

Technical Specifications		
	Ultracarb®	Biotect Ultra®
	<b>Sterasyl®</b> microfilter plus carbon block core and lead removal media	<b>Sterasyl®</b> microfilter plus carbon block core with heavy metal removal media
<b>Free Chlorine Removal</b>  • 2ppm presence to NSF Class 1 Std 42	95.5%	95.5%
<b>Filtration Rating</b>  (% particulate filtration efficiency)  • Absolute (defined as > 99.99%) • Nominal (defined as >99.99%)  Microplastics to NSF/ANSI Std 401  • Turbidity reduction	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)  • Minimum • Maximum × 30 psi in DUO & TRIO systems	10 psi 125 psi	10 psi 125 psi
<b>Working Parameters</b>  • Working temperature range • Working pH range • Suitable for use in Gravity filter systems • Recommended change frequency	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  • Litres per minute • US gallons per minute	1.9 0.5	1.9 0.5
<b>Capacity</b> Before replacement to guarantee performance+  • Litres • US gallons +Always replace after 6 months use to keep your water fresh	2300 600	2300 600
Filtration Performance		
	Ultracarb®	Biotect Ultra®
<b>Quality Approval</b>  • WRAS • NSF	Yes Yes	Yes Yes
<b>Pathogenic Organisms</b> Bacteria Removal*  • E. Coli / Typhoid / Klebsiella Terrigena  % Cyst Removal  • Cryptosporidium • Giardia	>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+  • Insecticides Lindane @ 0.1ppb presence  • Herbicides Atrazine @ 1.2ppb presence  • Phenols TCP @ 1.2ppb presence  • Polyaromatic Hydrocarbons PAHs @ 0.2ppb presence  • Trihalomethanes Chloroform @ 150ppb presence	>85%  >85%  >50%  >95%  >50%	>85%  >85%  >50%  >95%  >50%
<b>Enhanced Organics Removal</b>  • Lindane @ 2ppb presence  • Atrazine @ 9ppb presence  • Benzene^ @ 15ppb presence	Pending  Pending  Pending	Ave 70%  Ave 90%  Ave 87%
<b>Heavy Metals Removal</b>  • Lead reduction pH6.5 @ 150ppb presence to NSF Std 53  • Lead reduction pH8.5 @ 150ppb presence to NSF Std 53  • Mercury reduction pH6.5 @ 6ppb presence  • Cadmium reduction pH 6.5 @ 30ppb presence	99.5%  99.5%  Pending  Pending	99.5%  99.5%  Ave 90%  Ave 95%