

# Big Water Tank - 30,000l Installation Guide and Warranty

## Delivery and Moving:

Delivery of your Big Water Tank is to the entrance of your property. However, our driver has the discretion to deliver onto your site, provided that you have cleared a large access way.

An able-bodied person must be available on-site to assist with tipping the tank off the trailer.

Should you need to move your tank, empty it first and use a 1m long, 4x4 timber with a strap through the manhole. Lifting lugs can be supplied with the tank at an additional fee. A spreader bar or long straps (at least the diameter of tank) must be used to prevent excessive forces from squashing the tank. Contact BWT for guidance before moving your tank.

## Site Preparation:

Remember that Big Water Tanks are for **ambient temperature, potable water storage only**. Site preparation is the **responsibility of the purchaser**. Contact BWT should you have any questions.

- The site needs to be level and cleared with no rocks or materials that can damage the base of the tank and be able to support loads of at least 31 metric tons.
- If the site is filled, please ensure adequate compaction for loads of at least 31 metric tons.
- The area that supports the tank should be at least 200mm larger than the tank's base diameter e.g.:
  - Our 30,000 litre tanks have a 3780mm base diameter
  - The support area's diameter should be 4m
- 100mm layer of GAP7 or "crusher" (**see A**) should be used as a bed for the tank
- Prevent material washout e.g. with 100x50 timber (**see B**)
- Drainage is critical for a buried tank (max 700mm) to prevent uplift (**see C**):
  - Install a perforated drain coil around the base of the tank;
  - Direct the drain outflow to a lower lying area; and
  - Buried tanks must also be backfilled with bark.

## Plumbing:

- A flexible hose must be used to connect to the base of the tank (**see D**)
- Please note that polyethylene or alkathene pipe is not flexible
- Stormwater pipes should be installed into the dome (**see E**)
  - Use an upside-down 45-degree Y junction, vented at the top
  - The straight leg is plumbed from ground level
  - The 45-degree leg, tank inlet should be sealed with a rubber tank seal
- PVC Stormwater pipes should not exceed 150mm
- The overflow must be greater than or equal to the inlet pipe size using a Y junction as described above and the outflow must be directed away from the tank base (**see F**)

## 20-Year Warranty:

Big Water Tanks Ltd (BWT) warrants to the original purchaser that the tank will be free from material defects arising from the manufacturing process for a period of 20 years from the date of purchase and BWT may, at its sole discretion replace or repair a defective tank during that period subject to the following conditions.

The warranty is void if it is not registered or if the tank: is not installed correctly; is not used for ambient temperature, potable water storage only; base support degrades or washes out; is moved or handled incorrectly e.g. with any water in it; degrades due to bad weather, earth movement, trees, roots, fire or vermin; or if the original purchase receipt is not kept.

The following are excluded from the warranty: inlet and outlet fittings; colour changes over time; removable lids; reasonable weathering; consequential losses or damages including but not limited to any damage to buildings, production, or the like; and any damage to the dome of the tank.

Any defect must be reported to BWT within 5 days of occurrence with photographs showing the defect.

The warranty must be registered by the submission of photographs to BWT within 90 days of installation or any subsequent installation, clearly showing that the tank has been installed correctly in accordance with the instructions below. Include detail of all pipe-work, vents, base material, flexible outlet hose, backfilling, drainage, etc. Photographs must be submitted on the warranty page of the BWT website <https://www.bigwatertanks.co.nz/>, or by email.



**BWT**  
BIG WATER TANKS