

TB 238-16

Septic Tank Plumbing Kits

Product: Roth RMT MultiTank products

Date: August 25, 2016

The purpose of this bulletin is to provide necessary details for selection and installation of Tee-baffles for inlet and outlet fittings used in Roth RMT products.

Inlet fitting

Due to the geometry of the Roth RMT-500 through RMT-1500 tanks, only a long radius sweep wye fitting may be used on the inlet end of the Roth RMT tank. Roth provides this fitting with all tanks ordered with the plumbing kit option except where regulatory requirements exclude it.

Inlet fitting installation

Step one

The sewer pipe installs with a watertight pipe seal (provided with tank) in the inlet end of the tank at the prescribed invert position (A dimple for 40 in LL and B dimple for 42" LL). The sewer pipe must project into the tank to a depth of 5.00 to 5.50 inches. (Fig 1 Dimension A)

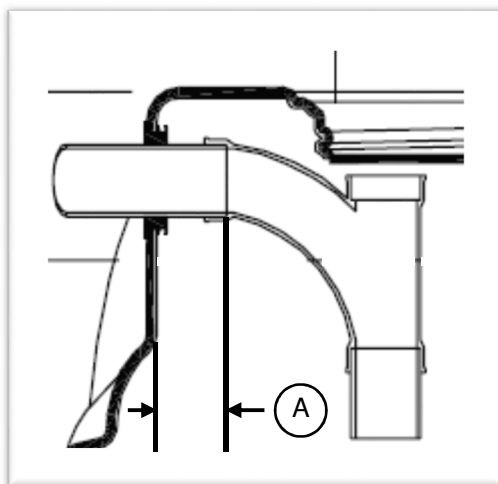


Fig 1

Step two

Solvent weld the sweep wye inlet fitting to the end of the sewer line such that the vertical stack is just inside the manway ID and the extension is on the bottom of the fitting. (Fig 1)

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Outlet fitting

The plumbing kit provided with the Roth RMT tank includes a Tuf-Tite TB 4 sanitary tee baffle compatible with the Tuf-Tite EF 4 effluent filter screen, also available from Roth.

Outlet fitting installation

Step one

The effluent pipe installs with a watertight pipe seal (provided with tank) in the outlet end of the tank at the prescribed invert position (A dimple for 40 in LL and B dimple for 42" LL). The effluent pipe must project into the tank to a depth of 11.00 to 11.50 inches. (Fig 2 Dimension B)

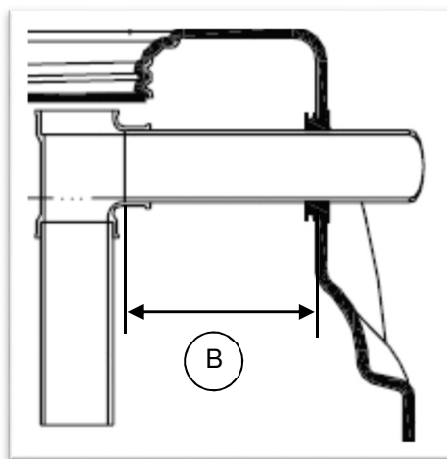


Fig 2

Step two

Solvent weld the Tuf-Tite tee outlet fitting to the end of the effluent pipe such that the vertical stack is just inside the manway opening and the extension is on the bottom of the tee. (Fig 2)

Gas baffles

Many AHJs recommend or require that septic tank outlet tees include a gas or bubble baffle attached to the lower extremity of the outlet fitting. This baffle prevents gas bubbles that rise from accumulated sludge in the bottom of the tank from entering the outlet fitting. The concern is that these bubbles will carry with them tiny amounts of solid material and over time, these will find their way into the soil treatment system if the bubbles are not diverted away from the outlet fitting.

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Gas baffles cont.

Roth plumbing kits include a gas baffle where state regulations include a recommendation or requirement for their use. Tuf-Tite gas baffle GB 1 straps around the bottom of the TB 4 baffle and is secured with a plastic thumb screw. Fig 3 & 4

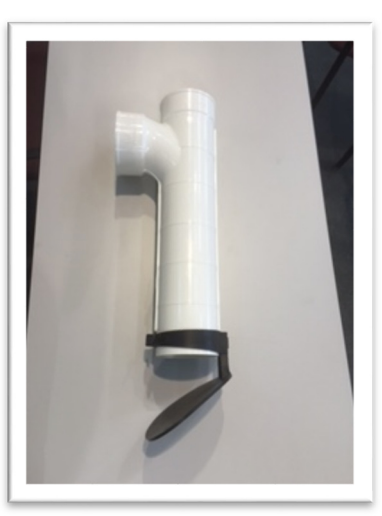


Fig 3



Fig 4

Please reference complete installation instructions and installation key facts for additional tank installation guidance.

Please contact Roth Technical Department using the contact information below with any questions regarding this bulletin.