

Bio Clear

WASTE WATER TREATMENT SYSTEMS

HIGHLAND TANKS PTY LTD
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MODEL ST10

10 person single tank system

PLUMBER'S INSTALLATION MANUAL

1. System Components
 - 1 x 7,300 litre concrete collection well
 - 1 x 100mm PVC, plumbing connection for drainage from house
 - 1 x electrical box for power connection on top of tank
2. Excavation of hole to drawing specifications, allowing 50-100mm above ground level as shown. Lid depth 75mm.
3. **Tank must be installed in hole on level base using minimum 50mm depth of 5-10mm blue metal aggregate or metal dust**, with no rocks protruding over surface area.
4. Tanks can be buried to a maximum depth of 3100mm, using tank risers.
5. Connect drainage to tank.
6. Ensure E duct vents are constructed.
7. Backfill tank.
8. Fill tank 2/3 full with clean water to prevent hydrostatic uplift of tank and to facilitate commissioning.
9. It is the plumber's or owner's responsibility to provide all weather access for delivery truck to the excavated hole. **Ensure access is free of power lines and overhanging trees.**
10. Location of tank – avoid storm water run off areas.
11. When backfilling tank ensure no large rocks enter hole. Any damage to tanks, e.g. large rocks or machinery damage, during backfilling, is the responsibility of the contractor and/or owner.
12. **Tank must be backfilled to a minimum 200mm from top of lid around the entire tank.**
13. Commissioning of system
 - All wastewater to be connected from house to system by licensed plumber
 - Control box & alarm to be connected by licensed electrician. Power to system to be on a separate designated power line to fuse box & clearly marked Bio Clear or Septic. Alarm panel powered by 12 volts.
 - Bio Clear authorised service agent to turn on power to system after checking system is operating.
14. Installation must be in accordance with our plumber's and electrical installation manuals. Any damage to tanks due to incorrect installation is the responsibility of the contractor and/or owner and is not covered by warranty.

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HOLE EXCAVATION

