



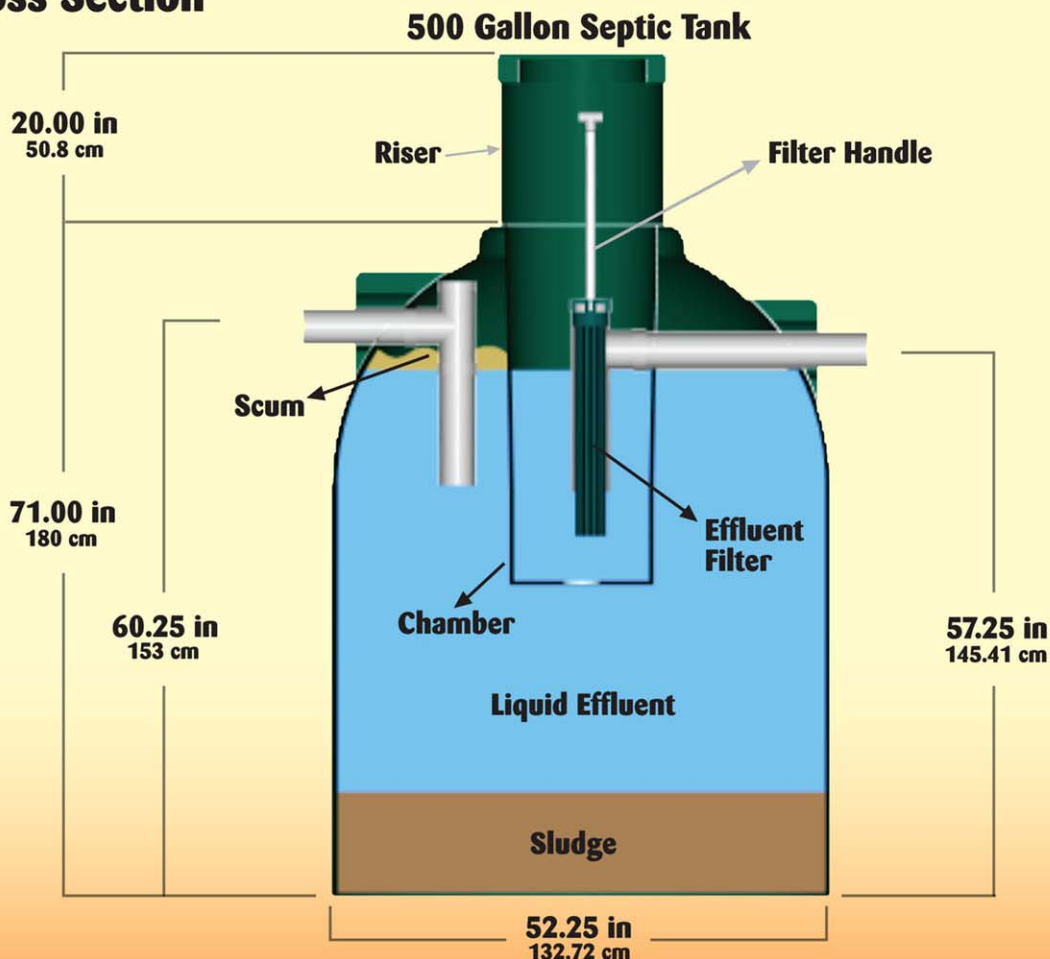
## 500 GALLON - 1892 LITRE

### A better way to handle effluent disposal

**Rhino Septic Tanks offer features that traditional tanks do not.**

- Exceptional strength and durability.
- Resistant to fracturing - with their prime grade polyethylene structure. Rhino septic tanks can withstand earth pressure that will fracture traditional concrete tanks.
- Resistant to most chemicals and impervious to corrosion.
- Lightweight and compact.
- Fitted with extra chamber and effluent filter.
- Available with optional Riser (manhole extension) and filter extension handle for easy access.

### Cross Section



# How The Rhino Septic Tank Works

The primary function of the septic tank is to remove solids from the wastewater and provide a clarified effluent for disposal. The septic tank provides a relatively still body of water where the wastewater is retained long enough to let the solids separate by both settling and floatation. This process is called primary treatment and results in three products.

**Scum:** Substances lighter than water float to the top, where they form a layer. Aerobic bacteria work at digesting floating solids (i.e. scum).

**Sludge:** The heavier solids (e.g. soil, grit, bones, unconsumed food particles), which are denser than water and fluid in nature, settle to the bottom of the tank and forms a layer. Anaerobic bacteria decrease the volume of the sludge in the tank by consuming organic material.

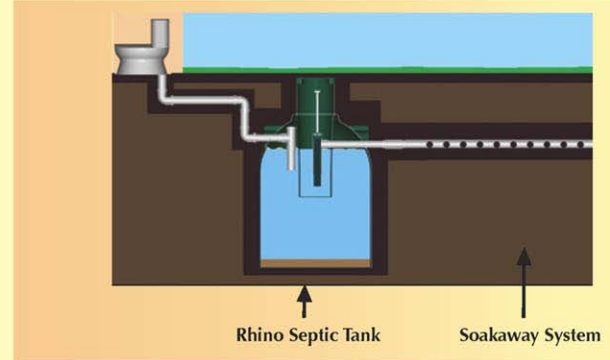
**Liquid Effluent:** Effluent is the clarified wastewater left over after the scum has floated to the top and the sludge has settled to the bottom. It is the liquid between the scum and the sludge. It flows through the septic outlet and can be disposed of using one of the following methods:

## a Seepage Pit (Soakaway)

An excavated area lined with boulders or concrete blocks where the effluent is temporarily stored until it gradually seeps out and infiltrates the surrounding sidewall soil.

## b Absorption Trenches

Shallow gravel-filled trenches with a perforated pipe near the top of the gravel which distributes the wastewater throughout the length of each trench.

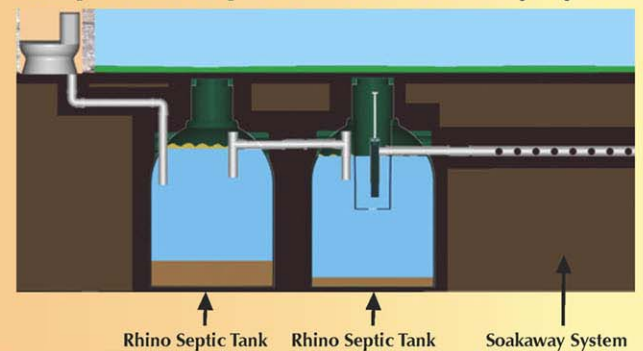


# Capacity of Rhino Septic Tank

Quality	Volume (Gallons)	Volume (Litres)	Diameter	Height (with cover)	Recommended No. of users
1 Tank	US 500	1,893	52.25" (132.72cm)	71" (180cm)	6

Any number of Rhino Septic Tanks can be easily adapted to a system to facilitate larger numbers of users.

## Multiple Rhino Septic Tanks into Soakaway System



# Cleaning the filter

Remove the Septic tank cover. Turn the filter handle anti-clockwise and lift out the cartridge leaving the sleeve in the sanitary Tee. Clean cartridge by holding it over the Septic tank and rinse with hose until clean. Clean the sleeve inside and outside. Reinsert the cartridge, turn it clockwise (right) to lock in place and replace the Septic tank cover.

# General Guidelines

- Don't flush anything down the drain that is not biodegradable - disposable diapers, condoms, feminine hygiene products, anything plastic, etc.
- Do not use any type of septic system additives/ enzymes in your system. They do not work and can actually cause problems.
- Always refill the tank with water following periodic septic pumping.



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