



1800 808 135

INSTALLATION GUIDE **Concrete Below Ground Rainwater Tanks**

1800 006 176

Access for Delivery

It is critical that the truck has absolute free access to the excavation/s for delivery. If the truck cannot backup to within 1 metre of the excavation, a CRANE will be required (concrete tanks).

Crane costs are care of the client.

The trucks are approximately 11 metres long (outrigger legs 6.5 metres wide when unloading) and weigh 27.5 tonne when loaded. The truck must have a clear path free of obstacles such as trees, overhanging branches, eaves, overhead cables and power lines, building materials, open trenches or excavation material in the vicinity of the delivery. The area for the truck to unload must be firm ground and less than 5% grade. The tanks are unloaded to the rear of truck and crane.

The final decision will be made by the driver. This will be based on a risk assessment including experience, truck/crane capabilities, hazards and, first and foremost, safety. Please ensure the excavation is done prior to delivery. Waiting time, re-delivery and additional loading and unloading costs are care of client. Installation Risk Assessments are available on request along with truck and crane details and dimensions.

Weather Problems

In periods of wet weather please ensure that the footing surrounding the excavated hole is stable for truck stabilizers, and the hole is free of water and loose soil.

Site Preparations

Please ensure that the base of the hole is level.

The base should also have a 50mm layer of sand or similar materials (no rocks or stones) and be well compacted.

Allow at least 300mm around the tank/s for ease of delivery into the excavated hole and for removal of lifting equipment.

For measurement relevant to excavation e.g. bottom of the inlet to base of the tank, please refer to the excavation dimensions diagram.

****The tank access lid must be at least 20mm above the finished ground level.****

Installation

All plumbing work to be done by licensed plumber to AS/3500

Once the tank/s have been placed in the hole/s, please ensure the following:

1. Fill tank/s with clean water to prevent them floating in the event of rain or presence of ground water.
2. Concrete around base of tank/s to anchor tank/s into ground. See rainwater tank drawing for recommended size of concrete anchor and/or refer to your engineer.
3. Connect storm water drainage lines to the inlet of the main tank (via a filtration device if required) Interconnect main tank with servant tank if applicable. Connect outlet of tank to storm water discharge (ensure that storm water cannot enter the tank through the outlet overflow).
4. Backfill with clean fill (no rocks or sharps) and ensure all connections are exposed for Council inspection.
5. Fit control panel to wall
6. **Auto Changeover Control System: (RAINCYCLE only)**
 - Connect domestic supply to 'domestic' 20mm (right hand side)
 - Connect pump line (from tank) 20mm to control panel (middle connection)
 - Connect outlet 20mm to service line (left hand side)
 - Avoid debris from entering control box, pipework and tank by connecting the two (2) 'Y' strainers supplied to the Town Water inlet & Tank Water/Pump inlet. (Refer 'Y' strainer install details inside Control Box)
7. **Don't Forget to remove plastic cover on tubular mesh screen between inlet & overflow on Type 'B' tanks only once the inlet pipes are free of debris**

Electrical Works

All electrical work to be done by licensed electrician to AS/3000

Connect single phase domestic power supply to control box on wall. A 3core flexible lead complete with plug is provided with the control box and can be plugged directly into a power point as the power source if a power point has been installed for this purpose.

IMPORTANT: The connection is to be on a separate circuit (240 volt) and labelled 'Raincycle'

Connect electrical lead from tank / pump to the electrical box contained within the control box on wall. Three (3) female electrical terminals are provided within the control box for this purpose.