

Rotonics Manufacturing Inc.



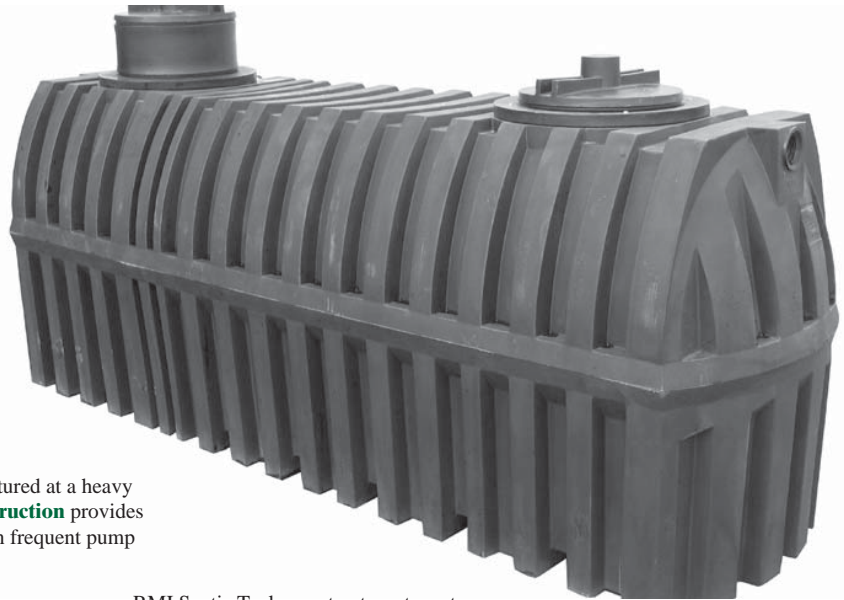
Threaded lids and risers have a rubber gasket to provide a **watertight seal**.

Low profile tank allows for shallow excavation to meet required installation depth.

RMI Septics are manufactured at a heavy weight. **Thick wall construction** provides a long service life, even in frequent pump applications.

Optional 9" stackable risers offer **manhole accessibility**, allowing easier inspection of system for pumping and real estate transactions.

Bigger is better. Each chamber provides more leaching capacity, providing an efficient, more reliable system.



RMI Septic Tanks can treat waste water better than most sewage treatment plants, at a **fraction of the cost**.

Durable, seamless, polyethylene tanks will not crack or corrode and are not affected by chemicals or sewer gas.

Septic Tanks *500, 1250, & 1500 Gallons*

Quality Products & Exceptional Service

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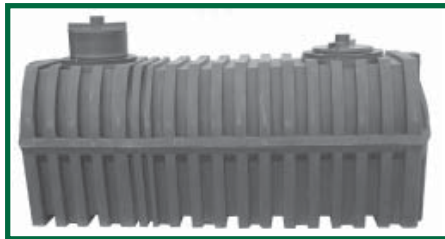
Specifications



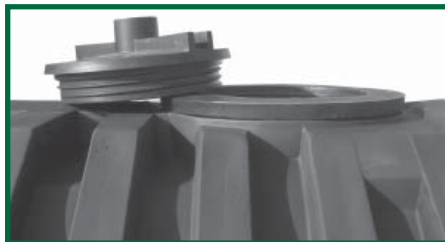
500 Gal. Septic



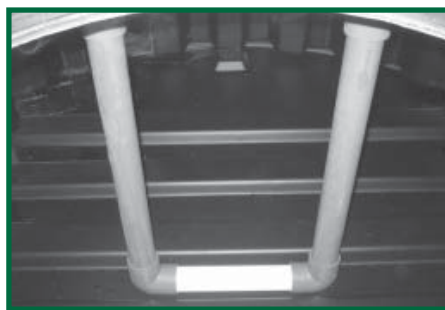
1250 Gal. Septic



1500 Gal. Septic



Threaded Lid



Internal Support Braces



Internal Baffle used in the 1500 Gal. Septic

Septic tanks were first introduced in Europe in the late 1800's. Until now, the design has been largely unchanged. With over 25 years of experience in the design and manufacture of septic tanks, RMI is pleased to introduce several design enhancements that facilitate installation, increase treatment efficiency, and provide for a long service life. We believe we offer the most effective septic tank available for on-site wastewater treatment.

Optimum Treatment of Sewage

- RMI septic tanks meet IAPMO standards.
- The 1250 and 1500 gallon septic tanks are IAPMO Certified.
- Large surface areas (38 sq.ft. for the 1250 gallon and 66 sq.ft. for the 1500 gallon) provide a larger volume for bacteria treatment, resulting in a higher quality effluent.
- In the 2/3 and 1/3 compartments for the 1250 and 1500 gallon septic tanks, solids are digested in the first compartment, while the second compartment provides an area of quiescent settling. This also improves the removal of BOD and suspended solids.
- Gas baffles prevent gas bubbles from carrying solids to the second compartment.
- Watertight, threaded, 20" lids (standard) and threaded stackable 9" risers (optional) provide easy access for inspection and maintenance.
- A large 20" entry/view port with manway risers and a sealed lid with gasket are available.

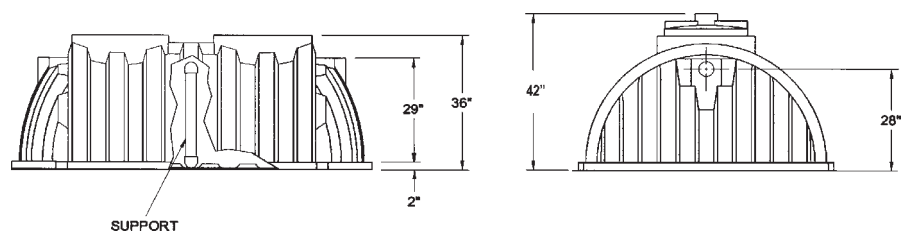
Ease of Installation and Handling

- Tanks are light weight for easy transportation and installation.
- Low profile tank design minimizes excavation depth.
- Sanitary tee and pipe gaskets are optional.
- Installation instructions enclosed with each tank.

Infinite Service Life

- Rotationally molded, seamless, polyethylene tanks will not rust or crack and are not affected by chemicals or sewer gas.
- Ribbed design will support soil loads greater than 500 lbs. per ft², often seen at 3' burial depth.

500 Gallon Septic Tank



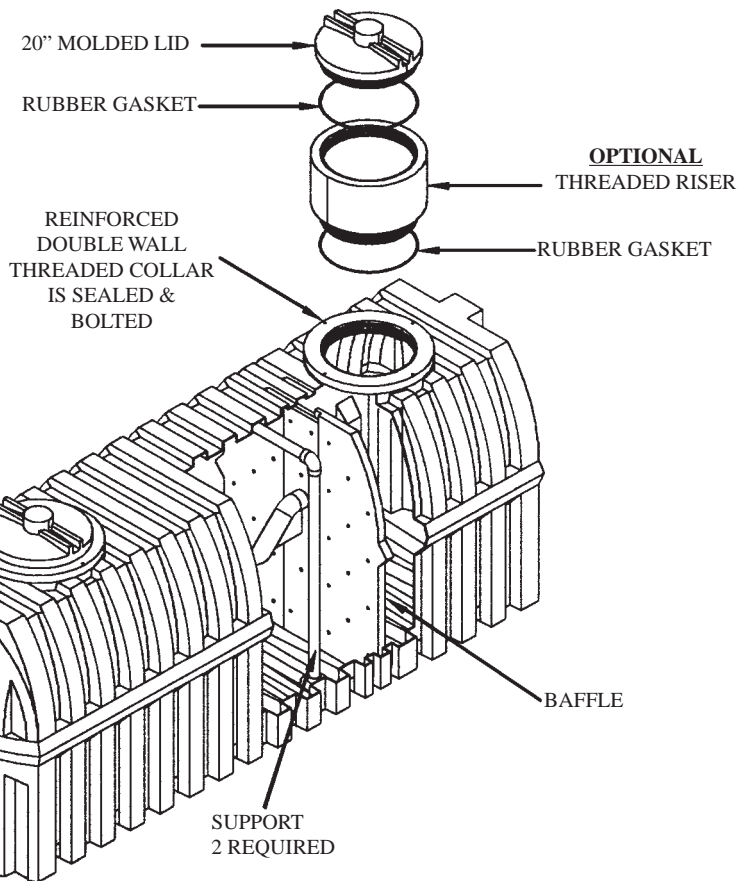
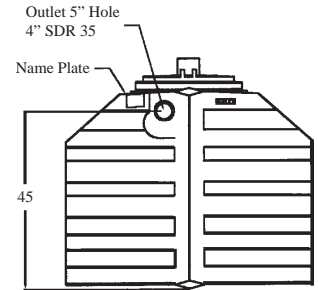
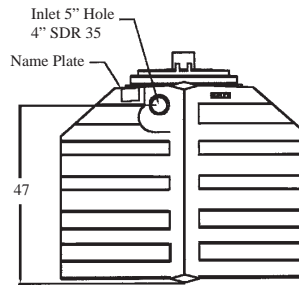
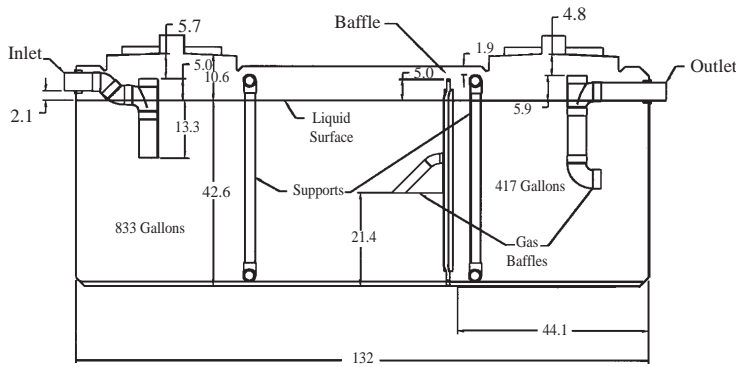
Specifications:

	Dimensions (In.)			Volume (Gallons)	Height (In.)	
	L	W	H (w/lid)		Inlet	Outlet
1500 (2/3 -1/3)	162	51	69	1543	58	55
1250 (2/3 -1/3)	132	63	58	1250	47	45
500	92	68	42	500	28	28

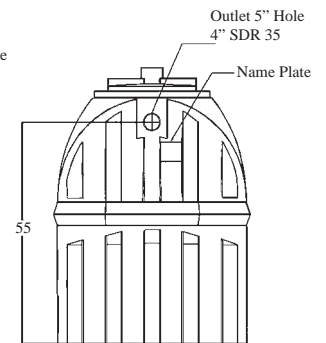
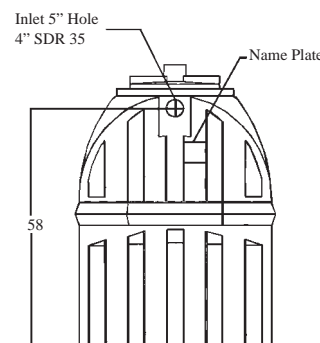
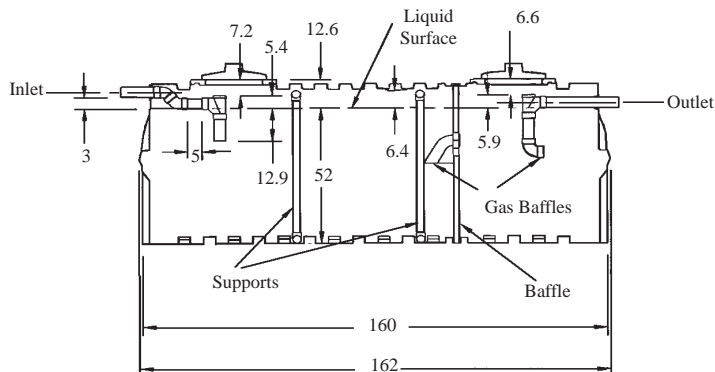
Bigger is Better!

Each chamber provides more leaching capacity.

1250 Gallon Septic Tank



1500 Gallon Septic Tank



INSTALLATION OF RMI SEPTIC TANKS

*RMI installation instructions do not take precedence over State and City Regulations.
Please refer to all State and City codes regarding the installation of this tank.*

1. Inspect tank for shipping damage.

2. Site requirements:

- a. Locate tank as close to dwelling as possible within local code specifications.
- b. Tank should be accessible for maintenance and pumping, but not subject to vehicle traffic.
- c. Soil conditions should be stable and not subject to high ground water, flooding, or sliding.

3. Excavation: (Will allow approximately 1' of clearance around entire tank.)

<p>500 Gallon Septic:</p> <ul style="list-style-type: none"> a. Excavate hole 9.5' long and 7.5' wide. b. The bottom of the tank inlet pipe must be 26" above the bottom of the tank. 	<p>1250 Gallon Septic:</p> <ul style="list-style-type: none"> a. Excavate hole 13' long and 7' wide. b. The bottom of the tank inlet pipe must be 45" above the bottom of the tank. 	<p>1500 Gallon Septic:</p> <ul style="list-style-type: none"> a. Excavate hole 15.5' long and 6.5' wide. b. The bottom of the tank inlet pipe must be 56" above the bottom of the tank.
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Important Note: *Foundation should be level, compact, and free of sharp rocks. The maximum burial depth of the tank shall not exceed 3' from the top of the tank to the surface of the ground.*

4. Install threaded collar: (Does not apply to 500 gallon septic.)

- a. Drill one 3/8" diameter hole in tank manway opening. Manway has four (4) drill points to choose from.
- b. Apply ample silicone to bottom of collar groove.
- c. Install one bolt from inside of tank and install collar onto tank. Place washer and nut onto bolt.
- d. Drill through the three (3) other collar openings into the tank and install bolts, washers, and nuts.
Do not over tighten the nuts.
- e. To prevent liquid infiltration, cover bolt heads with silicone on the inside of the tank.

5. Inlet and outlet holes are sealed with plastic; use a 5" hole saw to open inlet and outlet.

6. When positioning the tank into excavation, make sure the "Inlet" end of the tank is towards the dwelling.

7. Tee and Gasket Installation:

<p>500 Gallon Septic:</p> <ul style="list-style-type: none"> a. Install Neoprene Gaskets into square hub area. b. Outlet Side: Install 4" pipe through gasket into tank. c. Inlet Side: Install 4" pipe through gasket into tank. 	<p>1250 Gallon Septic:</p> <ul style="list-style-type: none"> a. Install Neoprene Gaskets into preformed hub area. b. Outlet Side: Install pipe through gasket and make connection to 4" Sanitary Tee. Solvent Weld Cement is required for sealing connections. Use liquid soap for lubrication. c. Inlet Side: Install 4" pipe through gasket and make connection with two 45° female/male elbows and one 4" Sanitary Tee per line drawing to locate placement. d. Both Sanitary Tees are positioned in the Manway Opening. e. Install vertical down PVC pipe to extend 12" into liquid on both the Inlet and Outlet ends, unless local code states otherwise. 	<p>1500 Gallon Septic:</p> <ul style="list-style-type: none"> a. Install Neoprene Gaskets into preformed hub area. b. Outlet Side: Install pipe through gasket and make connection to 4" Sanitary Tee. Solvent Weld Cement is required for sealing connections. Use liquid soap for lubrication. c. Inlet Side: Install 4" pipe through gasket and make connection with one 45° female/male elbow, one 45° male/male elbow, one 9" long PVC pipe and one 4" Sanitary Tee per line drawing to locate placement. d. Both Sanitary Tees are positioned in the Manway Opening. e. Install vertical down PVC pipe to extend 12" into liquid on both the Inlet and Outlet ends, unless local code states otherwise.
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8. Vertical Braces:

500 gal: Make sure the PVC vertical brace is positioned in the center rib of the tank.

1250 gal & 1500 gal: Make sure the PVC vertical braces are positioned correctly in the first available rib adjacent to the manway openings.

9. Install Manway Lid and/or Risers before backfilling. Risers come in 9" increments and may be stacked to accomplish required height.

10. Backfill with 12" maximum layers of soil. Layers must be well compacted, starting at the ends first. Fill tank with water during backfill operations maintaining equal level with soil. Do not backfill top of tank until water level is up to the outlet elevation of the tank. Mound soil over tank to provide positive drainage away from the tank and to allow for soil settling in the excavated area.

11. General Information:

- a. Do not allow any vehicle to drive over the tank.
- b. The RMI Septic Tanks are not suitable for high ground water locations.
- c. Failure to follow RMI installation instructions and general information will void Warranty.

SEE LIMITED WARRANTY FOR DETAILS