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INSTALLATION GUIDE Concrete Econocycle Tanks

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).

Additional 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 lid must be at least 50mm above the finished ground level.

Installation

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

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

1. Backfill with clean fill (no rocks or sharps) and ensure all connections are exposed for Council inspection.
2. Fill tank/s with clean water to prevent them floating in the event of rain or presence of ground water.
3. Concrete around base of tank/s to anchor tank/s into ground. Recommended for rock and water charged ground installations. This should obviously be done before backfilling
4. Connect drainage lines to the inlet of the tank/s. Interconnect tanks if applicable.
5. Connect outlet of tank to approved Effluent Disposal Area. Ensure that storm water cannot enter the tank (including gullies and open pipes) and the treated effluent doesn't enter waterways.
6. Commissioning the tank

This is done by Econocycle or accredited agent including.

- Fit aeration pump and adjust lines
- Power must be connected and 'ON' prior to commissioning

Electrical Works

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

Connect single phase domestic power supply to control box along with signal wires for the alarm. Please locate the alarm in a position that can be seen from outside.