

Technical Specifications		
	Ultracarb®	Biotect Ultra®
	<b>Sterasyt®</b> microfilter plus carbon block core and lead removal media	<b>Sterasyt®</b> microfilter plus carbon block core with heavy metal removal media
<b>Free Chlorine Removal</b> <ul style="list-style-type: none"> <li>• 2ppm presence to NSF Class 1 Std 42</li> </ul>	95.5%	95.5%
<b>Filtration Rating</b> (% particulate filtration efficiency)  <ul style="list-style-type: none"> <li>• Absolute (defined as &gt; 99.99%)</li> <li>• Nominal (defined as &gt;99.99%)</li> </ul> Microplastics to NSF/ANSI Std 401  <ul style="list-style-type: none"> <li>• Turbidity reduction</li> </ul>	0.9 micron 0.5 to 0.8 micron  >99.9%  >99%	0.9 micron 0.5 to 0.8 micron  >99.9%  >99%
<b>Working Pressure</b> (for pressure filter use)  <ul style="list-style-type: none"> <li>• Minimum</li> <li>• Maximum</li> </ul> × 30 psi in DUO & TRIO systems	10 psi 125 psi	10 psi 125 psi
<b>Working Parameters</b>  <ul style="list-style-type: none"> <li>• Working temperature range</li> <li>• Working pH range</li> <li>• Suitable for use in Gravity filter systems</li> <li>• Recommended change frequency</li> </ul>	5 – 30 (°C) 5.5 – 9.5 No 6 months	5 – 30 (°C) 5.5 – 9.5 No 6 months
Flow Rate & Capacity		
	Ultracarb®	Biotect Ultra®
<b>Flow Rate</b>  To achieve maximum performance  <ul style="list-style-type: none"> <li>• Litres per minute</li> <li>• US gallons per minute</li> </ul>	1.9 0.5	1.9 0.5
<b>Capacity</b> Before replacement to guarantee performance+  <ul style="list-style-type: none"> <li>• Litres</li> <li>• US gallons</li> </ul> +Always replace after 6 months use to keep your water fresh	2300 600	2300 600
Filtration Performance		
	Ultracarb®	Biotect Ultra®
<b>Quality Approval</b>  <ul style="list-style-type: none"> <li>• WRAS</li> <li>• NSF</li> </ul>	Yes Yes	Yes Yes
<b>Pathogenic Organisms</b> Bacteria Removal*  <ul style="list-style-type: none"> <li>• E. Coli / Typhoid / Klebsiella Terrigena</li> </ul> % Cyst Removal  <ul style="list-style-type: none"> <li>• Cryptosporidium</li> <li>• Giardia</li> </ul>	>99.99%  >99.99% >99.99%	>99.99%  >99.99% >99.99%
Chemical Removal Performance		
	Ultracarb®	Biotect Ultra®
<b>Trace Organics Removal</b> Range of Pesticides+  <ul style="list-style-type: none"> <li>• Insecticides Lindane @ 0.1ppb presence</li> <li>• Herbicides Atrazine @ 1.2ppb presence</li> <li>• Phenols TCP @ 1.2ppb presence</li> <li>• Polyaromatic Hydrocarbons PAHs @ 0.2ppb presence</li> <li>• Trihalomethanes Chloroform @ 150ppb presence</li> </ul>	>85%  >85%  >50%  >95%  >50%	>85%  >85%  >50%  >95%  >50%
<b>Enhanced Organics Removal</b>  <ul style="list-style-type: none"> <li>• Lindane @ 2ppb presence</li> <li>• Atrazine @ 9ppb presence</li> <li>• Benzene^ @ 15ppb presence</li> </ul>	Pending  Pending  Pending	Ave 70%  Ave 90%  Ave 87%
<b>Heavy Metals Removal</b>  <ul style="list-style-type: none"> <li>• Lead reduction pH6.5 @ 150ppb presence to NSF Std 53</li> <li>• Lead reduction pH8.5 @ 150ppb presence to NSF Std 53</li> <li>• Mercury reduction pH6.5 @ 6ppb presence</li> <li>• Cadmium reduction pH 6.5 @ 30ppb presence</li> </ul>	99.5%  99.5%  Pending  Pending	99.5%  99.5%  Ave 90%  Ave 95%