

Neat and compact, the Royal Doulton Countertop Single water filtration system is a cost effective solution to ensure pure, clean drinking water, free from chlorine, lead, bacteria and parasites. Connection is simple, taking only seconds - easily fitting all standard aerated taps. The unit comes with an internal adapter giving the option for both external and internal threads, making it ideal for rental apartments, students and travellers. Supplied with the Royal Doulton Ultracarb, the highest quality cartridge available.

With the Royal Doulton Countertop Single you will be guaranteed microbiologically safe drinking water.



Filtration Process

The Doulton Ultracarb filter 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.

Stage 1:

The Doulton Sterasyl ceramic provides genuine absolute sub micron filtration, reducing fine particulate matter, bacteria, cysts and turbidity. The incorporation of silver, locked within the ceramic structure, gives enhanced bacteriostatic and self sterilising properties.

Stage 2:

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

Stage 3:

Ion exchange resin reduces lead, copper, aluminium and other heavy metals.

Features

- ◆ Dimensions: 320 H x 160 W (mm)
- ◆ Flow Rate: 3 litres per minute
- ◆ Filter Output: 5,000 litres
- ◆ Contact Time: 30 sec (approx) at a litre per minute flow rate through 25 cm of compressed granulated carbon
- ◆ Replacement: 5 years on materials and workmanship, exclusive of replacement cartridges
- ◆ Can be scrubbed many times - extending the ceramic cartridge life

Effectively Removes

- | | |
|-------------------|----------------|
| ✓ Algae | ✓ Giardia |
| ✓ Aluminium | ✓ Heavy Metals |
| ✓ Ammonia | ✓ Herbicides |
| ✓ Bacteria | ✓ Lead |
| ✓ Cadmium | ✓ Mercury |
| ✓ Chlorine | ✓ Pesticides |
| ✓ Chloroform | ✓ Rust & Dirt |
| ✓ Cryptosporidium | |

The exceptional performance of the Royal Doulton Ceramic Cartridge has been tested and certified by various testing laboratories around the world (see lab. reports). All filters should be installed on cold water lines only.

Distributed by:

NO: HC109138

METHOD(S) USED

1. The submitted **Ultracarb Countertop** Drinking Water System was flushed for 15 minutes with distilled water to remove any loose particles.
2. Samples of synthetic water with pre-determined level of bacteria (E.coli), residual chlorine, metals (iron, lead, manganese, cadmium, copper, mercury, aluminum, & zinc), and Trihalomethane (THM) (Bromodichloromethane, Bromoform, Chloroform & Dibromochloromethane) were prepared.
3. The prepared synthetic water was allowed to run through the submitted water filter and the effluent from the filter was collected.
4. The contents of all effluent were determined with reference to:
 - a. APHA 18ed 9215 A and B
 - b. HACH Colorimetry
 - c. APHA 20ed 3120 B
 - d. Purge & Trap Technique followed by Gas Chromatographic/Mass Selective Detection.

TEST RESULT(S)

| | Before Filtering | After Filtering | % Reduction |
|-------------------------------------|------------------|-----------------|-------------|
| a. Count of Escherichia coli | 930,000 CFU/ml | 0 CFU/ml | 100.0 |
| b. Residual chlorine content | 61.0 mg/L | <0.05 mg/L | 99.9 |
| c. Metals | | | |
| Iron | 16.70 mg/l | <0.01 mg/L | 99.9 |
| Lead | 15.50 mg/L | <0.01 mg/L | 99.9 |
| Manganese | 14.26 mg/L | <0.01 mg/L | 99.9 |
| Cadium | 13.94 mg/L | <0.001 mg/L | 99.9 |
| Copper | 14.10 mg/L | <0.01 mg/L | 99.9 |
| Mercury | 10.13 mg/L | <0.005 mg/L | 99.9 |
| Aluminum | 17.04 mg/L | 0.22 mg/L | 98.7 |
| Zinc | 14.76 mg/L | <0.04 mg/L | 99.7 |
| d. Trihalomethane (THM) | | | |
| Bromodichloromethane | 99 mg/L | <0.7 mg/L | 99.3 |
| Bromoform | 100 mg/L | <0.7 mg/L | 99.3 |
| Chloroform | 130 mg/L | <0.7 mg/L | 99.5 |
| Dibromochloromethane | 99 mg/L | <0.7 mg/L | 99.3 |

Notes:

< denotes less than

CFU/ml denotes Colony Forming Unit per millilitre

Mg/L denotes milligram per Litre

mg/L denotes microgram per Litre