

# Healthy water, healthy life.



## Filter Performance

Candle Grade 49mmø		Sterasyt®	Super Sterasyt®	ATC Super Sterasyt®	Supercarb™	Chlorasyt	BioTect Super	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 granula 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	Sterasyt® microfilter plus carbon block core and lead removal media	Sterasyt® microfilter plus carbon block core and heavy metals removal media
<b>Filtration Rating</b> (% 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
	Nominal (defined as >97%)						0.2 to 0.3 micron		0.2 to 0.3 micron
<b>Working Pressure</b> (for pressure filter use)									
	Minimum	10 psi	10 psi	N/A	10 psi	10 psi	10 psi	10 psi	10 psi
	Maximum	125 psi	125 psi	N/A	125 psi	125 psi	125 psi	125 psi	125 psi
<b>Working Parameters</b>									
	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	N/A	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
<b>Flow Rate</b>									
Unrestricted Flow at 3 Bar Pressure	Litres per minute	5	4.5	N/A	3.7	3.7	3.7	3.3	3.3
	US gallons per minute	1.33	1.2	N/A	1	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	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	0.5
<b>Capacity</b>									
Before replacement to guarantee performance	Litres	10,000	2000	1500	3800	3800	3800	2300	2300
	US gallons	2600	535	400	1000	1000	1000	600	600
<b>Quality Approval</b>									
	NSF certified version available	YES*	NO	NO	YES	NO	NO	YES	YES
	WRAS approved	YES	YES	NO	YES	NO	NO	YES	‡PENDING
	Turbidity reduction to NSF std. 53	>98%	>98%	>98%	>98%	>98%	>98%	>98%	>98%
<b>Pathogenic Organisms</b>									
% 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	>99.99%	>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%	>99.99%
<b>Trace Organics Removal</b>									
Insecticides	Lindane @ 0.1ppb presence	N/A	NO DATA	NO DATA	>85%	NO DATA	>85%	>85%	>85%
Herbicides	Atrazine @ 1.2ppb presence	N/A	NO DATA	NO DATA	>85%	NO DATA	>85%	>85%	>85%
Phenols	TCP @ 1.2ppb presence	N/A	NO DATA	NO DATA	>50%	NO DATA	>50%	>50%	>50%
Polyaromatic Hydrocarbons	PAHs @ 0.2ppb presence	N/A	NO DATA	NO DATA	>95%	NO DATA	>95%	>95%	>95%
Trihalomethanes	Chloroform @ 150ppb presence	N/A	NO DATA	NO DATA	>50%	NO DATA	>50%	>50%	>50%
<b>Enhanced Organics Removal</b>									
Lindane	2ppb presence	N/A	N/A	N/A	N/A	Ave 85%	Ave 78%	N/A	Ave 70%
Atrazine	9ppb presence	N/A	N/A	N/A	N/A	N/A	Ave 90%	N/A	Ave 90%
Benzene	15ppb presence	N/A	N/A	N/A	N/A	Ave 87%	Ave 87%	N/A	Ave 87%
<b>Inorganics Removal</b>									
Free Chlorine Removal	2ppm presence to NSF Class 1 Std 42	N/A	Under Gravity >95% Under Pressure >50%	>95% under gravity	>97%	>97%	>97%	>96%	>96%
<b>Monochloramine Reduction</b>									
	3ppm presence	N/A	N/A	N/A	N/A	95% (600 USG)	N/A	N/A	N/A
	2ppm presence	N/A	N/A	N/A	N/A	N/A	Ave 82%	N/A	Ave 64%
<b>Heavy Metals Removal</b>									
Lead reduction pH6.5	@ 150ppb presence to NSF Std 53	N/A	N/A	>94% under gravity	N/A	N/A	N/A	98.7%	98.7%
Lead reduction pH8.5	@ 150ppb presence to NSF Std 53	N/A	N/A	N/A	N/A	N/A	N/A	98.7%	‡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%

### 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](http://www.faireyceramics.com)

\* NSF certified replacement elements are Doulton Sterasyt®, Doulton® Supercarb® and Doulton® Ultracarb® as verified by testing in HIP Inline systems.

† Internally generated test data.

‡ Under approval process.

