ROTARY Disc Filters
Data Sheet

GLACIER FILTRATION
Lama Disc Filters
ROTARY Range.

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Glacier Filtration are the Australasian Agents for Lama Screen Filtration products, covering Australia and New Zealand.

The ROTARY Range of Disc filters offer a rapid and effective 4-stage cleaning process that is synchronised to prevent contamination of previously filtered water.

The Rotary disc filters are an effective and user-friendly unit that has minimal componentry that makes for smooth operations and is easy to take apart and reassemble.

Filtration occurs by the retention of solids and particles in the disc channels, there are four different disc sizes available:

CONSTRUCTION
- **Body:** Stainless Steel and Carbon Steel
- **Disc Tower:** Stainless Steel
- **Manifolds:** Carbon Steel or Polyethylene
- **Joints:** Synthetic rubber or nitrile 60° Shore
- **Screws:** Zinc-plated weather resistant

FILTERING ELEMENT
Disc Filters; available in four sizes: Blue (50 micron), Yellow (130 Micron), Red (190 Micron), Brown (250 Micron).

EXTERIOR SURFACE TREATMENT
The steel elements are treated internally and externally with phosphate and an impregnation of Amonite. Elements are then painted by electrostatic spraying powder paint and epoxy polyester.

CLEANING
The cleaning function is performed by a counter flow and disc separation under high speed rotation. The combination of these two effects causes dirt and particles to detach and are blown away by tangential high-pressure water jets directed on the disc surface.

PRESSURE
- **Max Pressure:** 10 Bar
- **Min Cleaning Pressure:** 2.5 Bar
- **Test Pressure:** 16 Bar
<table>
<thead>
<tr>
<th>Description</th>
<th>Min Drainage Flow (m³/h)</th>
<th>Filtration Surface (cm²)</th>
<th>Max Recommended Flow (m³/h)</th>
<th>Limit Flow 4m.P.D</th>
</tr>
</thead>
<tbody>
<tr>
<td>One (1) Filter</td>
<td>14</td>
<td>2042</td>
<td>26, 16, 10</td>
<td>89</td>
</tr>
<tr>
<td>Two (2) In-line</td>
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<td>4084</td>
<td>52, 31, 20</td>
<td>178</td>
</tr>
<tr>
<td>Four (4) In-line</td>
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<td>8168</td>
<td>140, 84, 55</td>
<td>356</td>
</tr>
<tr>
<td>Six (6) In-line</td>
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<td>12,252</td>
<td>225, 135, 88</td>
<td>534</td>
</tr>
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<td>Eight (8) In-line</td>
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<td>712</td>
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<td>Ten (10) In-line</td>
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<td>375, 225, 146</td>
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<tr>
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