

IMPERIAL AQUA K CERAMIC FILTER



12.5cm D x 29cm W x 36cm H

Filters

- **Imperial Aqua K Ceramic Filter**
- Comprised of two filters that can be fitted under the kitchen sink, this compact unit will safeguard against a wide range of Bacteria, Giardia and Cryptosporidium cysts, Worms, as well as an impressive range of Agricultural Chemicals, Carcinogens, Chlorine and Heavy Metals.
- **There is a choice of 2 prefilters to prolong the life of the ceramic cartridge:**
 - 5 micron sediment filter for dirty or rusty water or
 - Carbon for cleaner water subject to smell / taste, chlorine, chemicals.

The heart of the Imperial Aqua K is the Doulton Ultracarb® ceramic cartridge.

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

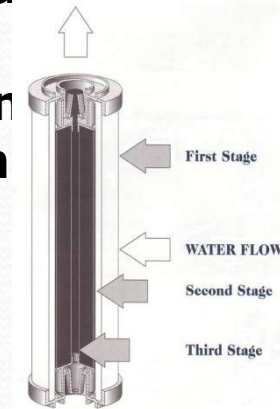
Doulton Ultracarb®

- Each ceramic cartridge capacity is rated for 3750 litres.
- Fits industry standard 10" filter housing.
- 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 of >99.999%.
- High levels of Chlorine and organics removal
- Lead and other heavy metal reduction



Ceramic Cartridges

The Doulton Ultracarb® is a three stage cartridge combining the highly efficient filtration properties of ceramic water treatment properties of activated carbon metal reduction capabilities of ion exchange m



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:

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

Third Stage:

- Ion exchange resin reduces **Lead** and other heavy metals.

Specifications

The Doulton Ultracarb ceramic cartridge:

- Filters to W.H.O. Standards, (greater than 99.999% bacteria and cysts removal).
- The only ceramic cartridge world-wide to fully comply with ISO9002 and also NSF#42 (chlorine, taste & odour) and NSF#53 Class 1 (health effects).
- Safeguards from Bacteria, Cysts, Worms, Chlorine and a wide range of other chemical contaminants and heavy metals. Chlorine reduction 99.9%.
- The very fine pore size of the Doulton Ceramic incorporated with the silver element guarantees bacteria will not breed and multiply in the cartridge, (often the case with just a carbon cartridge alone).
- Delivers an unlimited supply of safeguarded water at up to 2 litres per minute.
- Is easily installed with clear instructions and simple maintenance.
- Embodies the quality and reputation of Doulton (UK) as the Manufacturer of Ceramic cartridges.

Filtration Efficiency

Absolute filtration rating	(Defined as >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%

Carbon filters versus Ceramic

Consumer' magazine contracted ESR laboratories to test seven carbon filters
They report under the heading '**Removing Bacteria**':

- You can't and shouldn't use carbon filters to remove bacteria from water. If you do, you may well end up with water that is even more contaminated than it was when you started.
- The reason is simple. Each time a filter is used, some water remains in the carbon. Any bacteria in the water will also remain, along with organic substances that also get trapped in the filter. The bacteria feed off the organic material, growing and reproducing very happily in the moist dark environment during the "resting" time when the filter is not in use. The filter has removed the chlorine which could have killed the bacteria.
- When you next use the filter its important to "flush" the filter for a short time before you use it. This will wash out a lot of the bacteria, although some will remain ready to grow again in the next resting phase.
- To their credit, none of the filters in the test claimed to remove bacteria. All except one claimed to be "bacteriostatic", which means the growth of bacteria within the filter is reduced.
- **As expected, the filters did not remove all bacteria from the water. When left unused for two days, all grew bacteria within the filter.**

Installation of Aqua K

- **The photo shows two alternate intake points**
- **Onto the pipe delivering water to the usual kitchen tap or**
- **Onto a provided fitting placed between the tap and the hose for the dishwasher.**
- **Your water will be clean and clear, taste wonderful and be absolutely safe. This cannot be achieved by a simple carbon filter alone.**
- **A range of faucets are available.**



Maintenance Requirements

- 1 x carbon filter – for taste/smell. Typically changed 6 monthly
or
1 x sediment filter – changed when discoloured
- 1 x Ultracarb ceramic filter – Rated good for 3750 Litres.
Can also be taken out and lightly scrubbed to prolong the life.
Typically changed Annually based on Average usage of 10 litres per day =
3650 Litres
- These filters are available from our Warehouse in Christchurch.
- Sue Kelly Water Systems Ltd provides a computer-generated Maintenance service for all clients – couriering the required filters to you as required.

Booster Pump

For Low Pressure/Gravity fed systems.

- Requires minimum of 10psi. At 20psi delivers approx 2 LPM
- The Booster Pump is easily installed using push fit fittings and a standard 3 pin plug.



Client Comments

- 'Just love our clean water and are very pleased with the system'. **R&E Christchurch**
- 'Thanks for your patience and advice while we decided on what water filter system we required and thanks for the prompt delivery. The water tastes great – as in absolutely no taste whatsoever. I won't miss having to boil all our drinking water. It is certainly a very professional and customer friendly service you provide'. **P&W Hamilton**
- 'The filter is working well, last test showed no 'bugs'! Thank you again'. **KP Leeston**
- 'We only got the water filter installed yesterday. However yesterday afternoon and today we have thoroughly enjoyed drinking the high quality water that comes with using your water filter system. Once again Thanks'. **LT Ashburton**
- 'We were both impressed with your service and product knowledge from the time I phoned to enquire about the Water Systems right until we made the purchase. We are enjoying drinking fresh clean chemical and pesticide free water!
J&A, Kaikoura
- Hi Sue "Your service has been wonderful - from my initial enquiry to installation. Your explanation of the pros and cons of the various water filters we were looking at was comprehensive, the add-ons you provided to assist with installation, the speed of response to my request for assistance in locating an installer to cut a hole in the bench top, and friendly service made our experience very pleasant and trouble-free. We have been enjoying champagne water since. We will most certainly recommend your company to others we can persuade to try chlorine-free water.
MF Christchurch
- Thank you Sue Kelly for an outstanding service. We are thrilled with both the shower head and the under sink water filter system. The water is beautiful to drink and we know it is healthy! Would highly recommend you to anyone.
A&G S Christchurch
- Hi Sue, Thank you for your prompt, friendly and efficient service it is much appreciated. After ordering a water filter from you we were delighted to have it delivered and installed within 3 days! Not only that our water now tastes wonderful. Thank you for a job well done. A big thank you to Sue Kelly Water Systems. Regards **JH Pegasus**
- The service was great - very quick delivery of filters etc. and great advice was given on what treatment was needed .It was good to talk to a company that knows what they are talking about when come to the treatment of water. Thank you very much Sue **JC Waimate**



Sue Kelly

Water Systems Ltd

- For any further enquiries or information please contact:
- Sue Kelly
- Free Phone: 0800 177 000
- Email: sue@suekelly.co.nz