

P SERIES MODEL: OFCP300

OVERVIEW

The ORIFLO OFCP300 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. The strategic use of smaller flow control units has proven to support SuDS, in regards the overall storage and land requirement on site and from various storage systems, like smaller modular/crate attenuation systems and permeable paving.

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

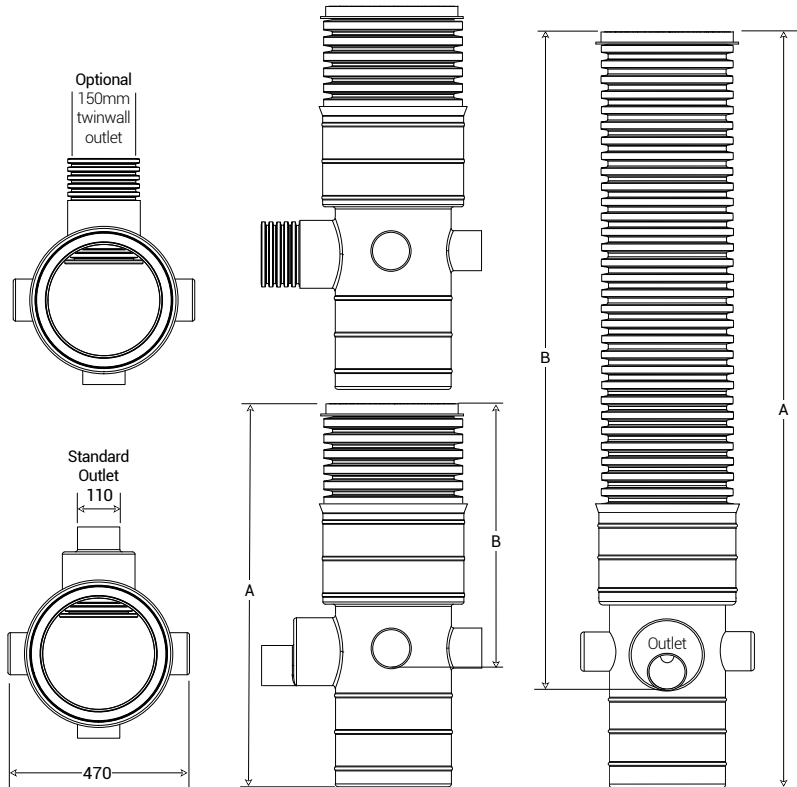
300mm diameter, single piece - factory built units, delivered to site ready to install. Featuring a robust, impact resistant, rota moulded base with four moulded pipe spigots that accommodate 110mm EN 1401 pipe fittings. All spigots have blind ends, that can be cut off on site if required. Units are supplied with a square section, 35KN loading access cover.

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
- Chemically resistant rota moulded polyethylene base
- Lightweight - No machinery or lifting equipment required
- Quick and simple to install
- Offers significant onsite savings against PCC and other traditional construction methods, as they need no construction or wet trades
- Available in two standard depths
- Inlets - 3 x 110mm diameter spigot connections
- Outlet - 110mm diameter spigot connection with 150mm twinwall option
- Orifice Plate - available in various orifice diameters
- Orifice Plate can be changed easily should the hydraulics and flow rates change due to future development
- Supplied with 35KN loading, access cover
- Access shafts are easily trimmed to suit required invert
- 270mm sump depth for catchment of suspended fines
- Can be installed in granular backfill



PRODUCT CODE	INLET PIPEWORK Ø	OUTLET PIPEWORK Ø	OVERALL DEPTH A	INVERT INLET B	APPROX. WEIGHT
	mm	mm	mm	mm	kg
OFCP300/1	3 x 110	110	1025	695	9
OFCP300/2+	3 x 110	110	1995	1630	19

* The orifice plate in the OFCP300/2 unit cannot be removed due to restrictive access. However given the application of these units, the orifice should not need to be removed.



.. 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



60^{yr}
Design Life

Manufactured in the UK