

150mm Stormwater Detention System

Fittings Guide



1) Lower Overflow (OSD Outlet)

Requires additional 150mm Overflow fitting, installed in factory for Onsite Stormwater Detention (OSD).

Fitting is either:

- **150mm PVC Overflow** (if fitted from half-way up tank to top corrugation); or
- **150mm 8-Bolt PVC Overflow** (if fitted from base of tank to half-way up tank).

See technical data sheets for each part below.

150mm Overflow PVC

PRODUCT DESCRIPTION:

- Made from injection moulded PVC
- Mounted on the outside up high

APPLICATION:

Overflowing water once the tank is full. Fitting needs **150mm** clearance + pipe work that it attached to it. Distance in between tanks would need to be **300mm** minimum



RECOMMENDED:

- Can be used to link tanks at top

NOT RECOMMENDED:

- Cannot be mounted on the 45 degree on Modline or Square tanks
- Not for commercial use – Use fitted *150mm Zinc Boss Overflow*
- Don't use down the base of a tank

ITEM NAME:

Fitted 150mm 8-bolt PVC Overflow

ITEM CODE:

ACC-150MM 8BT O'FLOW

PRODUCT DESCRIPTION:

- A PVC 8 bolt overflow and residential outlet. Has a rubber washer mounted on both sides
- Used in conjunction with a 150mm PVC stormwater pipe and fittings
- Residential use only. Can and should be used to interconnect residential tanks



APPLICATION:

Used for interconnecting tanks or large pumps. Fittings stick out **100mm**. Minimum distance between tanks is **200mm**.

2) 150mm Detention Kit

ITEM NAME:

150mm Detention Kit

ITEM CODE:

DETENTION KIT 150MM

PRODUCT DESCRIPTION:

- These parts are used to together to make an Onsite Detention Fitting
- The orifice plate is a perspex disc that a hydraulically defined size hole is drilled
- The hole must be able to be inspected
- The fitting details must include the height to the bottom of the fitting in the notes
- Includes 150mm double junction with IO, perspex orifice plate, OSD plaque



APPLICATION:

Preventing storm flash flooding by releasing captured water back to the storm water over a long period of time

RECOMMENDED:

- Use an 8 bolt PVC as the tank fitting
- Discuss with the customer the height hole to the ground
- Ensure hydraulics are given to the installation crews

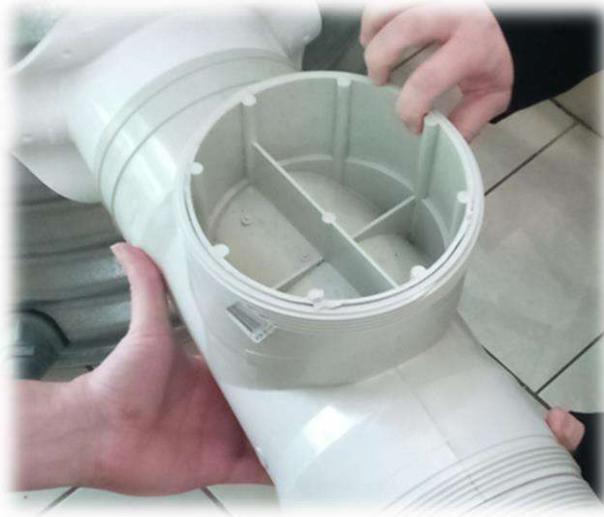
NOT RECOMMENDED:

- Don't mount at the bottom of the tank if possible as the inspection port needs to be accessible
- Must be 700mm off the ground to connect the fittings

IMPORTANT:

Discuss with the customer the height of the hole to be drilled to the ground.

Installation Procedure:



1) First 150mm TEE joins OSD Outlet, *installed on site by your plumber*

- Place orifice plate in between 150mm OSD Outlet on tank and 150mm TEE.
- Remove insert and screw lid back on.

*NOTE: Certifier will remove **Inspection Opening** to view orifice plate so make sure access to this opening is accessible.*

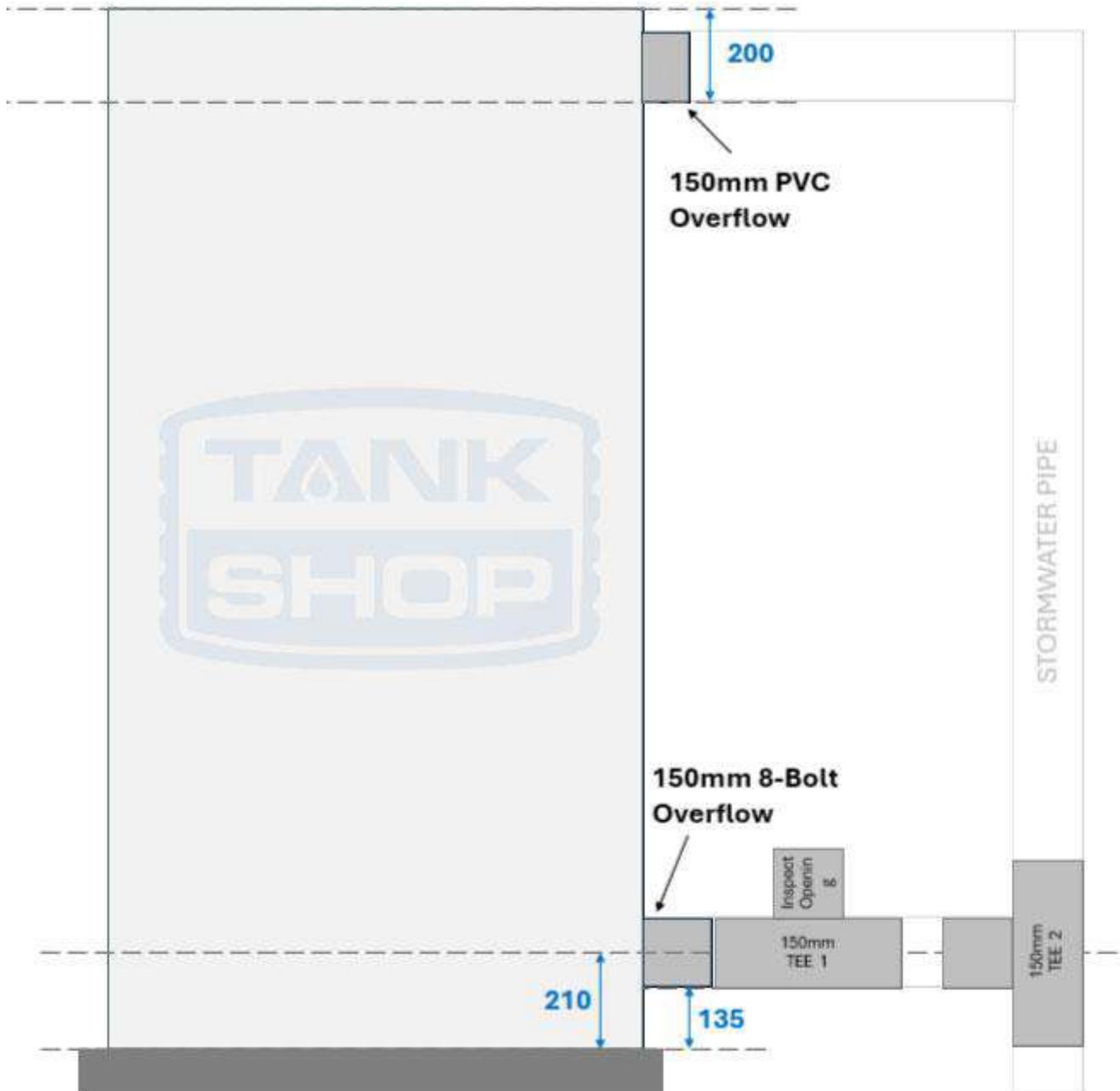


2) Second 150mm TEE joins to other TEE, *installed on site by your plumber*

- This TEE connects to the overflow pipe coming out the top of tank and also stormwater pipe coming out of ground.

OSD Outlet can be installed at any height to match your Stormwater Detention targets.

Note: When the OSD Outlet is installed at the base of the tank, the distance from the base to the centre of the overflow is 210mm.



This reference is provided as a general guide only. For more information on how to setup the 150mm Stormwater Detention Fittings, please contact **Kingspan Water & Energy**

- Phone: 1300 736 562
- Email: service.au@kingspan.com