

# RIDGISTORMCheck Orifice Plate Flow Control Chambers

Data Sheet

PRODUCT INFORMATION

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ISSUE 1 - MAY 2016

Where flows within drainage system 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, supplied with integral sockets as standard 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 13476:2007 (Part 1-3).

### RIDGISTORMCHECK ORIFICE PLATE FLOW CONTROL CHAMBERS

#### PHYSICAL PROPERTIES

Diameter	500-3000mm
Depth	To suit requirements
Material	HDPE
Colour	Black with blue Interior
Chemical resistance	HDPE is naturally resistant to most chemicals associated with stormwater drainage systems
Inlets/outlets	100-3000mm
Hydraulic performance	Orifice plate flow controls to suit site specific flow rates and head

## 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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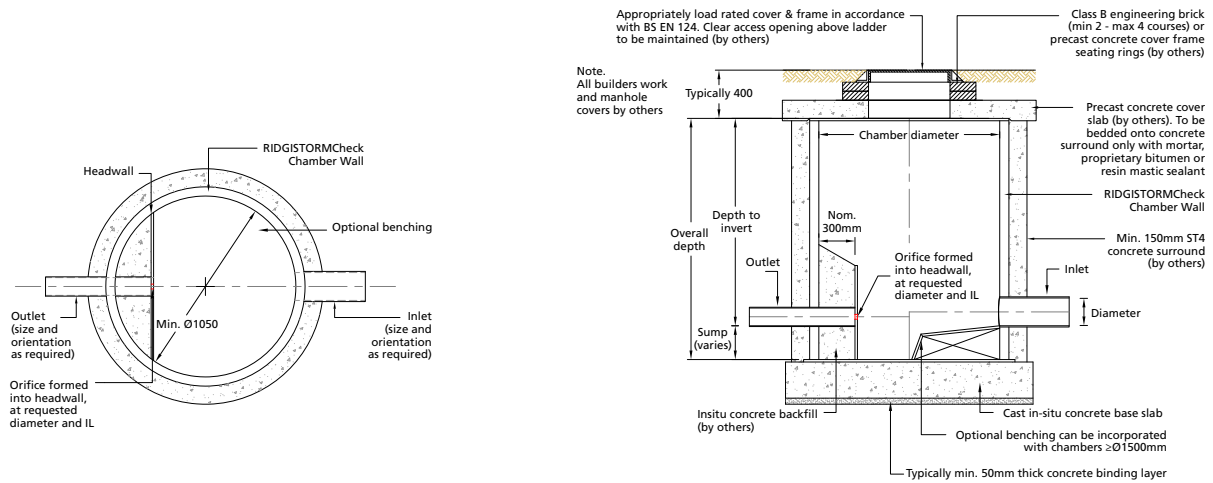
Data Sheet

PRODUCT INFORMATION

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## RIDGISTORM Check Orifice Plate Flow Control Chambers



For further information please contact our Technical Team on +44 (0) 1509 615100 or download our CAD Standard Details from our website [www.polypipe.com/toolbox](http://www.polypipe.com/toolbox)

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