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.

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.

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.

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### Cartridge Specifications and Performance Data

<table>
<thead>
<tr>
<th>Model</th>
<th>Maximum Dimensions</th>
<th>Micron Rating* (nominal)</th>
<th>Initial ΔP (psi) @ Flow Rate (gpm)</th>
<th>Chlorine Taste &amp; Odor Reduction @ Flow Rate</th>
<th>Chloramine Reduction @ Flow Rate (gpm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ChlorPlus10</td>
<td>2½” x 9¾” (73 mm x 248 mm)</td>
<td>1</td>
<td>6 psi @ 1.0 gpm (&lt;0.41 bar @ 3.8 Lpm)</td>
<td>&gt;100,000 gallons @ 1 gpm (&gt;378500L @ 3.8 Lpm)</td>
<td>2,500 gallons @ 0.5 gpm (9,500L @ 1.9 L/min)</td>
</tr>
<tr>
<td>ChlorPlus20</td>
<td>2½” x 20” (73 mm x 508 mm)</td>
<td>1</td>
<td>6 psi @ 2 gpm (&lt;0.41 bar @ 7.6 Lpm)</td>
<td>&gt;100,000 gallons @ 2.0 gpm (18,900L @ 3.8 L/min)</td>
<td>5,000 gallons @ 1.0 gpm (18,900L @ 3.8 L/min)</td>
</tr>
<tr>
<td>CGAC-10</td>
<td>2½” x 9¾” (73 mm x 248 mm)</td>
<td>20</td>
<td>20 psi @ 1 gpm (&lt;1.38 bar @ 3.8 Lpm)</td>
<td>30,000 gallons @ 1 gpm (113,500L @ 3.8 Lpm)</td>
<td>3,500 gallons @ 0.5 gpm (13,250L @ 1.9 L/min)</td>
</tr>
<tr>
<td>CRFC20-BB</td>
<td>4½” x 20” (114 mm x 508 mm)</td>
<td>20</td>
<td>2.5 psi @ 5 gpm (&lt;1.7 bar @ 18.9 Lpm)</td>
<td>&gt;20,000 gallons @ 4.0 gpm (757,000L @ 15.1 Lpm)</td>
<td>25,000 gallons @ 2.5 gpm (94,600L @ 9.5 L/min)</td>
</tr>
</tbody>
</table>

* Based on manufacturer’s internal testing

### Materials of Construction

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

WARNING: For drinking water applications, do not

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.