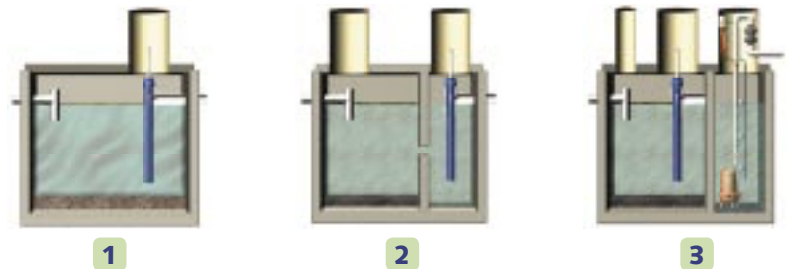


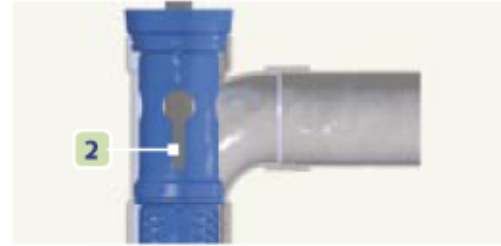
SaniTEE® Wastewater Screens

SaniTEE® self-cleaning wastewater deflection screens (commonly known as septic tank effluent filters) are designed to reduce suspended solids discharged in septic tank effluent by promoting natural sedimentation and excluding gas-lifted particles from entering the outlet pipe. Additionally, SaniTEE's patented keyhole weirs help to attenuate surge flows, delivering a more consistent flow for further treatment or dispersal. These features help extend the lives of drain fields, reduce the clogging of orifices in effluent disposal systems and allow flexibility in the use of different types of effluent pumps. SaniTEE wastewater screens are available in 4", 8" and 16" model sizes with flow capacities up to 20,000 GPD. Multiple screens can be used for flows higher than 20,000 GPD.



Applications

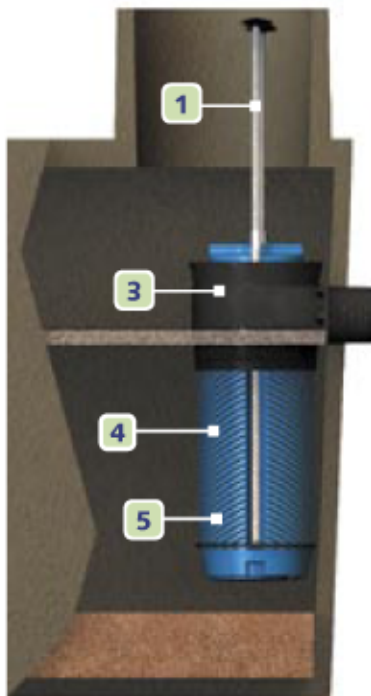
- 1 Single Compartment Tank with Gravity Discharge** - SaniTEE® is installed into the outlet tee of the tank. Its angled slots protect the drain field by retaining the suspended solids inside the tank.
- 2 Dual Compartment Tank with Gravity Discharge** - This configuration utilizes the SaniTEE in the outlet tee of the second compartment, and provides additional solids retention due to flow attenuation and the dual-compartment design.
- 3 Dual Compartment Tank utilizing an effluent pump** - This configuration provides primary screening in the first compartment and allows flexibility in the use of different types of effluent pumps.
- 4 Commercial Usage** (in any of the above configurations) - SaniTEE can also be utilized at such decentralized commercial properties as restaurants, laundromats, gas stations, beauty shops or veterinary clinics. When used in these applications, SaniTEE provides many benefits including prolonged drain field life and ease of maintenance.



In the interest of technological progress, all products are subject to design change without notice.

Unique Design Characteristics

- 1 Self-Cleaning Screen and Swab Feature** - The smooth exterior surface of the SaniTEE® promotes the deflection of solids back into the septic tank. Any solids that become trapped in the angled slots can be easily dislodged with a simple swab of the screen.
- 2 Keyhole Weirs** - Surge flows are common in normal residential applications due to simultaneous discharge from many fixtures in the home (i.e. laundry day). The patented keyhole weirs provide flow attenuation to dampen these surge flows that otherwise may scour solids out of the septic tank with the effluent.
- 3 Custom Diverter** - Used in 8" and 16" SaniTEE applications, the diverter acts as a custom-engineered outlet tee to prevent scum and gas-lifted solids from being discharged into the drainfield. Once the custom diverter is secured to the tank wall and connected to the outlet pipe, the SaniTEE screen easily slips into the diverter like a sword in a sheath.
- 4 Angled Slots** - Angled slots, similar to those used in industrial well screens, are used because they resist blinding (clogging) better than mesh-type screening devices. The appropriate slot width does not allow nuisance solids to be discharged. Additionally, it has been found that most solids suspended in a tank float horizontally, like a leaf at the water surface. Therefore, the angled orientation of the slots is most likely to block the entrance of most solids.
- 5 Gas-lifted Solids Deflection** - It is well known that solids are lifted by various gasses present in septic tanks. These gas-lifted solids often rise into the end of the outlet tee and are discharged with the effluent. When SaniTEE is utilized, flow must enter from the side, not the bottom, so the escape of gas-lifted solids is virtually eliminated.



SaniTEE® Specifications

Model Sizes	Screen Diameter	Screening Level	Flow Range
SNT416	4 inch	1/16 inch	Up to 1000 GPD
SNT418	4 inch	1/8 inch	Up to 2000 GPD
SNT818	8 inch	1/8 inch	Up to 6000 GPD
SNT838	8 inch	3/8 inch	Up to 10,000 GPD
SNT1618	16 inch	1/8 inch	Up to 10,000 GPD
SNT1638	16 inch	3/8 inch	Up to 20,000 GPD

Simple Installation and Maintenance

The installation of SaniTEE consists of dropping it inside a standard septic tank outlet tee or custom diverter. When cleaning the SaniTEE, simply move the swab handles forcefully up and down to pass the swab through the center or exterior of the screen. This swabbing action will dislodge any debris that might be trapped in the angled slots. If inspection is required, SaniTEE can be removed easily by simply lifting the screen out of the outlet tee or diverter.



5128 Flag Drive Gallows Bay
Christiansted St. Croix 00824
340.778.3156

