

## Before Installing Your Tank

Select a site where you are going to install the tank.  
Ensure you have all the equipment and tools needed for excavation:

- **Excavator**
- **Access port lids**
- **Screws included per lid or riser**  
(use type 304 stainless steel)
- **2 inlet/outlet gaskets**
- **2 inlet/outlet tees**
- **Tape measure**
- **Risers**
- **Socket wrench, shovel, level and utility knife**
- **PVC cement**
- **4" schedule 40 or SDR 35 pipe**
- **Sealant**



Rotoplas Septic System tanks must be installed according to state and/or local regulations. If unsure of the installation requirements for a specific site, contact the health department or permitting authority.

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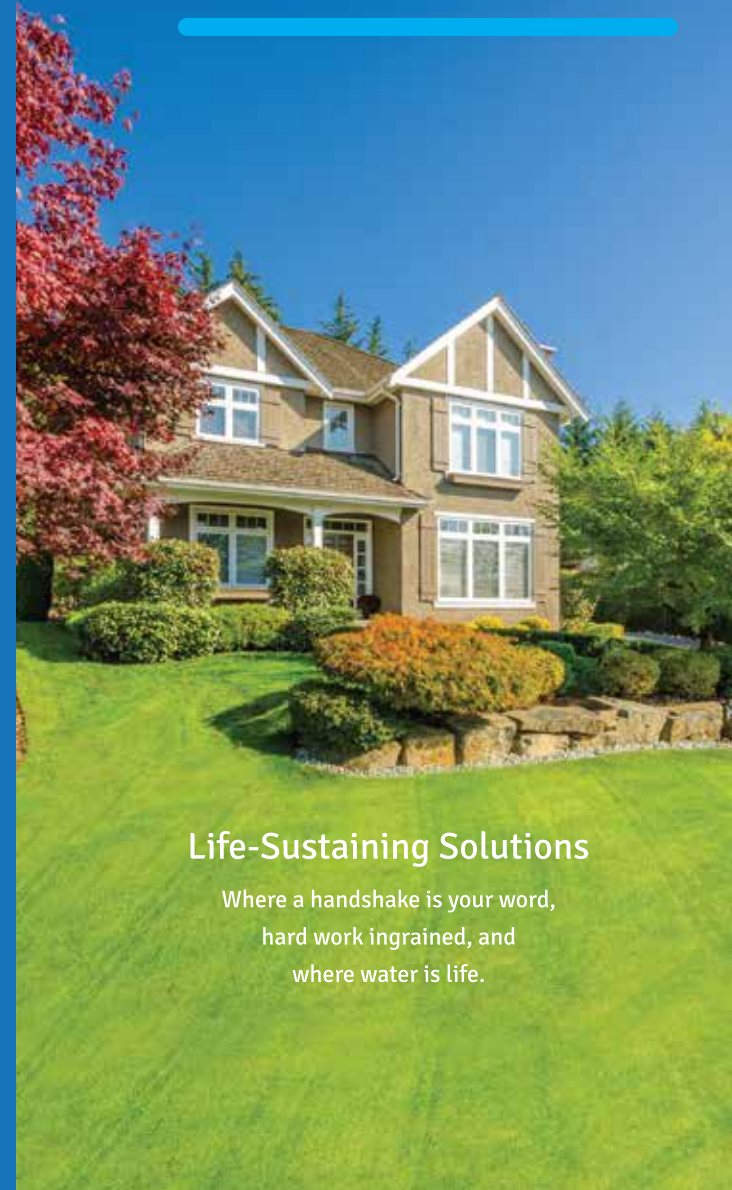


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**Rotoplas**

## Septic Tank and Cistern Installation Instructions



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# 1

## Excavation

1. Excavate a hole for the tank considering the following recommendations:

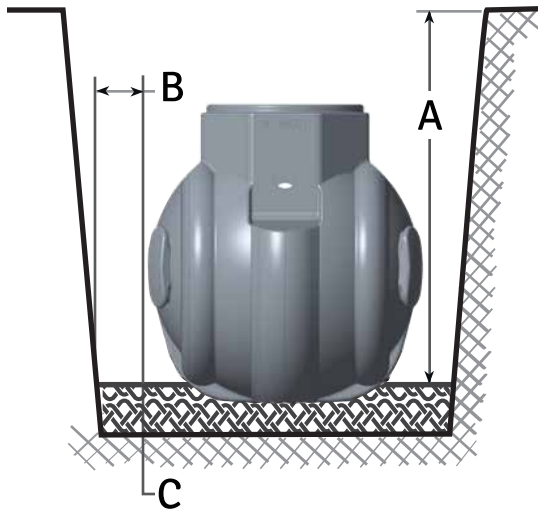
**A.** Excavate to a depth of 8" to 36" from the top of the tank.\*

**B.** Allow 18" to 24" on both sides and both ends of the tank to allow the installation of tank accessories.\*

**C.** In the base of the excavation, prepare a level 6" to 12" bed of compacted sand or soft compactable fill, free of sharp objects. Verify that the installation surface is flat.

2. Carefully lower tank into excavation, do not drop.

3. Align inlet and outlet with pipe trenches, it is important that the outlet is below level of inlet.



\* These points are important to prevent collapse of tank.

# 2

## Inlet/Outlet Gaskets

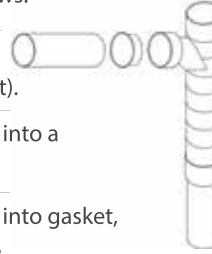
(For Septic Tanks Only)

1. Identify the Tees (4") and Rubber Gaskets (4") and insert them as follows:

**A.** Insert the gaskets in the holes on both ends of the tank (inlet/outlet).

**B.** From inside the tank slide the tee into a vertical position.

**C.** Ensure the tees are firmly located into gasket, connecting them with the 4" pipe.



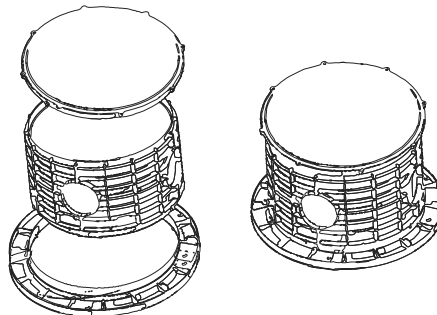
# 3

## Manhole Extensions

1. In sites where it is required to increase the height, you can use a riser\*, choose any option to achieve the necessary rise. Seal the adaptor ring to the riser with sealant and fasten it with the included stainless steel screws. Finally drill and fix lid in position with the supplied stainless steel screws.

2. Ensure that all connection surfaces are clean and dry. Before you backfill, install the adaptor ring to connect the lids to septic tank.

3. Apply the sealant\*\* to the bottom of the adaptor ring. Press the adaptor ring onto the septic tank, while applying pressure, drill 1/4" holes in adaptor ring and fasten with stainless steel screws (included). Do not over tighten screws, this may damage the plastic parts being connected, causing the connection to fail.



\*The risers are stackable.

\*\*Sealants vary between manufacturers. The installer must use discretion in determining the size and amount of sealant needed to craft and maintain a watertight seal.

# 4

## Backfilling the Tank

1. Fill tank with water after you start backfilling. Backfill around the tank with clean soil - fill and compact thoroughly.
2. Tamp and compact backfill under inlet and outlet pipes.
3. Ensure there are no large or sharp objects in backfill material.
4. The sand/gravel mixture should be: 100% smaller than 1 1/2", and about 50% smaller than 1/4".
5. Maximum backfill over the top of the tank is 36".



## Caution

- ⊗ Do not place under pathway of vehicles or heavy equipment.
- ⊗ Keep away from large roots and rocks.
- ⊗ Avoid placing tank in wet clay location or in a high water table.
- ⊗ Do not place in very sandy areas.
- ⊗ Deflect surface run-off away from tank area.
- ⊗ Tanks are not fire resistant. Store away from ignition sources.
- ⊗ Protect the tank from sharp objects which could puncture it and cause leakage.