

10,000 - 30,000 Litre Plastic MAX Water Tanks

Tank Installation Instructions Tank Lifting



Please read these guidelines before installation.

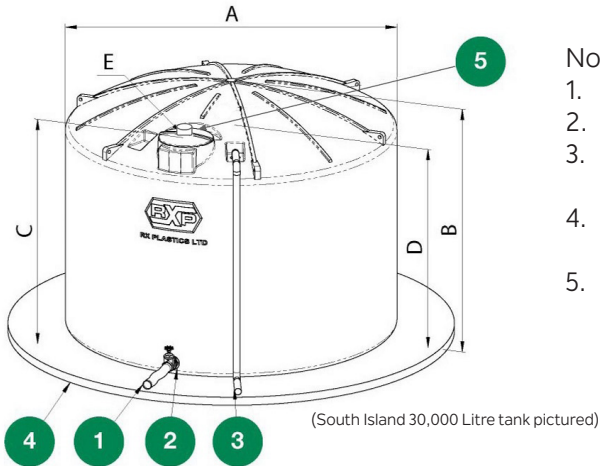
Failure to prepare and install your tank correctly will void your warranty.



by aliaxis

TANK SITE PREPARATION

Installation and use instructions for a 10,000 - 30,000 litre tank



Notes:-

1. Flexible hose
2. Outlet supported
3. Overflow must be piped well away from tank foundation
4. Foundation - 100mm compacted sand or concrete pad
5. Vent in lid (recommended position)

Volume	A (Tank ϕ)	B (Tank H)	C (Lid H)	D (Wall H)	E (Lid ϕ)
10,000L	2150	3300	3210	3000	450
15,000L	3000	2525	2360	2050	450
+25,000L	3500	3000	2730	2400	650
*26,000L	3550	3000	2730	2400	650
+30,000L	3900	3000	2730	2400	650
*30,000L	3900	3050	2940	2280	650

+North Island mould
* South Island mould

Advise RX Plastics immediately of transport damage prior to siting and installing your tank;

- It is the responsibility of the purchaser to ensure the tank is installed correctly using the guidelines supplied by RX Plastics and best plumbing practice.
- Select a site that is flat and level.
- The foundation (4) can be made from concrete; sand; crusher dust or compact native soil, measuring approximately 100mm deep and 600mm wider than the tank base. All bases (except concrete) must be supported to prevent erosion from wind, water and any other factor.
- On sloping ground, ensure actual tank site and surrounding area are level and that the area will remain free from any possible erosion damage in the future.
- RX Plastics DO NOT recommend that any RX Plastics tank is buried.

- Immediately after delivery, secure the Tank by either tying down with rope (avoid over tightening) or partially filling with water, approximately 300mm deep.
NOTE: - DO NOT attempt to lift a tank containing water - it must be completely drained before moving.
- RX Plastics require an overflow to be fitted. Ensure that the overflow does not erode the foundation. Overflow can be fitted in one of the panels beside the manhole (3). Minimum recommended overflow size is 90mm (subject to inlet size).
- Ensure all pipe work from the tank is supported to reduce stress on the tank. Use flexible pipe (1) or bellows on all pipework to allow the tank to expand and contract (Up to 100mm).
NOTE - PE pipe is not considered flexible.
- To avoid the possibility of internal pressure; vacuum or heat build-up (when empty or full), a vent (5) must be installed. A recommended vent of 100mm is required for AS/NZS 4766 certified tanks. Always seek advice from tank manufacturer before installing
- Any tank with an outlet (2) that is over 50mm BSP is not certified to AS/NZS4766.
- Any tank with an outlet (2) exceeding 100mm outlet fitting (126mm hole) in the lower section of the tank wall will NOT be covered by the RX Plastics warranty.
- Cleaning of tanks is advised if used for potable water supply. Seek advice from specialist tank cleaning company.
- Ensure any fittings that are screwed into the tank are not cross threaded and are not overtightened to avoid leaking.
- No unauthorised repairs, modifications or alterations should be undertaken without prior written approval from RX Plastics as this will void the warranty.
- RX Plastics do not recommend entering the tank for any reason, but if required follow MBIE guidelines on confined spaces entry before and during the procedure.
- Heavy unsupported loads are not permitted on the tank dome or wall - this includes standing on the dome under any circumstances or unsupported pipework.

TANK LIFTING

RX Plastics recommends the following for normal situations where a tank is required to be lifted into position using the moulded in lifting lugs.

- All lifting lugs to be used to perform this task
- Tank must be empty of all contents
- The use of spreader bars to be used on all lifting lugs
- Long chains or strops to be used to lift tank

Spreader bars to be no shorter than:

- 30K tank: 3800mm in length with a chain / strop length no shorter than 800mm from lug to spreader bar.
- 25K/26K tank: 3600mm in length with a chain / strop length no shorter than 800mm from lug to spreader bar.
- 15K tank: 3000mm in length with a chain / strop length no shorter than 600mm from lug to spreader bar.
- 10K tank: 2400mm in length with a chain / strop length no shorter than 500mm from lug to spreader bar.

RX Plastics recommends the use of compliant lifting equipment to Work Safe New Zealand guidelines.

These recommendations are for ground based lifting and do not include aerial transportation.

RXP

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