



# Flow Control Systems

## Orifice Flow Control Chamber

450

### Product Type: Orifice Flow Control Model: OFCC500

450mm diameter, pre-assembled protected flow control chamber, delivered ready to install. This model uses 150mm or 225mm main channel socket connections. The basket attached to the BLOK has a capacity of 17.5kg with a recommended inspection, emptying and cleaning schedule depending on usage.

#### Application

- Above ground access for inspection and maintenance of surface water pipe systems.
- Suitable for Adoptable and Non-Adoptable applications.
- Maximum installation depth to soffit of pipe - Adoptable 3000mm and Non-Adoptable 3000mm.
- Designed for medium to large housing or commercial developments.

#### Built to the following standards

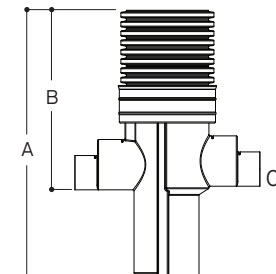
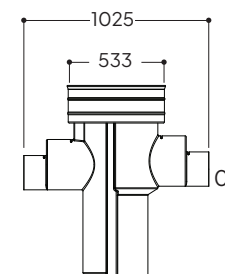
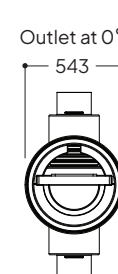
- Design & Construction Guidance (DCG) - Section C7.12
- CIRIA75310.2 - 20.5 Compliance
- BS 8582 - 9.6

#### Features

- Single piece, pre-assembled chambers.
- Durable rotational moulded LLDPE base - chemical and impact resistant.
- 480mm sump depth.
- Compatible with all UK Twinwall pipe systems.
- Profiled base which improves overall strength.
- Three standard depths available.
- Access shafts are easily cut onsite to the required depth.
- Chambers can be installed in granular backfill.

#### Quality Assurance

Before leaving our factory, chambers are tested in accordance to required standards.



Model ref.	Main Pipework Connections Ø (mm)	Overall Depth A (mm)	Inlet Invert B (mm)	Approx. Weight (kg)
OFCC500B/1.5	150, 225	1480	965	35
OFCC500B/2	150, 225	1990	1475	40
OFCC500B/2.4	150, 225	2400	1885	45

- Chambers over 1000mm soffit depth require our reduction/restriction caps to meet DCG.
- Inlet Invert measurements accurate to main channel socket. This measurement will vary depending on pipework used.
- We provide a range of adaptors to connect to various pipework dimensions and pipework types including Marley Quantum, Polysewer and UltraRib.

#### Our BLOK Filter Technology Within The Oriflo Range

This model is within our protected Oriflo range. This range includes a filter to prevent total suspended solids (TSS) including silt migrating past the filter, protecting the orifice plate and stopping potential blockage. This range allows smaller orifice sizes due to the enhanced protection of the orifice plate.



#### What information do we need to design your ORIFLO chamber?

We have a large range of flow control chambers allowing us to help tailor your choice to what would be best for your implementation. For this we will require:

- Orifice size
- Pipework sizes and configurations
- Invert depths

If you are unsure on the orifice size, you can use our Oriflo Orifice Size Calculator on our website to calculate what orifice size you would need for your chamber.

[www.turtleenviro.co.uk/oriflo-OFCC500/#oriflo-calculator](http://www.turtleenviro.co.uk/oriflo-OFCC500/#oriflo-calculator)