Water Filter

Doulton.

QT Inline Drinking Water Filter

Product Data Sheet

Model No. **QT Supercarb® Inline**

Unit Description:

Doulton® QT Inline filter unit complete with Supercarb® cartridge.

General Performance:

The QT Inline filter housing fitted with a Supercarb® filter element provides the user with a point of use device capable of reducing cysts, turbidity and particles contained within a water supply.

The Supercarb® element utilises advanced carbon technology to reduce Chlorine (taste and odours) and improve taste.

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.

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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	3800 litres (1000 galls.)
Maximum operating pressure	620 kPa (90 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

NSF

System Tested and Certified by NSF International against NSF/ANSI Standards 42 and 53 for the reduction of the substances listed below.

QT Supercarb® 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%	0.05 ppm	0.06 ppm	97.5%/97.1%	>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

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 removed for cleaning or replacement by disengaging the filter body from the head and unscrewing the cartridge. See installation instructions for full details. 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 and following steps 10-15 of the installation instructions.

*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 90 psig (6 bar) then an approved pressure reducing valve set at 90 psig (6 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 Supercarb® are trademarks registered to Fairey Industrial Ceramics Limited.

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 1;
- Turbidity reduction;
- Cyst reduction (including Giardia and live Crytosporidium)

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 Supercarb® elements (Part No. W9122021).

Estimated cost is $99.

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

Seller: _____

Purchaser: _____

When leaving on Vacation and To Winterize the Unit

If you plan to be away from home for extended periods, or the filter housing may be subject to the risk of freezing, shut off the main water supply then carry out stages 19-20 and then follow stages 10-12 of the installation instructions (servicing the filter). When the risk of freezing subsides and you wish to use the system again turn on the main water supply and carry out stages 13-17.

PLEASE NOTE: Allowing the unit to freeze will invalidate the product warranty.