solutions 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)
ChlorPlus10	2 7/8" x 9 3/4" (73 mm x 248 mm)	1	6 psi @ 1.0 gpm (0.41 bar @ 3.8 Lpm)	>100,000 gallons @ 1 gpm (>378,500L @ 3.8 Lpm)†	2,500 gallons @ 0.5 gpm (9,500L @ 1.9 L/min) 1,000 gallons @ 1.0 gpm (3,800L @ 3.8 L/min)
ChlorPlus20	2 7/8" x 20" (73 mm x 508 mm)	1	6 psi @ 2 gpm (0.41 bar @ 7.6 Lpm)	>100,000 gallons @ 2.0 gpm (>757,000L @ 3.8 Lpm)†	5,000 gallons @ 1.0 gpm (18,900L @ 3.8 L/min) 2,000 gallons @ 2.0 gpm (7,500L @ 7.6 L/min)
CGAC-10	2 7/8" x 9 3/4" (73 mm x 248 mm)	20	20 psi @ 1 gpm (1.38 bar @ 3.8 Lpm)	>30,000 gallons @ 1 gpm (>113,500L @ 3.8 Lpm)†	3,500 gallons @ 0.5 gpm (13,250L @ 1.9 L/min) 1,750 gallons @ 1.0 gpm (6,624L @ 3.8 L/min)
CRFC-BB	4 1/2" x 9 3/4" (114 mm x 248 mm)	20	2.5 psi @ 2.5 gpm (.17 bar @ 9.5 Lpm) <1 psi @ 1.5 gpm (<.07 bar @ 5.7 Lpm)	>10,000 gallons @ 2 gpm (>37,900L @ 7.6 Lpm)†	5,000 gallons @ 2.5 gpm (18,900L @ 9.5 L/min) 12,000 gallons @ 1.5 gpm (45,500L @ 5.7 L/min)
CRFC20-BB	4 1/2" x 20" (114 mm x 508 mm)	20	2.5 psi @ 5 gpm (.17 bar @ 18.9 Lpm) <1 psi @ 2.5 gpm (<.07 bar @ 9.5 Lpm)	>200,000 gallons @ 4 gpm (>757,000L @ 15 Lpm)†	25,000 gallons @ 2.5 gpm (94,600L @ 9.5 L/min) 10,000 gallons @ 5.0 gpm (378,000L @ 18.9 L/min)

* Based on manufacturer's internal testing

Materials of Construction

Part	ChlorPlus	CGAC-10	CRFC-BB/CRFC20-BB
Filter Media	Advanced Bonded PAC	Advanced Granular Activated Carbon	Advanced Granular Activated Carbon
End Caps	Polypropylene	Polystyrene	Polypropylene
Inner Wrap/Core	Polyolefin	N/A	Spun Polypropylene
Outer Wrap/Shellz	Polyolefin	Polystyrene	Polyethylene
Expansion Pad	N/A	Polypropylene	N/A
Post Filter	N/A	Spun Polypropylene	Spun Polypropylene
Netting	Polyethylene	N/A	N/A
Gasket	Buna-N	Buna-N (top) Santoprene (bottom)	Buna-N
Temperature Rating	40–125°F (4.4–51.7°C)	40–180°F (4.4–82.2°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.

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



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