



Filter Performance

Verified by independent laboratories

Candle Grade 49mmø

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

		Sterasyl® Silver impregnated ceramic microfilter	Super Sterasyl® Sterasyl® microfilter plus granular activated carbon	ATC Super Sterasyl® Sterasyl® microfilter plus granular activated carbon and lead removal media	Supercarb® Sterasyl® microfilter plus carbon block core	Chlorasyl® Sterasyl® microfilter plus carbon block core	Ultracarb® Sterasyl® microfilter plus carbon block core and 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
	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	No	No	No
	Recommended change frequency	12 months	6 months	6 months	6 months	6 months	6 months
Flow Rate							
	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
	To achieve maximum performance						
	Litres per minute	N/A	1.5	1.2 l/hr under gravity	1.9	1.9	1.9
	US gallons per minute	N/A	0.4	0.3 g/hr under gravity	0.5	0.5	0.5
Capacity							
	Before replacement to guarantee performance						
	Litres	10,000	2000	1500	3800	3800	2300
	US gallons	2600	535	400	1000	1000	600
Quality Approval							
	certified version available	YES*	NO	NO	YES*	No	YES*
	approved	YES	YES	NO	YES	No	YES
	Turbidity reduction to NSF std. 53	>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	>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%
Inorganics Removal							
	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						
	Tested to 500 US gallons (1893 litres) @ 0.5gpm	N/A	N/A	N/A	N/A	95%	N/A
	Tested to 700 US gallons (2650 litres) @ 0.3gpm	N/A	N/A	N/A	N/A	95%	N/A
	Lead Removal						
	@ pH 6.5 after 2,244L	N/A	N/A	>94% under gravity	N/A	No	>99.3% NSF std. 53
	@ pH 8.5 after 2,244L	N/A	N/A	N/A	N/A	No	99.2% NSF std. 53

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 Sterasyl®, Doulton® Supercarb® and Doulton® Ultracarb® as verified by testing in HIP Inline systems.

