

Healthy water, healthy life.

Filter Performance



		Sterasyt®	Super Sterasyt®	Ultra Sterasyt®	ATC Super Sterasyt®	Ultra Fluoride®	Chlorasyt®	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 granular activated carbon and lead removal media	Sterasyt® microfilter plus Fluoride and lead removal media with activated carbon	Sterasyt® microfilter plus carbon block core 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	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	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	N/A	N/A	10 psi	10 psi	10 psi
	Maximum	125 psi	125 psi	N/A	N/A	N/A	125 psi	125 psi	125 psi
Working Parameters									
	Working temperature range	5 – 30 (°C)	5 – 30 (°C)	5 – 30 (°C)	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	5.5 – 9.5	5.5 – 9.5	5.5 – 9.5
	Suitable for use in Gravity filters	Yes	Yes	Yes	Yes	N/A	N/A	N/A	N/A
	Recommended change frequency	12 months	6 months	6 months	6 months	6 months	6 months	6 months	6 months
Flow Rate									
	Unrestricted Flow at 3 Bar Pressure up to	5 Litres per minute	4.5 Litres per minute	N/A	N/A	N/A	3.7 Litres per minute	3.3 Litres per minute	3.3 Litres per minute
		1.33 US gallons per minute	1.2 US gallons per minute	N/A	N/A	N/A	1 US gallons per minute	0.9 US gallons per minute	0.9 US gallons per minute
	To achieve maximum performance	N/A	1.2 l/hr under gravity	1.2 l/hr under gravity	1.2 l/hr under gravity	1.2 l/hr under gravity	1.9 l/hr under gravity	1.9 l/hr under gravity	1.9 l/hr under gravity
		N/A	0.3 g/hr under gravity	0.3 g/hr under gravity	0.3 g/hr under gravity	0.3 g/hr under gravity	0.5 g/hr under gravity	0.5 g/hr under gravity	0.5 g/hr under gravity
Capacity									
	Before replacement to guarantee performance	10,000 Litres 2600 US gallons	2000 Litres 535 US gallons	1500 Litres 400 US gallons	1500 Litres 400 US gallons	1500 Litres 400 US gallons	3800 Litres 1000 US gallons	2300 Litres 600 US gallons	2300 Litres 600 US gallons
Quality Approval									
	WRIS approved	YES	YES	NO	NO	NO	NO	YES	‡PENDING
	Turbidity reduction	>98%	>98%	>98%	>98%	>98%	>98%	>98%	>98%
Fluoride Removal									
	Fluoride tested to 1500L 5ppm presence					Ave 36%			
	Fluoride tested to 1000L 5ppm presence					Ave 46%			
Pathogenic Organisms									
	% Bacteria Removal* E. Coli / Cholera / Shigella / Typhoid / Klebsiella Terrigena	>99.99%	>99.99%	>99.99%	>99.99%	>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									
	Range of Pesticides* Insecticides Herbicides Phenols Polycyclic Aromatic Hydrocarbons Trihalomethanes	N/A Lindane @ 0.1ppb presence Atrazine @ 1.2ppb presence TCP @ 1.2ppb presence N/A PAHs @ 0.2ppb presence N/A	NO DATA NO DATA NO DATA NO DATA NO DATA	>95% NO DATA NO DATA NO DATA NO DATA NO DATA	>95% NO DATA NO DATA NO DATA NO DATA NO DATA	NO DATA NO DATA NO DATA NO DATA NO DATA NO DATA	NO DATA NO DATA NO DATA NO DATA NO DATA NO DATA	>85% >85% >50% >95% >50%	NO DATA >85% >85% >50% >95% >50%
Enhanced Organics Removal									
	Pharmaceuticals* Lindane Atrazine Benzene	N/A ≥2ppb presence N/A ≥9ppb presence N/A ≥15ppb presence	>99% >99.38% >99% [^]	>99.5% >99% 99.38% >99% [^]	>99.5% >99% 99.38% >99% [^]	NO DATA NO DATA NO DATA NO DATA	Ave 95% N/A Ave 87%	N/A N/A N/A	Ave 70% Ave 90% Ave 87%
Inorganics Removal									
	Free Chlorine Removal 2ppm presence to NSF Class 1 Std 42	N/A	Under Gravity >99% Under Pressure >50%	>99% under gravity	>99% under gravity	Ave 97.2%	>97%	94.2%	† >96%
Monochloramine Reduction									
	3ppm presence 2ppm presence	N/A N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A	Ave 95% (600 USG) 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%	Ave 99.5%	Ave 99.5%	N/A	97.3%	98.9%
	Lead reduction pH8.5 @ 150ppb presence to NSF Std 53	N/A	N/A	Ave 99.5%	Ave 99.5%	N/A	N/A	99.5%	†99.1%
	Mercury reduction pH6.5 @ 6ppb presence	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Ave 90%
	Cadmium reduction pH 6.5 @ 30ppb presence	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Ave 95%
	Range of Metals pH 6.5*			81.5%	81.5%			N/A	N/A
	Range of Metals pH 8.5*			81%	81%			N/A	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

† Internally generated test data.

‡ Under approval process.

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

[^]Tested as Hexachlorobenzene

A GENUINE WATER FILTER

MADE IN BRITAIN

