

# Doulton®

## Ultracarb Ceramic Filter Cartridges

*Doulton® has been a leading name in drinking water filtration for over 150 years.*

*Doulton® ceramic elements are now available in a range of standard cartridge formats which bring the quality associated with the Doulton® name to the general filtration market.*

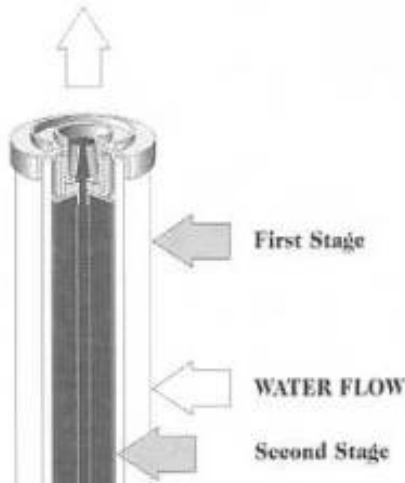
## Ultracarb

### Features

- Fits industry standard 10" and 20" filter housings
- Three filtration stages within a single cartridge
- Filtration efficiency of > 99.99% at 0.9 micron
- Filtration efficiency of > 99.9% at 0.5 to 0.8 micron
- Highly efficient bacteriological filtration
- Tested with live *Cryptosporidium* to a removal efficiency >99.999%
- Ideal for R O guard and post filtration
- Complimentary to UV systems
- High levels of Chlorine and organics removal
- Lead and other heavy metal reduction



FILTERED  
AND TREATED  
WATER



### Ultracarb Cartridges

The Doulton Ultracarb is a three stage cartridge combining the highly efficient filtration properties of ceramic with the enhanced water treatment properties of activated carbon and the heavy metal reduction capabilities of ion exchange media.

#### First Stage

The first stage consists of Doulton Sterasyl® ceramic which provides genuine sub micron filtration. The cartridge reduces fine particulate matter, bacteria, cysts and turbidity. The incorporation of silver locked within the ceramic structure gives enhanced bacteriostatic and self sterilising properties.

#### Second Stage



sterilizing properties.

**Second Stage**

An inner core of activated carbon block removes chlorine and organic compounds.

**Third Stage**

Ion exchange resin reduces Lead and other heavy metals.

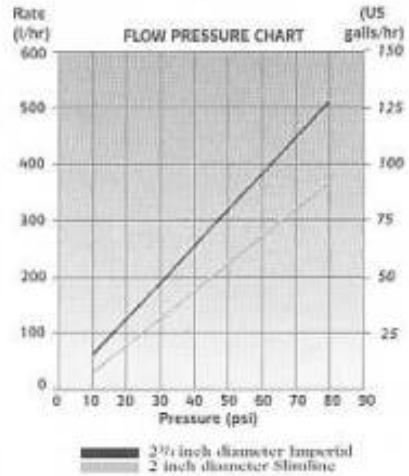
**PSI WATER FILTERS**

**Doulton®**

**Filtration Data Sheet**

**Filtration Efficiency**

Absolute filtration rating	(defined as $\geq 99.99\%$ )	0.9 micron
Nominal filtration rating	(defined as 99.9%)	0.5 - 0.8 micron
% Bacteria removal	E. coli	$> 99.99\%$
	Vibrio Cholera	$> 99.99\%$
	Shigella	$> 99.999\%$
	Salmonella Typhi	$> 99.999\%$
	Klebsiella Terrigena	$> 99.99\%$
% Cyst removal	Cryptosporidium	$> 99.999\%$
	Giardia	$> 99.999\%$



**20 Inch Filter Housings**

Ultracarb Imperial (2 3/4") Filter cartridges can be supplied with a second adaptor cartridge to allow fitting in 20 inch filter housings. Due to slight variations in housing design, please state housing manufacturer when ordering.



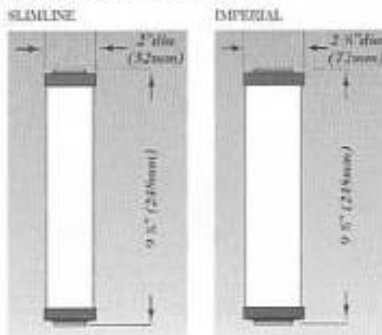
**Chlorine Reduction (@ 2ppm challenge)**

	Volume capacity @ >97% removal efficiency	
	Litres	US Gallons
Slimline 9 1/4 x 2 1/4" (rated @ 1.7 litres flow rate)	4000	1000
Imperial 9 3/4 x 2 1/4" (rated @ 3.0 litres flow rate)	8000	2000

**Lead Reduction (@ 180ppb challenge)**

	Volume capacity @ >98% removal efficiency	
	Litres	US Gallons
Slimline 9 1/4 x 2 1/4" (rated @ 1.7 litres flow rate)	4000	1000
Imperial 9 3/4 x 2 1/4" (rated @ 3.0 litres flow rate)	8000	2000

**Cartridge Dimensions**



**Product Specification**

Working temperature range	5 - 38°C
Working pH range	5.5 - 9.5
Minimum working pressure	10 psi
Maximum working pressure	125 psi

**Trace Organics Removal**

Insecticides	Lindane @ 0.1 ppb presence	$> 85\%$
Herbicides	Atrazine @ 1.2 ppb presence	$> 85\%$
Phenols	TCF @ 1.2 ppb presence	$> 50\%$
Polyaromatic Hydrocarbons	PAHs @ 0.2 ppb presence	$> 95\%$
Trifluoromethanes	Chloroform @ 150 ppb present	$> 50\%$

(3000 litre challenge).

**Cartridge Shipping Specification**

	Individual cartridge weight	Quantity per water carton	Outer carton gross weight

Due to a policy of continuing product development Fairve Industrial Ceramics Limited reserves the right to change any information without prior notice.

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without prior notice.

Doulton® water filters are manufactured by  
Fairey Industrial Ceramics Ltd.

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of which Fairey Industrial Ceramics Limited is an  
authorised user.



**Fairey**  
Industrial Ceramics Ltd.

	cartridge weight	per-water carton	carton gross weight
Slimline 9 1/2 x 2 1/2"	0.3 kg	25	9 kg
Imperial 9 1/2 x 2 1/2"	0.85 kg	9	7 kg

Standard carton size 37 x 37 x 34 cms



Distributed by:



DCGR0997

PSI WATER FILTERS