

Doulton Super Sterasyl Ceramic Filter



These filters need to be replaced every 2000 litres of water filtered or 12 months whichever comes first.

This filter will fit all **Southern Cross Pottery** models as well as most other brands with single filter chambers including DURAND, STEFANI, POZZANI and WATERCO.

Dimensions: height 127mm (5 inches) - width 67 mm (2.5 inches). Thread size 11mm

- **Highly Effective Barrier To Particles and Pathogens** - a pore structure down to 0.2 microns to offer maximum protection. 99.99% plus filtration of bacteria, cysts and particles. Suitable for use on all alternative and town water supplies.
- **Long Life / Long Term Value** - Test results guarantee removal for 2,000 Litres and the ceramic surface of the filters can be easily cleaned.
- **Natural** - The ceramic is made from 100% natural earths and uses coconut shell activated carbon.
- **Minerals Maintained** - the filters do not remove those minerals from the water which are beneficial to health.
- **Enhanced Anti-bacterial Properties** - Silver impregnated ceramic walls makes these filters superior to other ceramic filters and prevents microbiological growth.
- **Humanitarian Aid** - This filter is used by military, aid/relief organizations, and missionaries around the world.
- **No Power Required / No Water Wastage** - Cost effective to run and environmentally friendly. Healthy water that doesn't cost the earth!

Over a million filters sell each year in over 150 countries around the globe, where Doulton is a household name synonymous with clean, healthy drinking water.

Consider the rest then go with the best!

How it works: Simply add water to the filter container, which sits inside the main storage container. Under the force of **gravity** the water first passes through the **micro porous** ceramic walls of the filter. The inside of the walls of the Doulton filter are impregnated with silver. **The silver acts as a natural biocide** to keep the water inside your filter, and also your stored water, pure. Then the water passes through the **activated carbon** filled core of the filter. From there it drips into the storage container at the bottom.

WHAT IS Super Sterasyl®?

The Sterasyl® ceramic is filled with granular activated carbon to produce the Super Sterasyl™ filter element. Among other things, activated carbon is very effective at removing chlorine and organics from water.

Super Sterasyl® uses granular activated carbon instead of an activated carbon block in order to give superior flow rates in a gravity filter.

Supersterasyl membrane: (candle and cartridge form): Used for microbiological removal. The only ceramic element in the world to meet the stringent NSF antimony and arsenic extraction test featuring:

- >99.99% E.coli removal

- Tested with **live Cryptosporidium cyst** to 100% removal far exceeding EPA three log cyst reduction requirements
- 100% efficiency at 0.9 µm absolute (0.5 µm absolute ANSI standard)
- > 98% efficiency at 0.2 µm
- > 90% efficiency at 0.05 µm
- < 0.07 NTU turbidity reduction

How Activated Carbon Works to Filter Your Water

Activated carbon or AC, works by attracting and holding certain chemicals as water passes through it. AC is a highly porous material, therefore it has an extremely high surface area for contaminant adsorption. (Adsorption is the phenomenon whereby molecules adhere to a surface with which they come in contact with. When water containing soluble organic materials comes into contact with the granular activated carbon it selectively removes these materials by adsorption.)

AC is made of tiny clusters of carbon atoms stacked upon one another. The carbon source is a variety of materials such as peanut and coconut shells or coal. The raw carbon source is slowly heated in the absence of air to produce a high carbon material. The carbon is activated by passing oxidizing gases through the material at extremely high temperatures. The activation process produces the pores that result in such a high adsorptive rate.

LABORATORY TEST RESULTS SHOW THESE FILTERS ARE VERY EFFICIENT AT REMOVING IMPURITIES SUCH AS CHLORINE, BACTERIA, AMOEBAS, SUSPENDED SOLIDS, ORGANIC PESTICIDES, SOME HEAVY METALS, BAD TASTES AND SMELLS. THEY WILL REMOVE 99.99% OF GIARDIA AND CRYPTOSPORIDIUM.

- 98% Suspended Solids
- 99.999% of Giardia
- 99.999% of Cryptosporidium

Particulate Reduction

- 0.9micron>99.99%
- 0.5micron>99.9%
- 0.2micron>98%

Please note - Higher levels of chlorine, chemical contamination, or sediment, will slightly shorten the life of the filters.

Doulton's Extensive Development Laboratories are continually setting new standards in water quality throughout the world. Their commitment to quality has been demonstrated by achieving ISO 9002* certification, tested and approved by:

- The British Standard 5750
- The World Health Organization
- Department of Health (Toronto, Ontario)
- Water Research Council (London, England)
- University of Arizona (USA)
- Spectrum Labs (Minneapolis, USA)
- WRC (Buckingham Shire, England)
- National Sanitation Foundation (Standards 42 & 53, USA)
- Hyder Labs, Cheshire England
- Loughborough University, England
- Thresh, Beale & Suckling Laboratories, England.
- Clare Microbiological Laboratories, England
- Severn Trent Laboratories, England
- And Many Other Independent Laboratories Worldwide

* ISO, based in Switzerland, is an international agency that set standards for product manufacturing procedures and processes. Doulton is an ISO 9000 accredited company. As such, it undergoes regular audits by this authority in order to retain its accreditation. Doulton customers

throughout the world, are therefore guaranteed a consistent supply of first class, quality assured products.