Taylex ABS2000 Installation

Installation Details

Taylex World Series "TWS" lightweight advanced secondary system is not suitable for high water table application

- Overall Height 2,670 mm
- Excavated Hole Size 3,000mm square by 2,300mm deep
- Bedding material 5 – 7mm drainage gravel or sand
- Height to 100mm inlet, 1,750mm (measured from tank bottom to bottom inlet pipe)
- To fill tank, place 7,000L in the centre chamber, this will evenly fill the remaining chambers
- Backfill – Use sand or excavated material/spoil with maximum particle size of 50mm. Ensure that sand or excavated material does not fall on the lid of the tank, as this will fall into the system through the manholes and clog the system and irrigation pump. Ensure that the backfill material is kept at least 70mm below the surface of the tank lid
- Backfill material around tank shall be placed in compacted layers no greater than 500mm evenly around the tank during installation
- Organise electrical and drainage contractor to connect to the ABS System
- The electrical contractor must follow the electrical specification supplied with the ABS alarm panel at the time of delivery
- The drainage connection is a standard 100mm sewer inlet
- Commission – The Poly ABS is ready for commissioning once the electrical power is provided to the system and 7000L has been placed inside the tank
- **Note: The system cannot be commissioned unless power is available at the treatment plant.**

Commissioning Checklist

Please ensure the following is completed prior to commissioning.

1. Irrigation area is completed
2. Irrigation line is available at tank
3. Electrical power is connected
4. Drains connected

- The Poly ABS will then be switched on (commissioned) by an accredited technician employed by/or agent of Austin Bluewater.
- Ensure that the excavated ground or base material is capable of carrying loads of approximately 7 tonne
- Site preparation drawings show excavation walls to perpendicular
- Depending on the soil conditions, the excavator may need to angle or retain the side walls such that they don't cave in during installation
- Except for person/s responsible for lifting and positioning of the tank in the excavated site, there must not be any person within 20m of the installation site during the lifting and positioning of the tank
- Tank must be level in both inflow/outflow direction and 90° to the inflow/outflow direction (<1° deviation)
- **Note: Do not act solely on the basis of the material contained above. Items herein are general comments only and do not convey advice per se. We therefore recommend that our formal advice be sought before acting in any of these areas.**

Disposal Area

To be installed as per approved design and instruction undertaken by an accredited Site and Soil Evaluator.

The following guidelines exist to assist practitioners.

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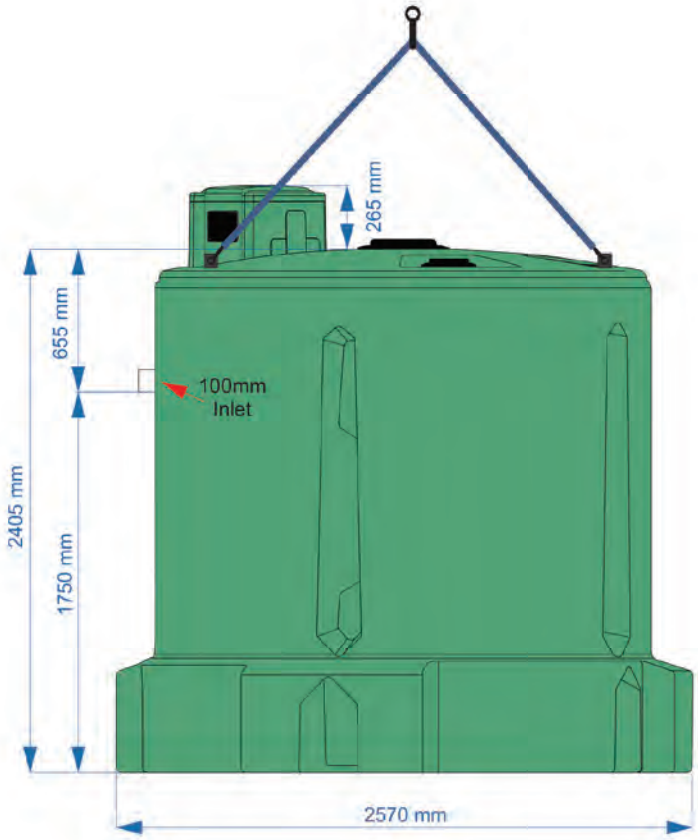
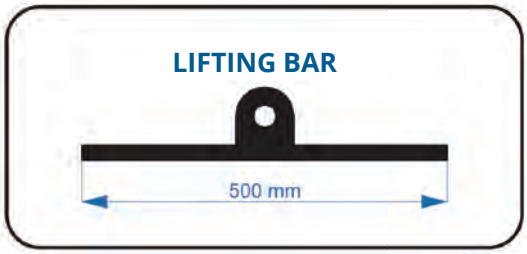
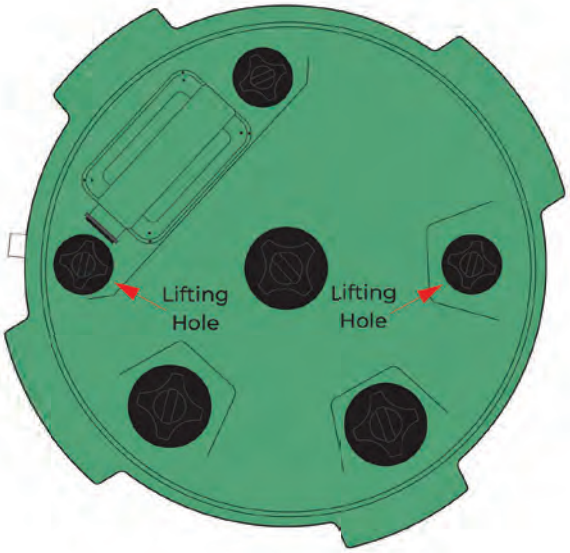
Lifting Procedure - Taylex Poly ABS tank



Total Mass = 600 Kg
Total Height (with blower box) = 2670mm
Total Width (at base) = 2570mm

1. Remove access lids from the designated lifting holes provided
2. Place the steel lifting bars through the lifting holes
3. Take up tension on sling or chains
4. Check that the lifting bars are in the correct placement
5. Place Poly ABS in hole
6. Release tension and remove the bars
7. Replace access lids





PLEASE NOTE: Dry weight of the Poly ABS is 470Kg. Allow 600Kg as tanks are water tested prior to dispatch.

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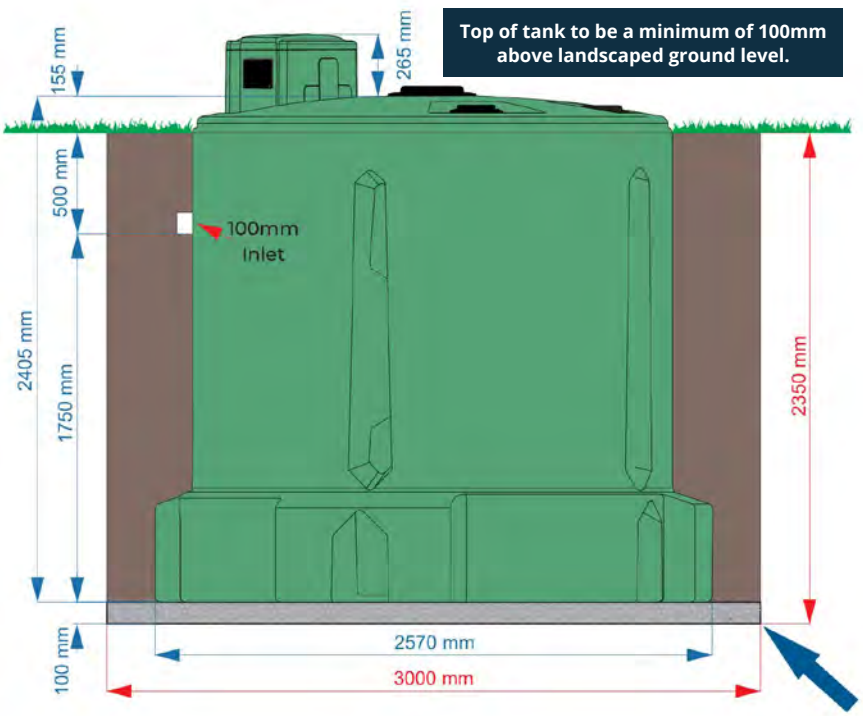
Excavation Details - Taylex Poly ABS tank



Tank Total Mass = 600 Kg

1. Dig hole 3,000mm square and 2,350mm deep
2. Ensure drainage has a 1/60 fall to the inlet of Poly ABS
3. Cover base of hole with 100mm of 5mm to 7mm drainage gravel or sand
4. Ensure bottom of hole is level
5. Backfill with soil from Excavation in no more than 500mm equally distributed layers around the tank. Avoid backfilling with particles larger than 50mm.
6. To prevent flotation, fill the Poly ABS with 7,000lt of water immediately through hole above the centre aeration chamber (see diagram below)
7. Ensure top of gravel/sand is 1750mm to bottom of inlet

ELECTRICIAN

Connect through conduit on side of the Poly ABS. Run wire (min 2.5mm) through the flexible conduit provided and up into the switch located in the blower box.

Active - Neutral - Earth.

DELIVERY & ACCESS

Delivery of the Poly ABS can be completed by a crane truck or trailer and unloaded in a location accessible by a machine/excavator or placed in the hole provided there is enough room for the crane truck to manoeuver safely. If unloading with a machine/excavator ensure it has a minimum lifting capacity of 600kg.

PLEASE NOTE:
7,000L of water to be placed in this chamber to prevent flotation