

Healthy water, healthy life.



Filter Performance

Candle Grade 49mm		Sterasyli®	Super Sterasyli®	Ultra Sterasyli®	Chlorasyli®	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	Sterasyli® microfilter plus granular activated carbon	Sterasyli® microfilter plus granular activated carbon and lead removal media	Sterasyli® microfilter plus carbon block core	Sterasyli® microfilter plus carbon block core and lead removal media	Sterasyli® microfilter plus carbon block core and heavy metals 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
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
Working Pressure (for pressure filter use)							
Minimum		10 psi	10 psi	N/A	10 psi	10 psi	10 psi
Maximum		125 psi	125 psi	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)
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
Suitable for use in Gravity filters		Yes	Yes	Yes	N/A	N/A	N/A
Recommended change frequency		12 months	6 months	6 months	6 months	6 months	6 months
Flow Rate							
Unrestricted Flow at 3 Bar Pressure up to Litres per minute		5	4.5	N/A	3.7	3.3	3.3
US gallons per minute		1.33	1.2	N/A	1	0.9	0.9
To achieve maximum performance							
Litres per minute		N/A	1.2 l/hr under gravity	1.2 l/hr under gravity	1.9	1.9	1.9
US gallons per minute		N/A	0.3 g/hr under gravity	0.3 g/hr under gravity	0.5	0.5	0.5
Capacity							
Before replacement to guarantee performance							
Litres		10,000	2000	1500	3800	2300	2300
US gallons		2600	535	400	1000	600	600
Quality Approval							
NSF approved		YES	YES	NO	NO	YES	‡PENDING
Turbidity reduction		>98%	>98%	>98%	>98%	>98%	>98%
Pathogenic Organisms							
% Bacteria Removal*	E. Coli / Cholera / Shigella / Typhoid / Klebsiella Terrigena	>99.99%	>99.99%	>99.99%	>99.99%	>99.99%	>99.99%
% Cyst Removal	Cryptosporidium	>99.99%	>99.99%	>99.99%	>99.99%	>99.99%	>99.99%
	Giardia	>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	NO DATA	>85%	>85%
Herbicides	Atrazine @ 1.2ppb presence	N/A	NO DATA	NO DATA	NO DATA	>85%	>85%
Phenols	TCP @ 1.2ppb presence	N/A	NO DATA	NO DATA	NO DATA	>50%	>50%
Polyaromatic Hydrocarbons	PAHs @ 0.2ppb presence	N/A	NO DATA	NO DATA	NO DATA	>95%	>95%
Trihalomethanes	Chloroform @ 150ppb presence	N/A	NO DATA	NO DATA	NO DATA	>50%	>50%
Enhanced Organics Removal							
Lindane	≥2ppb presence	N/A	>99%	>99%	Ave 95%	N/A	Ave 70%
Atrazine	≥9ppb presence	N/A	>99%	>99%	N/A	N/A	Ave 90%
Benzene	≥15ppb presence	N/A	>99% [^]	>99% [^]	Ave 87%	N/A	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	>97%	94.2%	† >96%
Monochloramine Reduction							
3ppm presence		N/A	N/A	N/A	Ave 95% (600 USG)	N/A	N/A
2ppm presence		N/A	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	>94% under gravity†	N/A	97.3%	98.9%
Lead reduction pH8.5	@ 150ppb presence to NSF Std 53	N/A	N/A	N/A	N/A	99.5%	†99.1%
Mercury reduction pH6.5	@ 6ppb presence	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	Ave 95%

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

