

# Performance

Independently tested performance claims:

## Candle Grade 49mmØ

		BioTect Ultra®
<b>Filtration Rating</b> (% particulate filtration efficiency)	Absolute (defined as >99.99%)	0.9 micron
	Nominal (defined as >99.9%)	0.5 to 0.8 micron
	Nominal (defined as >97%)	0.2 to 0.3 micron
<b>Working Pressure</b> (for pressure filter use)	Minimum	10 psi
	Maximum	90 psi
<b>Working Parameters</b>	Working temperature range	5 – 30 (°C)
	Working pH range	5.5 – 9.5
	Recommended change frequency	6 months
<b>Flow Rate</b> Unrestricted Flow at 3 Bar Pressure up to	Litres per minute	3.3
	US gallons per minute	0.9
To achieve maximum performance	Litres per minute	1.9
	US gallons per minute	0.5
<b>Capacity</b> Before replacement to guarantee performance	Litres	2300
	US gallons	600
<b>Quality Approval</b>	NSF certified version available*	YES
	WRAS approved	‡PENDING
	Turbidity reduction to NSF std. 53	>98%
<b>Pathogenic Organisms</b>	% Bacteria Removal**	>99.99%
	% Cyst Removal	>99.99%
	E. Coli / Cholera / Shigella / Typhoid / Klebsiella Terrigena	>99.99%
	Cryptosporidium Giardia	>99.99%
<b>Trace Organics Removal</b>	Insecticides	Lindane @ 0.1ppb presence >85%
	Herbicides	Atrazine @ 1.2ppb presence >85%
	Phenols	TCP @ 1.2ppb presence >50%
	Polyaromatic Hydrocarbons	PAHs @ 0.2ppb presence >95%
	Trihalomethanes	Chloroform @ 150ppb presence >50%
	<b>Enhanced Organics Removal</b>	Lindane
Atrazine		9ppb presence Ave 90%
Benzene		15ppb presence Ave 87%
<b>Inorganics Removal</b>		Free Chlorine Removal
	<b>Monochloramine Reduction</b>	2ppm presence Ave 64%
<b>Heavy Metals Removal</b>	Lead reduction pH6.5	@ 150ppb presence to NSF Std 53 98.7%
	Lead reduction pH8.5	@ 150ppb presence to NSF Std 53 †98.7%
	Mercury reduction pH6.5	@ 6ppb presence Ave 90%
	Cadmium reduction pH 6.5	@ 30ppb presence Ave 95%
	<b>Scale Inhibition</b>	

Slow release scale inhibition available with the BioTect Ultra Si® reduces scale build up downstream of the filter

\* NSF certified replacement element Doulton BioTect Ultra® as verified by testing in HIP Inline Systems.

† Internally generated test data. ‡ Under approval process.

\*\* Ceramics tested in HIS filter housing with a minimum of 5 log/100mls influent challenge.

### Manufactured by:

Doulton Water Filters, Newcastle, Staffordshire, ST5 9BT, United Kingdom.

Telephone: +44 (0) 1782 664420

Fax: +44 (0) 1782 664490

Email: filtersales@doulton.com

Website: www.doulton.com



Certifications held by Fairey Industrial Ceramics Limited, see website for full details.

Doulton®, filtadapt®, BioTect Ultra® and Sterasy® are trademarks registered to Fairey Industrial Ceramics Limited.

State restrictions may limit the availability of certain products in California, Iowa and Wisconsin.



## The missing piece of your kitchen.



## The new contemporary drinking water filter



## Filter Adaptability

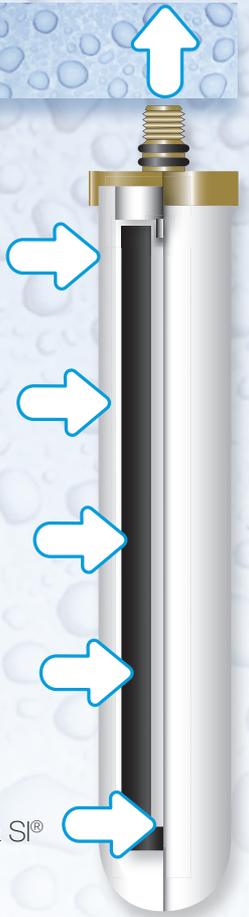
-  **360° swivel spout**  
versatile positioning on the counter
-  **Top loading candle**  
easy access to candle
-  **Minimum footprint**  
space saving modern shape  
streamlined for easy cleaning
-  **Bayonet construction**  
easy quarter turn access for cleaning and maintenance
-  **Variety of filter elements**  
to solve most common water  
contamination issues
-  **Push-Fit fittings**  
adjustable length tubing
-  **No plumbing required**  
connects to the tap via a diverter valve
-  **Modular design**  
interchangeable coloured body sleeve and cap



## Multistage Filtration...

...in one filter cartridge - BioTect Ultra SI®

- Stage 1**  
Ceramic outer shell - Micro Filtration of bacteria, cysts and particles
- Stage 2**  
Anti-bacterial formulation contains silver to prevent microbiological growth within the ceramic element
- Stage 3**  
Activated carbon block takes out chlorine and organics improving taste and odour
- Stage 4**  
Heavy metal reduction media takes out toxic lead, cadmium and mercury
- Stage 5**  
Slow release scale inhibitor available with the BioTect Ultra SI® reduces scale build up



## Material Adaptability

-  **Water contact materials and components**  
all suitable for use with potable water selected for ease of NSF and WRAS certification
-  **Non water contact components**  
changeable sleeve and cap total freedom of colour choice
-  **High efficiency filter**  
>99.99% filtration of pathogenic bacteria, cysts and particles.
-  **Long life / Value for Money**  
Cleanable filter surface for prolonged life.
-  **No power required**  
Cost effective to run.  
Protects without power.
-  **Virtually no plastic waste**  
Reusable housing means less plastic waste.



## Operating Conditions

Working pressure range: 0.7 bar (10 psi) – 8 bar (125 psi)

Working temperature range: 5 - 30°C (41 - 86°F)

This filter is not designed for the treatment of hot water and should only be used to dispense cold water.

All material BPA Free

[www.doulton.com](http://www.doulton.com)