Where flows within drainage systems are required to be limited or checked (i.e. prior to discharge from site), in a simple and cost-effective design, we are able to offer our RIDGISTORMCheck Orifice Plate Flow Control Chamber. Incorporating an integral orifice plate flow control with an optional removable Permavoid filter unit wrapped in a 2mm polyethylene mesh, to provide filtration and ease of maintenance.

RIDGISTORMCheck Orifice Plate Flow Control Chambers offer a cost-effective means of limiting flows, particularly when used in conjunction with our range of attenuation systems on smaller scale projects.

**Applications**
Site specific RIDGISTORMCheck Orifice Plate Flow Control Chambers are engineered to suit a range of stormwater attenuation and infiltration systems, providing a means of flow regulation and are used regularly when designing to source control principles. The optional filter unit on the outlet provides a filtration system for reduced maintenance.

**Key Features and Benefits**
- Manufactured with an integral sump for silt retention
- Eliminates wastage associated with in-situ construction
- Multiple inlet and outlet options allowing quick and seamless connection to pipeline
- Depths can be tailored to suit project requirements
- Lockable steel covers available
- Optional step rungs to BS EN 13101 and ladders to BS EN 14396
- Optional riser section, and riser location ring
- Integral lifting points available on request to improve Health and Safety of handling and installation
- Stub connections are available

**Other fabrications in our RIDGISTORMCheck range:**
- Vortex Flow Control Chambers

**Performance**
RIDGISTORMCheck Orifice Plate Flow Control Chambers are fabricated from Ridgistorm-XL pipework, which is manufactured to meet the material requirements of BS EN 13476.

<table>
<thead>
<tr>
<th>RIGDISTORMCHECK ORIFICE PLATE FLOW CONTROL CHAMBERS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PHYSICAL PROPERTIES</strong></td>
</tr>
<tr>
<td>Diameter: 500-3000mm</td>
</tr>
<tr>
<td>Depth: To suit requirements</td>
</tr>
<tr>
<td>Material: HDPE</td>
</tr>
<tr>
<td>Colour: Black with blue interior</td>
</tr>
<tr>
<td>Chemical resistance: HDPE is naturally resistant to</td>
</tr>
<tr>
<td>most chemicals associated with stormwater drainage</td>
</tr>
<tr>
<td>Inlets/outlets: 100-3000mm</td>
</tr>
<tr>
<td>Hydraulic performance: Orifice plate flow controls</td>
</tr>
</tbody>
</table>

**Our Ridgistorm-XL Fabrications range**
All of our Ridgistorm-XL fabrications are tailor-made, fully-welded, watertight structured wall chambers to suit project-specific requirements. Health and Safety benefits become apparent during handling and installation, due to our fabrications’ strong but light in weight nature. In addition, off-site construction ensures uncompromised, high quality products being delivered to site ready-to-install, reducing installation time and costs.

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RIDGISTORMCheck Orifice Plate Flow Control Chambers

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