

British Berkefeld® SS2 Gravity Filter System Product Data Sheet



Model No. **SS2 Ultra Sterasyl Gravity Filter System 8.5L (2.25USG)**

Unit Description:

British Berkefeld® SS2 gravity filter system complete with two Ultra Sterasyl filter elements.

General Performance:

The British Berkefeld® SS2 Ultra Sterasyl gravity system is fitted with 2 Ultra Sterasyl filter elements and provides the user with a portable device capable of reducing cysts, turbidity and particles contained within a water supply.

The gravity system consists of two stainless steel containers, the upper container is filled with untreated water which then filters down through the two Ultra Sterasyl filter elements down into the bottom chamber. Please note: the water flow rate is affected by the quality of the water supply.

During use, contaminants filtered from the water may build up on the outer surface of the ceramic cartridge and cause a reduction in flow through the system. The filter elements will, therefore, need removing periodically for cleaning to restore the flow.

Cleaning frequency will be dependent on the quality of the water supply. A filter element that has reached the end of its life would be indicated by a reduction in the quality of the filtered water.

The filter elements should be replaced in accordance with the rated service capacity, which would typically give a period of six months usage.

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

Parts and Service Availability:

For sales, service and replacement parts please contact your local Doulton® distributor.

General Product Data:

Rated capacity per filter element: 1500 litres (400 USG.)

Maximum Operating Temperature: 30 °C (86 °F)

Minimum Operating Temperature: 5 °C (41 °F)



System Tested and Certified by NSF International against NSF/ANSI Standards 42 and 53 for the reduction of claims specified on the Performance Data Sheet, and NSF/ANSI 372.

British Berkefeld® SS2 Ultra Sterasyl Gravity Filter System Performance/Test Data

Test Parameter Permissible Effluent	EPA MCL	Influent	Av. Challenge	Max. Effluent	% Reduction Effluent	Reduction (Av/Min)	Max Requirement
Cyst (live cryptosporidium parvum)	99.95%	≥50,000/L	<1/L	<1/L	>99.99%/>99.99%	≥99.95% Pass	/
Particulate (particles 0.5 – 1µm)	N/A	≥10,000/ml	3,802/ml	15,000/ml	>99.9%/99.1%	≥ 85% Class 1	/
Turbidity (NTU)	1NTU	11+/- 1NTU	0.1NTU	0.1NTU	99.1%/98.6%	N/A	≤0.5NTU

This system has been tested according to NSF/ANSI 42 and 53 for reduction of the substances above.

The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system as specified in NSF/ANSI Standards 42 and 53.

Installation, Operation and Maintenance:

Detailed installation and operating instructions are provided with each filter system supplied. For general guidance, however, the main points are summarized below:

1. Extreme cleanliness is important. Please wash the metal and plastic filter parts with hot soapy water, rinse with clean water and dry before assembly and each time the filter elements are cleaned or replaced. Take care to ensure that no contamination of the components occurs during assembly and cleaning.
2. Once the filter system has been assembled, the filter element needs to be conditioned. Carefully fill the upper chamber with cold water to just below the rim of the top chamber and place the lid in position. CARE MUST BE TAKEN AT ALL TIMES TO AVOID SPILLAGE OF UNFILTERED WATER DOWN THE OUTSIDE OF THE FILTER HOUSING. IF SPILLAGE OCCURS PLEASE WIPE AWAY IMMEDIATELY TO AVOID POTENTIAL CONTAMINATION OF YOUR FILTERED WATER IN THE BOTTOM CHAMBER. Allow all of the water from the top chamber to filter through. Our filter is made of a special ceramic and contains carbon granules; this means black particles may be visible when water filters through for the first time. Discard this first filtered water, wipe the inside and outside of the lower chamber with a clean cloth to remove any dust particles. Repeat the process and run at least 1 litre of water to waste per fitted filter, and continue running until the water runs clear the filter is now ready for use. The maximum flow rate will be achieved once the ceramic filter elements have become fully saturated - usually after the filtering of 2-3 full chambers of water. The top chamber can be replenished with more water as required, avoid overfilling.

3. The filter elements are designed so that they can be removed for cleaning in order to maintain the flow rate of the water at a desired level. See installation instructions for full details. Cleaning is a simple operation. The surface of the filter elements can be scrubbed with a stiff brush to remove any particulate build up before the elements are re-installed.

Warranty:

Fairey Industrial Ceramics Limited warrant all parts against manufacturing defects for a period of twelve months from the date of purchase.

Certification:

Tested and Certified to NSF/ANSI International Standards 42 & 53 for the following:

- Nominal Particulate reduction, Class 1;
- Turbidity reduction;
- Cyst reduction (including Giardia and live Cryptosporidium);

Do not use where water is microbiologically unsafe or of unknown quality without adequate disinfection before or after the systems.

Systems Certified for Cyst Reduction may be used on disinfected water that may contain filterable Cysts.

The substances reduced by this device are not necessarily in your water and while testing was performed under standard laboratory conditions, actual performance may vary.

Replacement Parts:

The replacement parts for this system are Ultra Sterasyl elements (Part No. W9121226).

Only use genuine British Berkefeld® replacement elements to ensure optimum filter performance.

LEGAL DISCLAIMER.

In the absence of any negligence or other breach of duty by us, the installation and use of this product is entirely at your own risk. You must at all times observe and comply with our instructions (whether set out in the appliance manual or otherwise) relating to the installation and use of this product. We will not be liable nor responsible to you for any loss or damage, legal disputes or conflicts of interests and other adverse events you suffer as a result of your failure to observe or comply with our instructions or otherwise results from your misuse or irresponsible or negligent use of the product or as a result of any events outside of our control. To the maximum extent permitted by any applicable laws, we make no warranty, representation or guarantee (whether express, implied or otherwise) regarding the fitness, merchantability, or suitability of this product for any unreasonable or unforeseeable purpose. This disclaimer does not affect your statutory consumer rights or otherwise restrict or limit any liability that we cannot lawfully exclude under any applicable laws.

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British Berkefeld® is a trademark registered to Fairey Industrial Ceramics Limited.



British Berkefeld® SS2 Ultra Sterasyl Drinking Water Filter



Assembly, Operating and Maintenance Instructions

The SS2 Drinking Water Filter:

- is designed to be free standing on a stable surface
- is fitted with 2 Ultra Sterasyl ceramic filter elements
- should only be used for the treatment of cold water
- Extreme cleanliness is important. Please wash the metal and plastic filter parts with hot soapy water, rinse with clean water and dry before assembly and each time the filter elements are cleaned or replaced. Take care to ensure that no contamination of the components occurs during assembly and cleaning.
- DO NOT WASH THE CERAMIC FILTER ELEMENTS BEFORE USE.
- Wear rubber gloves or wash hands well before and after handling the product.
- Please see product data sheet for parts and service availability

IMPORTANT NOTE:

Please check the carton contents thoroughly, the wingnuts, washers and tap assembly are bagged together.



System Tested and Certified by NSF International against NSF/ANSI Standard 42 and 53 for the reduction of claims specified on the Performance Data Sheet, and NSF/ANSI 372.

Replacement Filter Elements: Ultra Sterasyl - Part No W9121226
Maximum Operating Temperature: 30°C (86°F)
Minimum Operating Temperature: 5°C (41°F)
Rated Capacity: 1500 L (400 usg)

Do not use where water is microbiologically unsafe or of unknown quality without adequate disinfection before or after the systems. Systems certified for Cyst reduction may be used on disinfected water that may contain filterable cysts.

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1. Tap Assembly:

Remove the plastic nut. Moisten both rubber washers with clean water
Place one washer over the threaded part of the tap and then insert the threaded part through the hole in the side of the bottom chamber as illustrated.

Replace the second rubber washer onto the thread protruding through to the inside of the bottom chamber and secure the tap in place with the nut. To achieve a tighter seal, hold the outlet tap until the nut is hand tight.

Then hold the nut and tighten the assembly by rotating the tap body through at least a quarter turn to reach the upright position.

2-3. Ceramic & Filter Housing Assembly:

Fit the knob onto the lid by inserting the screw up through the hole in the lid and screwing on the knob, hand tighten only.

Remove all protective packaging from the filter elements.

Place a sealing washer over each filter element mount stem.

Place each filter element mount stem through the holes in the base of the top chamber.

Secure each filter element in place by screwing a wing nut onto the threaded stem protruding through the holes.

4. Filter Operation:

Put the top chamber onto the bottom chamber. Ensure the outlet tap is in the "off" position. Carefully fill the upper chamber with cold water to just below the rim of the top chamber and place the lid in position.

CARE MUST BE TAKEN AT ALL TIMES TO AVOID SPILLAGE OF UNFILTERED WATER DOWN THE OUTSIDE OF THE FILTER HOUSING. IF SPILLAGE OCCURS PLEASE WIPE AWAY IMMEDIATELY TO AVOID POTENTIAL CONTAMINATION OF YOUR FILTERED WATER IN THE BOTTOM CHAMBER.

Allow all of the water from the top chamber to filter through. Our filter is made of a special ceramic and contains carbon granules; this means black particles may be visible when water filters through for the first time. Discard this first filtered water, wipe the inside and outside of the lower chamber with a clean cloth to remove any dust particles. Repeat the process and run at least 1 litre of water to waste per fitted filter, and continue running until the water runs clear, the filter is now ready for use.

The maximum flow rate will be achieved once the ceramic filter elements have become fully saturated - usually after the filtering of 2-3 full chambers of water.

The top chamber can be replenished with more water as required, avoid overfilling.

5. Ceramic Filter Element Cleaning:

Due to filtration of particulate contaminants from the water during use, the flow of the water from the filter may reduce over a period of time, depending on the quality of the water. To restore the water flow to its normal level, simply clean the filter elements as follows: Remove the elements from the top chamber by unscrewing the wing nuts.

Hold the filter elements in a bowl of water or under running water. To avoid contamination of the open ended plastic threaded mount, take care to ensure that the mount is always clear of the water.

NEVER USE SOAP OR DETERGENTS ON THE CERAMIC.

Take a soft bristle brush or lightly abrasive pad and cup it around the circumference of the filter element.

Apply a gentle pressure with the brush or pad and slowly work down the length of each filter element once, ensuring the cleaning is even over the whole filter element surface. Once clean, carefully place the ceramics to one side ensuring that the plastic part of the filter is free from contamination, whilst the housing, filter element washers and wingnuts are cleaned.

See 'Cleaning the Housing'.

6. Cleaning The Housing:

Periodically you need to clean the housing. Wear rubber gloves or wash hands well before and after handling the product, taking care to avoid contamination of the components at all times.

With the filter elements removed, wash the top and bottom chambers of the housing, and assembly components including filter element, tap washers and wingnuts.

Use hot soapy water, and rinse with clean water and dry thoroughly before assembling per the above assembly instructions with cleaned or new filter elements.

Refill the top chamber and replace the lid.

If you have fitted new filter elements, please follow the 'Filter Operation' instructions to condition the ceramic ready for use.

If you are refitting cleaned filter elements, allow 1 litre of water per filter to run to waste, then the filter is ready for use.

LEGAL DISCLAIMER.

In the absence of any negligence or other breach of duty by us, the installation and use of this product is entirely at your own risk. You must at all times observe and comply with our instructions (whether set out in the appliance manual or otherwise) relating to the installation and use of this product. We will not be liable nor responsible to you for any loss or damage, legal disputes or conflicts of interests and other adverse events you suffer as a result of your failure to observe or comply with our instructions or otherwise results from your misuse or irresponsible or negligent use of the product or as a result of any events outside of our control. To the maximum extent permitted by any applicable laws, we make no warranty, representation or guarantee (whether express, implied or otherwise) regarding the fitness, merchantability, or suitability of this product for any unreasonable or unforeseeable purpose. This disclaimer does not affect your statutory consumer rights or otherwise restrict or limit any liability that we cannot lawfully exclude under any applicable laws.

