High-tech filtration
RTM HF
Side Filters

RTM HF 500
RTM HF 610 A / B
RTM HF 760
RTM HF 920

RTM CS
Side Filters

RTM CS 500
RTM CS 610 A / B
RTM CS 760
RTM CS 920

RTM CT
Top Filters

RTM CT 500
RTM CT 610 A / B
RTM CT 760
RTM CT 920
LOW PRESSURE INJECTION TECHNOLOGY
• Low pressure injection moulding
• Resin Transfer Moulding

HIGH TECHNOLOGY
• High quality finish
• Regular composite thickness
• Perfectly smooth inner and outer surfaces

CONTROLLED AUTOMATED PRODUCTION
• Irreproachable reproducibility

PRESSURE RESISTANCE
• Maximum operating pressure (according to NF P 90 319): 2 bar

A FILTER DESIGNED WITH PROFESSIONALS IN MIND
• Wide opening, Ø 250 mm, no nuts or bolts
• Wide drain Ø 50 mm with strainer that can be unscrewed from the outside
• Internal components are screwed together so dismantling is easy

GUARANTEE
• 10 year guarantee on the filter shell
• In the event of a replacement under guarantee, the cost of labour is also covered

### Maximum Filtration Rate

<table>
<thead>
<tr>
<th>Filter diameter</th>
<th>Private pool, standard NF P 90-318</th>
<th>Commercial pool maximum flow rate to be in line with regulations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø400</td>
<td>6.0</td>
<td>4.8</td>
</tr>
<tr>
<td>Ø500</td>
<td>10.0</td>
<td>8.0</td>
</tr>
<tr>
<td>Ø610</td>
<td>14.0</td>
<td>11.2</td>
</tr>
<tr>
<td>Ø760</td>
<td>22.0</td>
<td>17.6</td>
</tr>
<tr>
<td>Ø920</td>
<td>33.0</td>
<td>26.4</td>
</tr>
</tbody>
</table>

### Dimensions

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Valve</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 500 - 20&quot;</td>
<td>1&quot;1/2</td>
<td>802</td>
<td>503</td>
<td>800</td>
<td>417</td>
<td>476</td>
</tr>
<tr>
<td>Ø 610 - A - 24&quot;</td>
<td>1&quot;1/2</td>
<td>840</td>
<td>612</td>
<td>915</td>
<td>418</td>
<td>477</td>
</tr>
<tr>
<td>Ø 610 - B - 24&quot;</td>
<td>2&quot;</td>
<td>840</td>
<td>612</td>
<td>930</td>
<td>418</td>
<td>493</td>
</tr>
<tr>
<td>Ø 760 - 30&quot;</td>
<td>2&quot;</td>
<td>985</td>
<td>762</td>
<td>1083</td>
<td>495</td>
<td>576</td>
</tr>
<tr>
<td>Ø 920 - 36&quot;</td>
<td>2&quot;</td>
<td>1111</td>
<td>923</td>
<td>1245</td>
<td>557</td>
<td>638</td>
</tr>
</tbody>
</table>

### Filter medium (kg)

- RTM CS, CT and HF filters
  - Ø 500 mm 20": 75 kg (of which 25 kg 2.0/4.0 gravel)
  - Ø 610 mm A et B 24": 125 kg (of which 25 kg 2.0/4.0 gravel)
  - Ø 760 mm 30": 250 kg (of which 25 kg 2.0/4.0 gravel)
  - Ø 920 mm 36": 350 kg (of which 25 kg 2.0/4.0 gravel)

### Surface area (m²)

- RTM CS, CT and HF filters
  - Ø 500 mm 20": 0.2 m²
  - Ø 610 mm A et B 24": 0.28 m²
  - Ø 760 mm 30": 0.44 m²
  - Ø 920 mm 36": 0.65 m²
RTM HF
Side Filters

**TECHNICAL DATA BWT EXCLUSIVE**

› Smooth anti-bacterial inner surface for more hygienic filtration.
› Very low load loss due to the design of the internal components, the very best in hydraulic optimisation.
› Wide transparent lid, diameter 250 mm, with integrated air vent. Adjustable pressure gauge, integrated into the lid.
› No threading on the cover.
› Pre-assembled 1” ½ and 2”, with solvent unions.
› Pipework diameter – 63 mm, large radius elbows, easy to dismantle.
› The upper collector can swivel through 90°.
› Lower drain, diameter 50 mm.
› Strainer on the lower drain, may be unscrewed from the exterior.
› A 38 mm hose tail may be fitted onto the lower drain to allow connection of a drainage hose.
› High linear flow rate laterals, 6 branch manifold.
› Colour customisation (subject to conditions).
› Easy to assemble.
› Simple to maintain.

Pre-assembled 1” ½ and 2” valve, with solvent unions, adjustable pressure gauge to be mounted on the valve

Lower drain, diameter 50 mm

Bar laterals, 6 branch manifold, with automatic vent
RTM HF 610B

Excellent hydraulic optimisation

Due to the load loss generated, the maximum recommended flow rate for the 920 filter fitted with a 2” valve is 26 m³/h (at this flow rate, the throughput is approximately 40 m³/h/m²).

<table>
<thead>
<tr>
<th>Description</th>
<th>Flow rate m³/h</th>
<th>Filter Ø mm H mm</th>
<th>Filter medium gravel/ sand</th>
<th>Valve</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTM HF 500 sand filter, with 1”1/2 multi-port valve</td>
<td>10</td>
<td>500</td>
<td>802</td>
<td>1”1/2</td>
</tr>
<tr>
<td>RTM HF 610-A sand filter, with 1”1/2 multi-port valve</td>
<td>14</td>
<td>610</td>
<td>840</td>
<td>1”1/2</td>
</tr>
<tr>
<td>RTM HF 610-B sand filter, with 2” multi-port valve</td>
<td>14</td>
<td>610</td>
<td>840</td>
<td>2”</td>
</tr>
<tr>
<td>RTM HF 760 sand filter, with 2” multi-port valve</td>
<td>22</td>
<td>760</td>
<td>985</td>
<td>2”</td>
</tr>
<tr>
<td>RTM HF 920 sand filter, with 2” multi-port valve</td>
<td>33*</td>
<td>920</td>
<td>1111</td>
<td>2”</td>
</tr>
</tbody>
</table>
RTM CS Side Filters

TECHNICAL DATA
› Wide transparent cover, diameter 250 mm, with air bleed,
› No threading on the cover,
› Comes with a 1" or 1½" valve (not mounted, delivered in a separate package) and screw type unions,
› Pressure gauge to be mounted on the valve,
› Internal pipe work diameter, 63 mm,
› Lower drain, diameter 50 mm,
› Strainer on the lower drain, may be unscrewed from the exterior,
› A 38 mm hose tail may be fitted onto the lower drain to allow connection of a drainage hose,
› Bar laterals, 6 branch manifold, with automatic vent,
› Easy to assemble,
› Simple to maintain.

Description Flow rate

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<tr>
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<th>Valve</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTM CS - Side 500 sand filter, with 1½&quot; multi-port valve</td>
<td>10</td>
<td>500</td>
<td>802</td>
<td>1½&quot;1/2</td>
</tr>
<tr>
<td>RTM CS - Side 610-A sand filter, with 1½&quot; multi-port valve</td>
<td>14</td>
<td>610</td>
<td>840</td>
<td>1½&quot;1/2</td>
</tr>
<tr>
<td>RTM CS - Side 610-B sand filter, with 2&quot; multi-port valve</td>
<td>14</td>
<td>610</td>
<td>840</td>
<td>2&quot;</td>
</tr>
<tr>
<td>RTM CS - Side 760 sand filter, with 2&quot; multi-port valve</td>
<td>22</td>
<td>760</td>
<td>985</td>
<td>2&quot;</td>
</tr>
<tr>
<td>RTM CS - Side 920 sand filter, with 2&quot; multi-port valve</td>
<td>33*</td>
<td>920</td>
<td>1111</td>
<td>2&quot;</td>
</tr>
</tbody>
</table>

› RTM CS 610B
Excellent hydraulic optimisation

Bar laterals, 6 branch manifold, with automatic vent
Lower drain, diameter 50 mm
1½" or 2" valve (unassembled) with screw type unions, adjustable pressure gauge to be mounted on the valve.
Top Filters

TECHNICAL DATA

› Comes with a 1”1/2 or 2” valve (not mounted, delivered in a separate package),
› TOP lid, not assembled, with necessary o-rings,
› Pressure gauge to be mounted on the valve,
› Internal pipe work diameter, 50 or 63 mm,
› Lower drain, diameter 50 mm,
› Strainer on the lower drain, may be unscrewed from the exterior,
› A 38 mm hose tail may be fitted onto the lower drain to allow connection of a drainage hose,
› Bar laterals, 6 branch manifold,
› Easy to assemble,
› Simple to maintain

Due to the load loss generated, the maximum recommended flow rate for the 920 filter fitted with a 2” valve is 26 m³/h (at this flow rate, the throughput is approximately 40 m³/h/m²)

<table>
<thead>
<tr>
<th>Description</th>
<th>Flow rate m³/h</th>
<th>Filter Ø mm</th>
<th>Filter medium (gravel/sand)</th>
<th>Valve</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTM CT - Top 500 sand filter, with 1”1/2 multi-port valve</td>
<td>10</td>
<td>500</td>
<td>1029</td>
<td>1”1/2</td>
</tr>
<tr>
<td>RTM CT - Top 610-A sand filter, with 1”1/2 multi-port valve</td>
<td>14</td>
<td>610</td>
<td>1039</td>
<td>1”1/2</td>
</tr>
<tr>
<td>RTM CT - Top 610-B sand filter, with 2” multi-port valve</td>
<td>14</td>
<td>610</td>
<td>1080</td>
<td>2”</td>
</tr>
<tr>
<td>RTM CT - Top 760 sand filter, with 2” multi-port valve</td>
<td>22</td>
<td>760</td>
<td>1220</td>
<td>2”</td>
</tr>
<tr>
<td>RTM CT - Top 920 sand filter, with 2” multi-port valve</td>
<td>33*</td>
<td>920</td>
<td>1357</td>
<td>2”</td>
</tr>
</tbody>
</table>

1”1/2 or 2” valve (unassembled), adjustable pressure gauge to be mounted on the valve.

Lower drain, diameter 50 mm

Bar laterals, 6 branch manifold, no automatic vent
The new BWT Ultra-High Filtration Performance calibrated silica was formulated specifically for Procopi. It ensures super fine filtration that is key to meeting the challenges we set ourselves: to reduce the consumption of pool chemicals and decrease the consumption of energy.