

RHINO



SEPTIC TANKS



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| 1 Screw top cover. | 4 Backfill material (<i>well-rounded aggregate</i>). |
| 2 Manhole extension (optional) | 5 Bedding material 10" (25cm) min. |
| 3 Filter Port Extension (optional) | 6 8"-10" (20-25cm) concrete layer. |
| | 7 Concrete backfill. |

ROTOPLASTICS
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600 GALLONS SEPTIC TANK INSTALLATION INSTRUCTIONS

Excavation

1. a. Without manhole extension: The hole must be 105" (267 cm) in length; 68" (173 cm) in width; and 81" (206 cm) in depth.
b. With manhole extension: The hole must be 105" (267cm) in length; 68" (173cm) in width; and 99" (252cm) in depth.
This provides enough space for the tank with an additional side-wall allowance of 18" (45.7 cm), which is necessary for the compaction of the backfill material.
2. The base must be firm and level.
3. The minimum backfill cover at the top should be 6" (15cm).

Bedding

Bedding should be a well compacted gravel mixture with a minimum depth of 10" (25 cm).

Dry Ground Installation

1. Ensure that the tank is level and that the ports marked "IN" and "OUT" are in their correct positions.
2. Before backfilling, place 12" (30.5 cm) of water into the tank; then keep the water level in the tank at the same height with the backfill as backfilling progresses.
3. Begin to backfill at one end of the tank first, then continue around the perimeter of the tank in 12" (30.5 cm) layers. The backfill material must be well rounded aggregate up to 1/2" (1.3 cm) diameter and must be free from large stones or sharp objects. Tamp around the tank. NOTE: Never backfill on one side only - backfill around the tank uniformly.

Wet Ground Installation

For areas with a high water table, the tank must be anchored securely in concrete.

1. At the base of the excavation, cast a concrete layer of 8" - 10" (20 - 25 cm) thick. Ensure that the tank is level and that the ports "IN" and "OUT" are in their correct positions.
2. After the concrete has reached its initial set, place 12" (30.5 cm) of water into the tank; continue to backfill around the tank with concrete, keeping the water level equal with that of the backfill material in order to equalize the pressure on the tank.
3. Backfill around the tank with concrete, ensuring a minimum thickness of 6" - 8" (15 - 20cm).

WARNING

1. Never use sharp objects around the tank, as they may puncture the tank.
2. **DO NOT** install tank in the path of heavy equipment or vehicular traffic.
3. Tanks are designed for underground use only.
4. **Upon pumping out the tank for routine maintenance, the tank should be refilled immediately. The septic tank may collapse if left empty underground.**