RIO 2000 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

<table>
<thead>
<tr>
<th>Model</th>
<th>RIO 2000 Multi Candle filter module</th>
</tr>
</thead>
<tbody>
<tr>
<td>Typical output*</td>
<td>Up to 400 US gallons (1500 litres) per hour</td>
</tr>
<tr>
<td>Filtration rating (Absolute). Defined as &gt;99.99%</td>
<td>0.9 microns</td>
</tr>
<tr>
<td>Filtration rating (Nominal). Defined as &gt;99.9%</td>
<td>0.5 to 0.8 microns</td>
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*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.

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RIO 2000 Typical Application

Typical Pressure Drop

<table>
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<tr>
<th>Stage</th>
<th>Pre Filtration</th>
<th>Chlorine Removal</th>
<th>Turbidity, Bacteria &amp; Cyst Reduction</th>
<th>Outlet to Drinking Water Faucet or Additional Water Treatment</th>
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</thead>
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<tr>
<td>Stage</td>
<td>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.</td>
<td>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.</td>
<td>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.</td>
<td>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).</td>
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</table>

5 micron pre filter, paper pleated in 10" or 20" jumbo housing, depending on flow requirements.  
GAC or carbon block cartridge in 10" or 20" jumbo housing to reduce chlorine taste and odour.  
Rio 2000 module in 10" jumbo housing to reduce turbidity, bacteria and cysts.  
Outlet to drinking water faucets or additional water treatment units if required

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.