

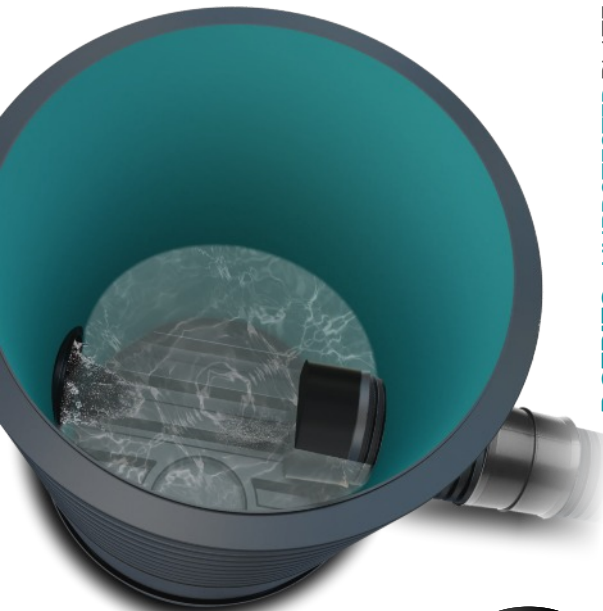


MODEL: **OFCP1050**

Flow Control Chamber for use with various pipework diameters from 110mm EN 1401 to 450mm twinwall



P SERIES - UNPROTECTED PLATE



Orifice plates are manufactured to suit outlet pipework and can be changed easily if different orifice size is required

**OVERVIEW**

The ORIFLO OFCP1050 is classed as an unprotected orifice plate - flow control chamber. Designed to support SuDS management and the sewer infrastructure, as part of a designed attenuation system, helping prevent flooding by controlling the flow into the main sewer.

**APPLICATION**

Designed for installation downstream of cellular/crate – attenuation and irrigation systems, as well as permeable paving, where solids and debris will have been already removed upstream.

**DESCRIPTION**

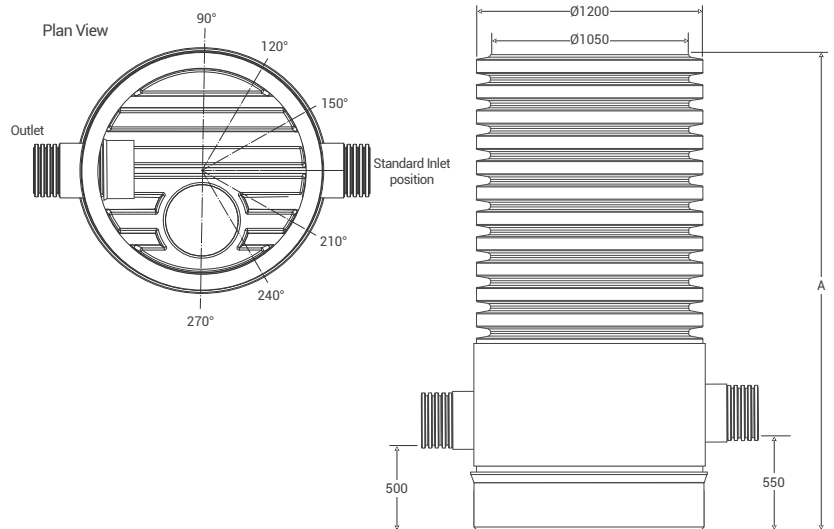
1200mm diameter, single piece - factory built units, delivered to site ready to install. All OFCP1050 units feature a robust, heavily profiled- rota moulded base and an impact resistant, twinwall body, with a choice of main channel pipework diameters from 110mm EN 1401 to 450mm twinwall, with extra inlets available on request and a choice of positions from 90° to 270° (as shown in Plan View below). The number of extra inlets will be dependant on size of pipe and orientation. Chambers can be supplied with fitted ladder for full access, if required.

**COMPLIANCE**

- Design & Construction Guidance - April 2020. Section C7.12 - Flow Control Device
- Building Regulations - Part H1
- New DCG ( Design and Construction Guidance) states; In Adoptable applications, this type of flow control device, is designed with a minimum 50mm orifice diameter

**FEATURES & BENEFITS**

- Single piece unit delivered ready to install, reducing installation time and costs
- Offers significant onsite savings against PCC and other traditional construction methods, as they need no construction or wet trades
- Eliminates wastage associated with in-situ construction
- Removable Orifice Plate
- Orifice Plate can be changed easily and extremely cost effectively, should the hydraulics and flow rates change due to future development
- Robust, chemical resistant- twinwall body
- High strength - heavily profiled rota moulded base
- Available in four depths
- Large range of pipework options available from 110mm EN 1401 to 450mm twinwall
- Option of fitted ladders
- Relatively Lightweight compared to traditional construction methods
- Access shafts can be trimmed to suit required invert
- 500mm sump depth for catchment of suspended fines
- Can be installed in granular backfill
- 60 year Design Life
- Manufactured in the UK



Product Code	Outlet pipework Ø mm	Optional Inlets Ø mm	Overall Depth A mm	Invert inlet B mm	Approx. Weight kg
OFCP1050/1.5	110 - 450	110 - 450	1465	915	135
OFCP1050/2	110 - 450	110 - 450	1983	1433	160
OFCP1050/2.5	110 - 450	110 - 450	2496	1946	185
OFCP1050/3	110 - 450	110 - 450	3016	2466	210

Please Note: The orifice plates in these units can be removed but the unit would need access ladders or fitted ladder to enter chamber



.. To calculate the specific orifice diameter from a prescribed restricted flow rate, you can use the flow rate calculator on our website: [www.turtleenviro.co.uk/oriflo](http://www.turtleenviro.co.uk/oriflo)

