

# Healthy water, healthy life.

## Filter Performance



### Verified by independent laboratories

#### Candle Grade 49mm

Selection of the most appropriate grade of candle allows filter performance to be matched to the requirements of the local water conditions.

		<b>Sterasyt®</b> Silver impregnated ceramic microfilter	<b>Super Sterasyt®</b> Sterasyt® microfilter plus granular activated carbon	<b>ATC Super Sterasyt®</b> Sterasyt® microfilter plus granular activated carbon and lead removal media	<b>Supercarb®</b> Sterasyt® microfilter plus carbon block core	<b>Chlorasyt®</b> Sterasyt® microfilter plus carbon block core	<b>Ultracarb®</b> Sterasyt® microfilter plus carbon block core and lead 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
	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
<b>Working Pressure</b> (for pressure filter use)							
	Minimum	10 psi	10 psi	N/A	10 psi	10 psi	10 psi (0.69 bar)
	Maximum	125 psi	125 psi	N/A	125 psi	125 psi	125 psi (8.61 bars)
<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)
	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	No	No	No
	Recommended change frequency	12 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	3.3
	US gallons per minute	1.33	1.2	N/A	1	1	0.9
	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
<b>Capacity</b>							
Before replacement to guarantee performance	Litres	10,000	2000	1500	3800	3800	2300
	US gallons	2600	535	400	1000	1000	600
<b>Quality Approval</b>							
	NSF certified version available	YES*	NO	NO	YES*	No	YES*
	WRAS approved	YES	YES	NO	YES	No	YES
	Turbidity reduction to NSF std. 53	>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%
	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%
<b>Trace Organics Removal</b>							
Insecticides	Lindane @ 0.1ppb presence	N/A	NO DATA	NO DATA	>85%	NO DATA	>85%
Herbicides	Atrazine @ 1.2ppb presence	N/A	NO DATA	NO DATA	>85%	NO DATA	>85%
Phenols	TCP @ 1.2ppb presence	N/A	NO DATA	NO DATA	>50%	NO DATA	>50%
Polyaromatic Hydrocarbons	PAHs @ 0.2ppb presence	N/A	NO DATA	NO DATA	>95%	NO DATA	>95%
Trihalomethanes	Chloroform @ 150ppb presence	N/A	NO DATA	NO DATA	>50%	NO DATA	>50%
<b>Inorganics Removal</b>							
Free Chlorine Removal	2mg cl/l challenge	N/A	Under Gravity >95%	>95% under gravity	>97%	>97% (1000 USG)	>96%
			Under Pressure >50%		NSF Class 1 std. 42		NSF Class 1 std. 42
Monochloramine Reduction	3mg/l challenge	N/A	N/A	N/A	N/A	95%	N/A
	Tested to 500 US gallons (1893 litres) @ 0.5gpm	N/A	N/A	N/A	N/A	95%	N/A
Lead Removal	Tested to 700 US gallons (2650 litres) @ 0.3gpm	N/A	N/A	N/A	N/A	No	>99.3% NSF std. 53
	@ pH 6.5	N/A	N/A	>94% under gravity	N/A	No	99.2% NSF std. 53
Lead Removal	@ pH 8.5	N/A	N/A	N/A	N/A	No	

#### 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 H1P Inline systems.

