

British Berkefeld Filters for Gravity Systems



		Ultra Sterasyl®	Ultra Fluoride®
Selection of the most appropriate grade of candle allows filter performance to be matched to the requirements of the local water conditions		Sterasyl® microfilter plus granular activated carbon and lead removal media	Sterasyl® microfilter plus Fluoride and lead removal media with activated carbon
Filtration Rating (% particulate filtration efficiency)	Absolute (defined as >99.99%) Nominal (defined as >99.9%)	0.9 micron 0.5 to 0.8 micron	0.9 micron 0.5 to 0.8 micron
Working Pressure (for pressure filter use)	Minimum Maximum	N/A N/A	N/A N/A
Working Parameters	Working temperature range Working pH range Suitable for use in Gravity filters Recommended change frequency	5 – 30 (°C) 5.5 – 9.5 Yes 6 months	5 – 30 (°C) 5.5 – 9.5 N/A 6 months
Flow Rate	Unrestricted Flow at 3 Bar Pressure up to To achieve maximum performance	N/A N/A 1.2 l/hr under gravity 0.3 g/hr under gravity	N/A N/A 1.2 l/hr under gravity 0.3 g/hr under gravity
Capacity	Before replacement to guarantee performance	Litres US gallons 1500 400	1500 400
Quality Approval	WRAS approved Turbidity reduction	NO >98%	NO >98%
Fluoride Removal	Fluoride tested to 1500L 5ppm presence Fluoride tested to 1000L 5ppm presence		Ave 36% Ave 46%
Pathogenic Organisms	% Bacteria Removal* % Cyst Removal	E. Coli / Shigella / Typhoid / Klebsiella Terrigena Cryptosporidium Giardia >99.99% >99.99% >99.99%	>99.99% >99.99% >99.99%
Trace Organics Removal	Range of Pesticides+ Insecticides Herbicides Phenols Polyaromatic Hydrocarbons Trihalomethanes	Lindane @ 0.1ppb presence Atrazine @ 1.2ppb presence TCP @ 1.2ppb presence PAHs @ 0.2ppb presence Chloroform @ 150ppb presence >95% NO DATA NO DATA NO DATA NO DATA NO DATA	NO DATA NO DATA NO DATA NO DATA NO DATA NO DATA
Enhanced Organics Removal	Pharmaceuticals+ Lindane Atrazine Benzene	≥2ppb presence ≥9ppb presence ≥15ppb presence >99.5% >99% 99.38% >99% [†]	NO DATA NO DATA NO DATA NO DATA
Inorganics Removal	Free Chlorine Removal	2ppm presence to NSF Class 1 Std 42 >99% under gravity	Ave 97.2%
Monochloramine Reduction	3ppm presence 2ppm presence	N/A N/A	N/A N/A
Heavy Metals Removal	Lead reduction pH6.5 Lead reduction pH8.5 Mercury reduction pH6.5 Cadmium reduction pH 6.5 Range of Metals pH 6.5+ Range of Metals pH 8.5+	@ 150ppb presence to NSF Std 53 @ 150ppb presence to NSF Std 53 @ 6ppb presence @ 30ppb presence Ave 99.5% Ave 99.5% N/A N/A 81.5% 81%	Ave 99.5% N/A N/A N/A

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.doulton.com

† Internally generated test data. ‡ Under approval process. *Ceramics tested in HIS filter housing with a minimum of 5 log/100mls influent challenge.

^Tested as Hexachlorobenzene