

# Healthy water, healthy life.

## Filter Performance



		Sterasyt®	Super Sterasyt®	Ultra Sterasyt®	Ultracarb®	BioTect Ultra®
Selection of the most appropriate grade of candle allows filter performance to be matched to the requirements of the local water conditions		Silver impregnated ceramic microfilter	Sterasyt® microfilter plus granular activated carbon	Sterasyt® microfilter plus granular activated carbon and lead removal media	Sterasyt® microfilter plus carbon block core and lead removal media	Sterasyt® microfilter plus carbon block core and heavy metals with lead removal media
Filtration Rating (% particulate filtration efficiency)	Absolute (defined as >99.99%)	0.9 micron	0.9 micron	0.9 micron	0.9 micron	0.9 micron
	Nominal (defined as >99.9%)	0.5 to 0.8 micron	0.5 to 0.8 micron	0.5 to 0.8 micron	0.5 to 0.8 micron	0.5 to 0.8 micron
Working Pressure (for pressure filter use)	Minimum	10 psi	10 psi	N/A	10 psi	10 psi
	Maximum	125 psi	125 psi	N/A	125 psi	125 psi
Working Parameters	Working temperature range	5 – 30 (°C)	5 – 30 (°C)	5 – 30 (°C)	5 – 30 (°C)	5 – 30 (°C)
	Working pH range	5.5 – 9.5	5.5 – 9.5	5.5 – 9.5	5.5 – 9.5	5.5 – 9.5
	Suitable for use in Gravity filters	Yes	Yes	Yes	N/A	N/A
	Recommended change frequency	12 months	6 months	6 months	6 months	6 months
Flow Rate	Unrestricted Flow at 3 Bar Pressure up to	5 Litres per minute 1.33 US gallons per minute	4.5 1.2 US gallons per minute	N/A N/A	3.3 0.9 US gallons per minute	3.3 0.9 US gallons per minute
	To achieve maximum performance	N/A N/A	1.2 l/hr under gravity 0.3 g/hr under gravity	1.2 l/hr under gravity 0.3 g/hr under gravity	1.9 0.5	1.9 0.5
Capacity	Before replacement to guarantee performance	10,000 2600 US gallons	2000 535 US gallons	1500 400 US gallons	2300 600 US gallons	2300 600 US gallons
	Quality Approval	WRAS approved Turbidity reduction	YES >98%	YES >98%	YES >98%	YES >98%
Pathogenic Organisms	% Bacteria Removal*	E. Coli / Cholera / Shigella / Typhoid / Klebsiella Terrigena	>99.99%	>99.99%	>99.99%	>99.99%
	% Cyst Removal	Cryptosporidium Giardia	>99.99%	>99.99%	>99.99%	>99.99%
			>99.99%	>99.99%	>99.99%	>99.99%
Trace Organics Removal	Insecticides	Lindane @ 0.1ppb presence	N/A	NO DATA	NO DATA	>85%
	Herbicides	Atrazine @ 1.2ppb presence	N/A	NO DATA	NO DATA	>85%
	Phenols	TCP @ 1.2ppb presence	N/A	NO DATA	NO DATA	>50%
	Polyaromatic Hydrocarbons	PAHs @ 0.2ppb presence	N/A	NO DATA	NO DATA	>95%
	Trihalomethanes	Chloroform @ 150ppb presence	N/A	NO DATA	NO DATA	>50%
Range of Pesticides*	including Atrazine, Metalachlor, Cyanazine, Alachlor & PCBs			>95%		
Enhanced Organics Removal	Lindane	≥2ppb presence	N/A	>99%	>99%	N/A
	Atrazine	≥9ppb presence	N/A	>99.38%	99.38%	N/A
	Benzene	≥15ppb presence	N/A	>99% <sup>^</sup>	>99% <sup>^</sup>	N/A
Pharmaceuticals*	including Testosterone, Bisphenol A, Ibuprofen, Naproxen & Estrone			>99.5%		
Inorganics Removal	Free Chlorine Removal	2ppm presence to NSF Class 1 Std 42	N/A	Under Gravity >99% Under Pressure >50%	>99% under gravity	94.2%
Monochloramine Reduction	3ppm presence	N/A	N/A	N/A	N/A	N/A
	2ppm presence	N/A	N/A	N/A	N/A	Ave 64%
Heavy Metals Removal	Lead reduction pH6.5	@ 150ppb presence to NSF Std 53	N/A	N/A	Ave 99.5%	98.9%
	Lead reduction pH8.5	@ 150ppb presence to NSF Std 53	N/A	N/A	Ave 99.5%	†99.1%
	Mercury reduction pH6.5	@ 6ppb presence	N/A	N/A	N/A	Ave 99%
	Cadmium reduction pH 6.5	@ 30ppb presence	N/A	N/A	N/A	Ave 95%
	Range of Metals pH 6.5*				81.5%	N/A
Range of Metals pH 8.5*				81%	N/A	
Scale Inhibition	Slow release scale inhibition available with Ultracarb SI® and BioTect Ultra SI® ceramic filter candles.					

State restrictions may limit the availability of certain products in California, Iowa and Wisconsin. For product availability in these States please refer to our website: [www.doulton.com](http://www.doulton.com)

† Internally generated test data.

‡ Under approval process.

\*Ceramics tested in HIS filter housing with a minimum of 5 log/100mls influent challenge.

<sup>^</sup>Tested as Hexachlorobenzene

A GENUINE WATER FILTER

MADE IN BRITAIN

