

westcon
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TANK INSTALLATION GUIDE

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Table of **CONTENTS**

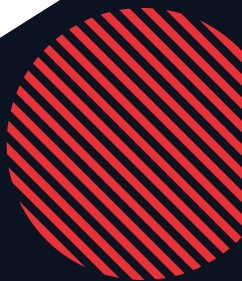
- 01** **Tank Installation
Guide**

- 02** **Recommended
Servicing**

- 03** **Warnings and
Precautions**

- 04** **Tank Warranty**

- 05** **Tank Drawings**



1. Tank Installation Guide

- 1. Excavation and Preparation of the Tank Hole:** After digging the tank hole, ensure the base is firm, undisturbed, and relatively level, with no large rocks present.
- 2. Access for Equipment:** A minimum one side of the excavation must be clear of obstructions to allow access for Westcon's equipment. Precise notification of any overhead or buried items is required.
- 3. Hole Dimensions:** Make sure the hole is at least 300mm (12 inches) wider and longer than the tank. For septic tanks, the front wall (inlet side) of the excavation should be as square and vertical as possible. Once the base preparation is complete, add a minimum of 100mm (4 inches) of washed sand or a granular bed into the hole.
- 4. Leveling the Sand Base:** Spread the sand with a hand shovel, then use a rake, a long straight edge, and a hand level to ensure the sand base is level in all directions.
- 5. Measuring Inlet Height for Septic Tanks:** For septic tanks, measure from the top of the leveled sand to the bottom of the inlet pipe trench to ensure the appropriate inlet height. In areas with a high water table, additional measures such as an anti-flotation pad, a diversion trench, dry well, and/or geo-textile cloth may be needed to maintain tank integrity.
- 6. Setting the Tank:** Place the tank or the base of the tank into the prepared excavation. For septic tanks, ensure the inlet side is as close to the front wall of the excavation as possible. Check for level.
- 7. Joining Sections of a Two-Part Tank:** If setting a two-part tank, lid, or manhole, clean and dry the groove by scouring with a wire brush, then dust with a bristle brush or cloth, and dry with a torch if necessary. Place the provided butyl rubber tape into the groove and lightly press down on the wax paper as you roll out the tape. When joining two rolls of tape, peel back the wax paper and overlap the butyl rubber by at least 600mm (24 inches). Ensure no debris falls onto the butyl rubber at this stage.
- 8. Aligning Tank Sections:** Carefully align the edges of the two sections when setting the top. In cold weather, keep the butyl rubber tape warm and pliable. Allow 24 hours for maximum settling before using the tank in cold temperatures.
- 9. Backfilling Timeline:** The tank should be backfilled within 24 hours but should not be used until the approved discharge is completed.

10. Installing the Manhole: When installing concrete manhole extensions, ensure the mating surfaces are clean and dry. Follow the same procedures as for the tank's tongue and groove.

11. Installing Ultra Rib Green Manhole Extensions: Ensure all mating surfaces are clean and dry. Lightly sand the surfaces, dust off any residue, and apply two-part epoxy to the outer edges of the Grade Ring Insert (GRI). Set the GRI into the GMH extended from the tank. Carefully place the cut piece of GMH extension onto the GRI and give it a 1/8 turn. Use any remaining two-part epoxy to further seal the outside of the GRI. Store the epoxy in a cool location during summer months.

12. Inlet/Outlet Lines: For the inlet pipe, use a 4" ABS pipe or a certified alternative with a minimum slope of 1% on solid ground for proper drainage. For the outlet pipe, ensure fluids can drain out of lines or install below frost level to prevent freezing.

13. Septic Tank Outlet Pipe: Use a 4" ABS sleeve sliding over the outlet pipe, extending from the tank's outlet groove 300mm (1 foot) to the solid ground of the discharge trench.

14. Using Brass Connections: Use brass connections for poly lines to prevent breaks from pressure or impact caused by backfilling and settling. Protect all external connections to the tank from possible shearing or breaking by keeping tanks close to banks and blocking or bridging any lines when possible.

15. Backfilling the Tank: For septic tanks, fill the cavity between the inlet side and the supply line trench with sand and hand tamp. Do the same for the cavity between the outlet side and the discharge trench. Bed any other external connections and electrical lines in sand. Use the excavation earth to backfill the rest of the tank, ensuring it is free of large stones (greater than 3 inches in diameter), frost lumps, or other debris.

16. Backfilling Extensions: Backfill around the circumference of the extensions evenly in a circular pattern to prevent shifting. Build up the earth around the extensions and leave extra dirt to allow for settling, ensuring it does not create a low area.

17. Settling Backfill Material: Allow the backfill material to settle naturally. Avoid artificial compaction around the tank and do not allow it on top of the tank.

18. Equipment and Vehicle Restrictions: All track or rubber tire equipment and vehicles must stay off the backfill directly above the tank and maintain a 3ft. distance from the tank's perimeter. Not following these guidelines will void any potential warranty claims.

2. Recommended Servicing

Regular maintenance and servicing are essential to ensure the longevity and proper functioning of your Westcon Precast Tank. We recommend the following servicing schedule:

1. Annual Inspection:

- Inspect the tank and surrounding area for any signs of damage or wear.
- Check inlet and outlet pipes for blockages or leaks.
- Ensure that manhole lid is function properly.

2. Pump-Out Schedule:

- For septic tanks, arrange for professional pump-out services every 3-5 years, depending on usage and tank size.
- Ensure that the pump-out is done by a certified professional to avoid damage to the tank.

3. Cleaning and Maintenance:

- Clean any filters or screens associated with the tank regularly.
- Remove any debris or build-up from the tank's exterior and surrounding area.

4. Seasonal Checks:

- Before winter, ensure that all components are protected from freezing temperatures.
- In areas with high water tables, check for any signs of flotation or shifting, and take necessary corrective measures.
- If leaving your tank for extended period of time during the winter have family, friend or neighbor flush toilet and run water with bacteria additive to help prevent field system from freezing.

5. Professional Servicing:

- Schedule professional servicing at least three to five years to ensure all components are functioning correctly and to address any potential issues before they become serious problems.

By following these recommended servicing steps, you can ensure the optimal performance and longevity of your Westcon Precast Tank.

3. Warnings and Precautions

To ensure the safety, functionality, and longevity of your Westcon Precast Tank, please adhere to the following warnings and precautions:

1.No Driving Over Tank:

- Do not drive vehicles over the tank.
- Ensure all track or rubber tire equipment remains off the backfill directly above the tank and maintains a 3ft. distance from the tank's perimeter.

2. No Running Heavy Equipment Over Tank:

- Avoid running heavy machinery over the tank.
- Heavy equipment can cause damage or compromise the tank's structural integrity.

3. Avoid Water Pooling Over Tank:

- Prevent water from pooling over the tank.
- Ensure proper drainage around the tank to avoid pressure buildup and potential damage.

4. Do Not Flush Non-Biodegradable Items:

- Do not flush non-biodegradable items, such as wipes, sanitary products, or plastics, into the tank.
- Only flush biodegradable waste to maintain proper tank function and avoid blockages.

5. Monitor for High Water Table Issues:

- In areas with a high water table, use additional measures such as an anti-flotation pad, diversion trench, dry well, and/or geo-textile cloth to maintain tank integrity.

6. Regular Inspections:

- Conduct regular inspections to check for any signs of damage, leaks, or blockages.
- Address any issues promptly to prevent further complications.

By adhering to these warnings and precautions, you can help ensure the safe and effective operation of your Westcon Precast Tank.