

Healthy water, healthy life.



RIO 2000

High Flow Multi Candle Filter module

- High flow, compact filtration for the home and light commercial applications
- The Rio 2000 filter module offers a superior flow rate of up to 400 gallons (1500 litres) per hour at 58 psi (4 bar) pressure*
- Upgrade your system - The Rio 2000 filter module fits most industry standard jumbo 10" 'Big Blue' type filter housings
- Doulton® ceramics filter out:
 - Pathogenic bacteria (E-coli, Cholera, Typhoid, Salmonella, etc.)
 - Cysts (Cryptosporidium, Giardia, etc.)
 - Sub micron particle contamination
 - Turbidity

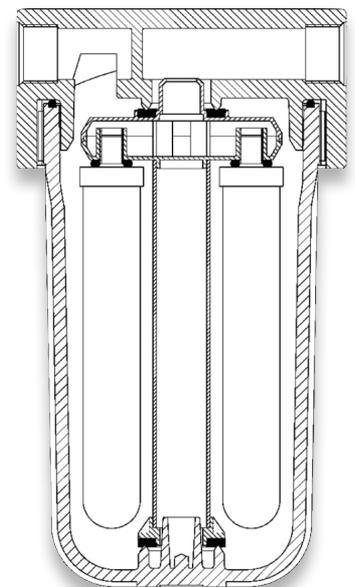
* Depending upon water quality and fittings used



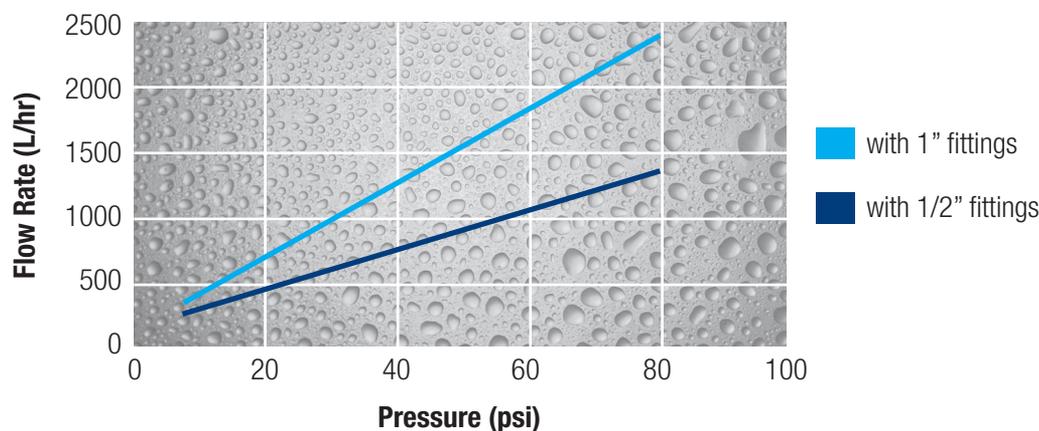
Technical specifications

Model	RIO 2000 Multi Candle filter module
Typical output*	Up to 400 US gallons (1500 litres) per hour
Filtration rating (Absolute). Defined as >99.99%	0.9 microns
Filtration rating (Nominal). Defined as >99.9%	0.5 to 0.8 microns

* Measured at 58 psi (4 bar). Output will alter dependent on pressure and condition of water.



Typical flow rates using Sterasyl® candles



- The RIO 2000 Multi Candle module comprises 6 bespoke Sterasyl® candles, Ø 32mm (1.2") x 200mm (8") long.



RIO 2000 Typical Application

Typical Pressure Drop

7 psi (0.5 Bar)

36 psi (2.5 Bar)

Incoming unfiltered water supply



Outlet to drinking water faucets or additional water treatment units if required

5 micron pre filter, paper pleated in 10" or 20" jumbo housing, depending on flow requirements.

Catches coarse sediment.

GAC or carbon block cartridge in 10" or 20" jumbo housing to reduce chlorine taste and odour.

Improves taste and odour of water.

Rio 2000 module in 10" jumbo housing to reduce turbidity, bacteria and cysts.

Polishes water to high potable standard.

Stage 1 Pre Filtration

A pre-filter stage should be installed to protect the RIO 2000 module from premature blocking. Typical pre-filter rating would be 5 micron (depending on sediment loading) and a 20 inch filter is recommended to reduce change frequency.

Stage 2 Chlorine Removal

If the incoming supply is chlorinated then a GAC or carbon block cartridge should be considered to remove chlorine in order to improve the taste and odour of the water. Again a 20 inch cartridge will reduce the change frequency.

Stage 3 Turbidity, Bacteria & Cyst Reduction

Using the RIO 2000 in a 10 inch jumbo 'Big Blue' housing reduces turbidity, bacteria, cysts and sub-micron particles from the water producing high quality potable water.

Stage 4 Outlet to Drinking Water Faucet or Additional Water Treatment

Water is either now suitable for drinking or for feeding into additional water treatment systems (e.g. for removal of dissolved solids by reverse osmosis or other technology).

Manufactured by:

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Certifications held by Fairey Industrial Ceramics Limited, see website for full details.

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Independently tested, see website for full technical and performance specifications and product availability. State restrictions may limit the availability of certain products in California, Iowa and Wisconsin.

