



HIP Drinking Water Filter Product Data Sheet

Model No. **HIP/Ultracarb® Inline**

Unit Description:

Doulton® HIP filter unit complete with Ultracarb® cartridge.

General Performance:

The HIP INLINE slimline filter housing fitted with an Ultracarb® filter element provides the user with a point of use device capable of reducing cysts, turbidity and particles contained within a water supply.

The Ultracarb® element utilises advanced carbon technology to reduce Chlorine (taste and odours) and improve taste. The incorporation of a heavy metal scavenging compound efficiently reduces lead. 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 unit. The cartridge will, therefore, need removing periodically for cleaning to restore the flow. Cleaning frequency will be dependent on the condition of the incoming water.

A cartridge that has reached the end of its life would be indicated by a reduction in the quality of the filtered water with respect to taste.

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

Manufactured by:

Fairey Industrial Ceramics Limited. Newcastle, Staffs, ST5 9BT. England.

Telephone No. 44-1782-664420

Fax No. 44-1782-664490

Website: www.faireyceramics.com

Parts and Service Availability:

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

General Product Data:

Rated service flow	1.9litres/min (0.5 g/min.)
Rated capacity	2300 litres (600 galls.)
Maximum operating pressure	689 kPa (100 psig.)*
Maximum operating temperature	30°C (86°F)
Minimum operating pressure	69 kPa (10 psig)
Minimum operating temperature	5°C (41°F)

* See specific pressure information overleaf



System Tested and Certified by NSF International against NSF/ANSI Standards 42 and 53 for the reduction claims in the Performance Claims Table below and on the Performance Data Sheet.

HIP Ultracarb® Inline Performance/Test Data

Test Parameter	EPA MCL	Influent Challenge	Av. Effluent	Max. Effluent	% Reduction (Av/Min)	Reduction Requirement	Max Permissible Effluent
Chlorine (Taste & Odour only)	N/A	2.0 mg/L +/- 10%	0.08 ppm	0.18 ppm	96.3% /91.6%	>50%	/
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	7,350/ml	20,000/ml	99.9%/99.8%	≥ 85% Class 1	/
Turbidity (NTU)	1 NTU	11+/- 1 NTU	0.1 NTU	0.2 NTU	98.9%/98.3%	N/A	≤0.5 NTU
Lead (6.5pH)	0.015 ppm	0.15 mg/L +/- 10%	<0.001 ppm	<0.001 ppm	>99.3%/>99.3%	N/A	≤0.01 ppm
Lead (8.5pH)	0.015 ppm	0.15 mg/L +/- 10%	0.001 ppm	0.002 ppm	99.2%/99.2%	N/A	≤0.01 ppm

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. Tested at Rated Flow; Pressure = 60 psig; pH = 7.5±1; Temp. 10-25°C

Installation, Operation and Maintenance:

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

- 1 It is important that local laws and regulations are observed and that fittings comply with such regulations. The filter is to be installed on a cold water line only.
**N.B. State of Ma. Follow Mass plumbing code.
A licensed plumber is required.**
- 2 For easy servicing of the filter, there should be at least four inches of space below the filter body to allow for removal of the cartridge.
- 3 When the filter is installed, to ensure that the filter is conditioned to the local water supply, the filter should be flushed for a minimum of 10 minutes, and allowed to stand for 24 hours with a further short flush (10 minutes) of water to waste, after which the filter will be ready to perform at its very best.
- 4 The filter is designed so that the cartridge can be reduced for cleaning or replacement by isolating the water supply and unscrewing the cartridge. Cleaning is a simple operation. The surface of the cartridge can be scrubbed with a stiff brush to restore the flow. Re-installation can be carried out by screwing the cartridge into the cap.

*Pressure information

The unit has satisfied the NSF std 53 structural test criteria. However, due to the potential wide variations of pressures from one installation to another the manufacturer advises that if there is any doubt that the system would see pressures above 100 psig (6.9 bar) then an approved pressure reducing valve set at 100 psig (6.9 bar) should be installed upstream of the filter to eliminate any extreme variations in pressure.

Water fittings for use in permanently pressurised systems may have a finite life. It is important that the plastic components in the system are replaced after 10 years usage.



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Doulton® and Ultracarb® are trademarks registered to Fairey Industrial Ceramics Ltd..

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:

- Chlorine reduction; Taste and Odour;
- Nominal Particulate reduction, Class I;
- Turbidity reduction;
- Cyst reduction (including Giardia and live Cryptosporidium);
- Lead reduction

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 unit are Ultracarb® elements (Part No. W9123053).

Estimated cost is \$99.

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

Seller: _____

Purchaser: _____