



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	1.2 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	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 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% Under Pressure >50%	>95% under gravity	>97% NSF Class 1 std. 42	>97% (1000 USG)	>96% 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 @ pH 8.5	N/A N/A	N/A N/A	>94% under gravity N/A	N/A N/A	No No	>99.3% NSF std. 53 99.2% NSF std. 53

Scale Inhibition

Slow release scale inhibition available with Ultracarb SI® and Supercarb SI® ceramic filter candles.