

ORIFLO[®]

FLOW CONTROL CHAMBERS

P SERIES - PROTECTED PLATE

MODEL: **OFCC1050**



OVERVIEW

The ORIFLO OFCC1050 is classed as a protected 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 to be installed downstream of larger attenuation systems, ie. tank and oversized pipe systems, forming the final part of the SuDS chain.

DESCRIPTION

Single piece - factory built units, delivered to site ready to install. Integrally, all of our OFCC models are fitted with our unique SILTBLOK barrier, this barrier protects the orifice plate from any potential blockages from silt or debris, as well as protecting the downstream watercourse. This model comes with a choice of two inlet pipe diameters - either 300mm or 450mm twinwall, however other pipework can be accommodated using adaptors.

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



OPTIONAL :
RESTRICTION CAP
TO Ø320MM
TO COMPLY WITH
DCG



TWINWALL
ACCESS SHAFT



REMOVABLE
ORIFICE PLATE

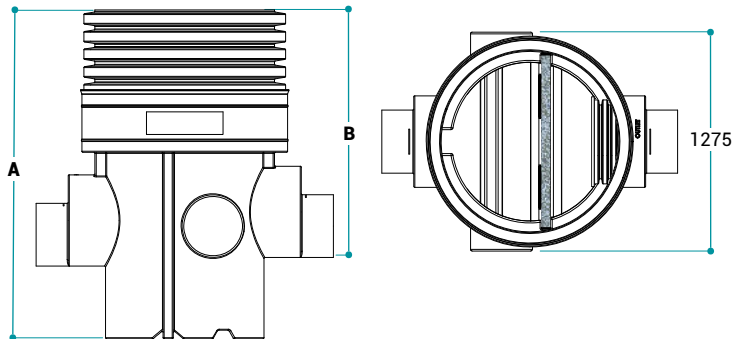


MAIN CONNECTIONS
HAVE FACTORY FITTED
ROCKER PIPES

ROTA MOULDED
CHAMBER

ROBUST PROFILED BASE

REMOVABLE
SILTBLOK FILTER



Product Code	Pipework options Ø (mm)	Depth A (mm)	Invert inlet B (mm)	Approx. Weight (Kg)	Pallet Qty
OFCC1050/1.5	300-450 TWINWALL	1510	1005	115	1
OFCC1050/2	300-450 TWINWALL	1930	1425	138	1
OFCC1050/2.4	300-450 TWINWALL	2350	1845	162	N/A
OFCC1050/3	300-450 TWINWALL	2960	2455	194	N/A



NB: Orifice plates and SILTBLOK filter cannot be removed if installed with restriction cap. So other access methods should be considered, if you require full access for removal.

Image adjacent shows the unit set into an Ø1800mm PCC manhole.



To calculate the specific orifice diameter from a prescribed restricted flow rate, you can use the flow rate calculator on our website: www.turteenviro.co.uk/oriflo

60
YEAR
Design Life

UK
Made in the UK



DATA SHEET

Nov 22