

Healthy water, healthy life.



Doulton



British Berkefeld

Filter Performance

Candle Grade 49mmø		Sterasyt®	Super Sterasyt®	ATC Super Sterasyt®	Supercarb®	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 carbon block core	Sterasyt® microfilter plus carbon block core	Sterasyt® microfilter plus carbon block core and lead removal media	Sterasyt® 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	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
	Nominal (defined as >97%)							0.2 to 0.3 micron
Working Pressure (for pressure filter use)								
	Minimum	10 psi	10 psi	N/A	10 psi	10 psi	10 psi	10 psi
	Maximum	125 psi	125 psi	N/A	125 psi	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)
	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
	Suitable for use in Gravity filters	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
Flow Rate								
	Unrestricted Flow at 3 Bar Pressure up to							
	Litres per minute	5	4.5	N/A	3.7	3.7	3.3	3.3
	US gallons per minute	1.33	1.2	N/A	1	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	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	0.5
Capacity								
	Before replacement to guarantee performance							
	Litres	10,000	2000	1500	3800	3800	2300	2300
	US gallons	2600	535	400	1000	1000	600	600
Quality Approval								
	NSF certified version available	YES*	NO	NO	YES	NO	YES	YES
	WRAS approved	YES	YES	NO	YES	NO	YES	‡PENDING
	Turbidity reduction to NSF std. 53	>98%	>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%	>99.99%
	% Cyst Removal Cryptosporidium	>99.99%	>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%	>99.99%
Trace Organics Removal								
	Insecticides	N/A	NO DATA	NO DATA	>85%	NO DATA	>85%	>85%
	Herbicides	N/A	NO DATA	NO DATA	>85%	NO DATA	>85%	>85%
	Phenols	N/A	NO DATA	NO DATA	>50%	NO DATA	>50%	>50%
	Polyaromatic Hydrocarbons	N/A	NO DATA	NO DATA	>95%	NO DATA	>95%	>95%
	Trihalomethanes Chloroform @ 150ppb presence	N/A	NO DATA	NO DATA	>50%	NO DATA	>50%	>50%
Enhanced Organics Removal								
	Lindane	N/A	N/A	N/A	N/A	Ave 95%	N/A	Ave 70%
	Atrazine	N/A	N/A	N/A	N/A	N/A	N/A	Ave 90%
	Benzene	N/A	N/A	N/A	N/A	Ave 87%	N/A	Ave 87%
Inorganics Removal								
	Free Chlorine Removal	N/A	Under Gravity >95%	>95% under gravity	>97%	>97%	>96%	>96%
	2ppm presence to NSF Class 1 Std 42		Under Pressure >50%					
Monochloramine Reduction								
	3ppm presence	N/A	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	N/A	Ave 64%
Heavy Metals Removal								
	Lead reduction pH6.5	N/A	N/A	>94% under gravity	N/A	N/A	98.7%	98.7%
	@ 150ppb presence to NSF Std 53							
	Lead reduction pH8.5	N/A	N/A	N/A	N/A	N/A	98.7%	†99.1%
	@ 150ppb presence to NSF Std 53							
	Mercury reduction pH6.5	N/A	N/A	N/A	N/A	N/A	N/A	Ave 90%
	@ 6ppb presence							
	Cadmium reduction pH 6.5	N/A	N/A	N/A	N/A	N/A	N/A	Ave 95%
	@ 30ppb presence							

Scale Inhibition

Slow release scale inhibition available with Ultracarb SI® and Supercarb 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.faireyceramics.com

* NSF certified replacement elements are Doulton Sterasyt®, Doulton Supercarb®, Doulton Ultracarb® and Doulton BioTect Ultra® as verified by testing in HIP Inline, and EcoFast® Inline Systems.

† Internally generated test data.

‡ Under approval process.

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