CARBFLEX™ SERIES CAF-250
CFBC Modified Molded Block Carbon FILTER CARTRIDGES

Carbflex™ CAF-250 Filter Cartridges offer the effective chlorine taste & odor reduction found in traditional carbon block media while providing superior sediment reduction with resistance to premature plugging.

APPLICATIONS
- Commercial
- Food Service
- Industrial
- Residential Water

CARTRIDGE OPERATION
Carbflex™ CAF-250 Cartridges are modified molded blocks manufactured using proprietary Fibredyne™ technology. This technology creates a unique filter media by attaching powdered activated carbon onto a cellulose-free synthetic fiber matrix. Benefits of this technology include low pressure drop over the entire life of the cartridge and up to three times the chlorine taste & odor and dirt-holding capacity of traditional 0.5 micron carbon blocks.

FEATURES
- Nominal 0.5 micron rating
- 99.95% reduction of Cryptosporidium and Giardia cysts
- Premium dirt-holding capacity
- High chlorine taste & odor and bad taste & odor reduction
- Some organic chemical reduction
- Combines benefits of both a sediment filter and a carbon block into a single cartridge
- Made with Fibredyne™ technology
- Manufactured entirely from FDA-compliant materials
- Post-filtration layer fused to the carbon/fiber media blend ensures cartridge will not release fines into the effluent stream

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Component</th>
<th>Material/Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filtration Media</td>
<td>Bonded PAC</td>
</tr>
<tr>
<td>Endcaps</td>
<td>Polypropylene</td>
</tr>
<tr>
<td>Netting</td>
<td>Spun Polyethylene</td>
</tr>
<tr>
<td>Gasket</td>
<td>Santoprene®</td>
</tr>
<tr>
<td>Temperature Rating</td>
<td>40°F (4.4°C)–180°F (82.2°C)</td>
</tr>
</tbody>
</table>

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

NOTE: Performance capacity depends on system design, flow rate and certain other application conditions. Certain states require system registration and certification for health-related contaminant reduction using the water.

NOTE: Cartridges will contain a very small amount of carbon fines (very fine black powder). After installation, a new cartridge should be flushed with sufficient water to remove all traces of fines prior to using the water.

NOTE: Micron ratings based on 85% or greater removal of given particle size. Estimated capacity using 2ppm free available chlorine at 0.5 ppm breakthrough.

† NOTE: Giardia, Cryptosporidium, Entamoeba and Toxoplasma cyst claim based on tests showing greater than 99.95% reduction using NSF Standard 53 protocol.

Tested and Certified by NSF International to NSF/ANSI Standard 42 for material requirements only.
### CARTRIDGE SPECIFICATIONS AND PERFORMANCE*

<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>
</tr>
</thead>
<tbody>
<tr>
<td>CFBC-10</td>
<td>2.875&quot; x 9.75&quot; (73 mm x 248 mm)</td>
<td>0.5</td>
<td>10.7 PSI @ 1.0 gpm (0.7 bar @ 3.8 Lpm)</td>
<td>&gt;20,000 gallons @ 1 gpm (&gt;75,700 L @ 3.8 Lpm)</td>
</tr>
<tr>
<td>CFBC-20</td>
<td>2.875&quot; x 20&quot; (73 mm x 508 mm)</td>
<td>0.5</td>
<td>10.7 PSI @ 1.0 gpm (0.7 bar @ 7.6 Lpm)</td>
<td>&gt;40,000 gallons @ 2 gpm (&gt;151,400 L @ 7.6 Lpm)</td>
</tr>
</tbody>
</table>

*Based on manufacturer’s internal testing.

### TEST DATA

**Carbflex™ Series CAF-250 Cartridge Water Flow Rate**

![Flow Rate Graph](image)

**Flow Rate – gpm (Lpm)**

- 0.0 (0.0)
- 1.0 (3.8)
- 2.0 (7.6)
- 3.0 (11.4)
- 4.0 (15.1)
- 5.0 (18.9)
- 6.0 (22.7)

**Approximate Net Pressure Drop – psi (Bar)**

- 0 (0.0)
- 10 (0.7)
- 20 (1.4)
- 30 (2.1)
- 40 (2.8)
- 50 (3.5)
- 60 (4.2)
- 70 (4.9)
- 80 (5.6)

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