Pentair Pentek® MicroGuard Series membrane filters provide safer and cleaner drinking water without incorporating chemicals into the media or adding chemicals to the filtered water.

The MG-10MCB is uniquely designed with integral carbon block and sediment pre-filtration for the reduction of chlorine taste & odor and for providing extended life of the internal membrane element. This cartridge has 2.5 times greater filtration surface area than some anti-microbial carbon blocks, and operates at a higher flow rate with lower pressure drop. This makes the MG-10MCB ideal for Point-of-Use (POU) applications.

**FEATURES/BENEFITS**

- Reduces particles as small as 0.15 micron in size by mechanical means
- Membrane filtration provides 99.9999% reduction of bacteria and 99.9999% reduction of virus by mechanical means*
- Combined carbon block and sediment pre-filtration for extended life and chlorine taste & odor reduction
- Utilizes highly asymmetric polyethersulfone membrane with proprietary hydrophilic formulation for immediate wetting and high flow
- Double O-ring endcap seals for absolute sealing in Pentair Pentek 3G housings
- No electrical power required
- Retains natural mineral content of water

**SPECIFICATIONS**

- Filter Media – Polyethersulfone
- Endcaps – Top: Polystyrene
  Bottom: Polypropylene
- Membrane Assembly – Polystyrene, epoxy resin
- Carbon Pre-filter - Activated carbon, synthetic polymeric fibers & binders
- Netting – Polyethylene
- O-ring Seals – EPDM
- Temperature Rating – 40-140°F (4.4-60°C)

*Based on manufacturer’s internal testing.

EPA EST. NO. 086074-NH-001
### Recommended Operating Conditions

<table>
<thead>
<tr>
<th>MODEL #</th>
<th>PART #</th>
<th>PRESSURE DIFFERENTIAL</th>
<th>STORAGE TEMPERATURE RANGE</th>
<th>pH RANGE</th>
<th>OPERATING PRESSURE RANGE</th>
<th>WATER TURBIDITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>MG-10MCB</td>
<td>255420-43</td>
<td>88 psi (6.1 bar) max</td>
<td>35-104°F (2.0-40°C)</td>
<td>2-12</td>
<td>5-88 psi (0.35-6.1 bar) max</td>
<td>&lt;1 NTU</td>
</tr>
</tbody>
</table>

### Specifications and Performance

<table>
<thead>
<tr>
<th>MODEL #</th>
<th>PART #</th>
<th>MAXIMUM DIMENSIONS</th>
<th>RATING (ABSOLUTE)*</th>
<th>INITIAL ΔP (PSI) @ FLOW RATE (GPM)*</th>
<th>ESTIMATED CAPACITIES**</th>
</tr>
</thead>
<tbody>
<tr>
<td>MG-10MCB</td>
<td>255420-43</td>
<td>2.88&quot; x 10.28&quot; (73 mm x 261 mm)</td>
<td>0.15</td>
<td>11 psi @ 1 gpm (0.76 bar @ 3.8 Lpm)</td>
<td>200-600 gallons (757-2,271 L)</td>
</tr>
</tbody>
</table>

*Based on manufacturer’s internal testing.
**Capacities may vary depending on local water quality, type of pre-filtration and acceptable minimum flow rate.

Not certified for sale in California, Iowa, or Wisconsin

NOTE: Cartridge not intended for converting wastewater or raw sewage into drinking water

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