



Orifice plates can be changed easily, if different orifice size is required

## P SERIES MODEL: OFCP600

### OVERVIEW

The ORIFLO OFCP600 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

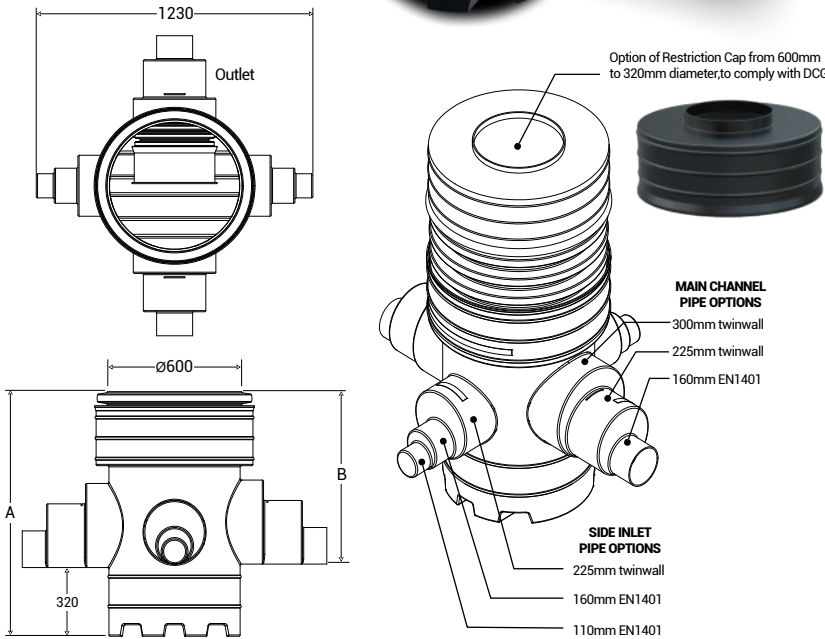
600mm diameter, single piece - factory built units, delivered to site ready to install. Featuring a robust, impact resistant, rota moulded base with four moulded pipe spigots, offering various pipe connections, including - 110/160mm EN 1401 pipe fittings, as well as 225/300mm twinwall pipes. All inlet spigots have blind ends, that can be cut off on site 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
- Chemically resistant rota moulded polyethylene base with heavy duty ribbed bottom
- Lightweight - No machinery or lifting equipment required, so quick and simple to install
- 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
- Available in four standard depths
- Large range of pipework options available from 110mm EN 1401 to 300mm twinwall
- Removable Orifice Plate - available in various orifice diameters
- Orifice Plate can be changed easily and extremely cost effectively, should the hydraulics and flow rates change due to future development
- Option of Restriction Cap to comply with new DCG ( Design and Construction Guidance)
- Access shafts are easily trimmed to suit required invert
- 320mm sump depth for catchment of suspended fines
- Can be installed in granular backfill



PRODUCT CODE	MAIN CHANNEL PIPEWORK Ø mm	OPTIONAL SIDE INLETS Ø mm	OVERALL DEPTH A mm	INVERT INLET B mm	APPROX. WEIGHT kg
<b>OFCP600/1</b>	160 EN 1401 225/300 twinwall	110 & 160 EN 1401 225/300 twinwall	<b>1075</b>	<b>755</b>	<b>19</b>
<b>OFCP600/1.5*</b>	160 EN 1401 225/300 twinwall	110 & 160 EN 1401 225/300 twinwall	<b>1500</b>	<b>1180</b>	<b>30</b>
<b>OFCP600/2*</b>	160 EN 1401 225/300 twinwall	110 & 160 EN 1401 225/300 twinwall	<b>2000</b>	<b>1680</b>	<b>39</b>
<b>OFCP600/2.5*</b>	160 EN 1401 225/300 twinwall	110 & 160 EN 1401 225/300 twinwall	<b>2445</b>	<b>2125</b>	<b>47</b>

\* Orifice plates in these units cannot be removed if installed with restriction cap. So other access methods should be considered, if you require full access for removal. 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](http://www.turtleenviro.co.uk/oriflo)



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