



## Installation & Maintenance Manual for SaniTEE® Wastewater Screens

*For Use with ST416 and ST418 Model Sizes Only*

### Bio-Microbics, Inc.

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**WARNING:** Hazards exist in confined spaces such as a new or used buried septic tank. No one should be allowed to enter the tank under any circumstances. The hazards include presence of dangerous or fatal gases, insufficient oxygen, and the collapse of the tank and entrapment of personnel. Always keep tank openings covered during storage and installation. **Failure to do so could result in severe bodily injury or death.**

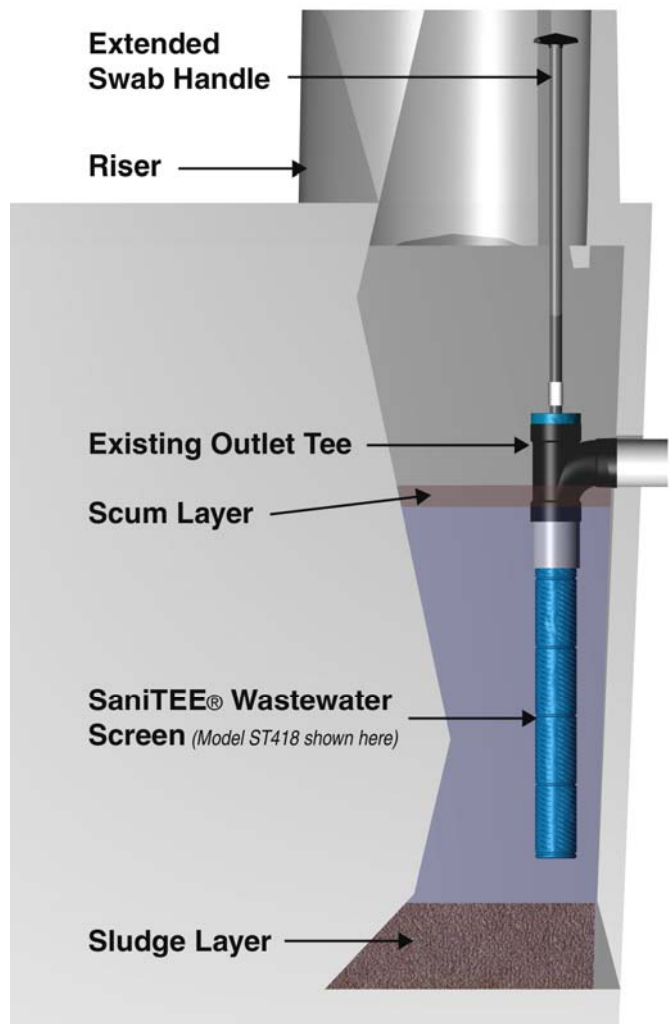


**CAUTION:** If any person comes in contact with any of the wastewater (influent or effluent), immediately remove all contaminated clothing and soak in a detergent solution with a disinfectant. The person who has come in contact with the wastewater should then thoroughly wash the exposed area with soap and water.

**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.

**Installation** – SaniTEE fits inside a standard 4" septic tank outlet tee. If the outlet tee is already installed, make sure some stub pipe has been to the tee's bottom inlet. This helps keep the scum layer from penetrating the screen. With the outlet tee and down pipe in place, begin SaniTEE installation by sliding the SaniTEE into the outlet tee until it stops. This should cause the bottoms of SaniTEE's patented keyhole weirs to be about the same elevation as the flow line of the outlet pipe from the septic tank. Do not glue the SaniTEE into the outlet tee so the screen can be removed if needed.

**Swab handle assembly** – Each SaniTEE is furnished with a pre-assembled cleaning swab made of 3/4" Sch. 80 PVC piping. The molded swab handle, however, has not been glued to the swab, which allows you to extend the length of the cleaning swab for better accessibility. Parts/materials required (but not included) for swab handle extension: (1) 3/4" Sch. 80 PVC pipes cut to desired length, (1) 3/4" Sch. 80



PVC slip-to-slip couplings and PVC primer/cement. Start the extension process by measuring the depth of the SaniTEE (installed) to determine the desired length of the extension pipe. Cut the ¾" pipe to the desired length and then glue and connect the extension pipe to the existing swab pipe with the slip-to-slip coupling. When completed, glue the molded swab handle to the swab extension pipe, which should now be sitting just below the manhole cover.

**Simple maintenance** – The SaniTEE should be cleaned each time the septic tank is pumped. If sewage flow is noticeably slowed by the SaniTEE, more frequent cleanings may be necessary. For installations other than single-family homes, more frequent cleaning may be necessary. Inspect the SaniTEE as needed to make that determination.

To clean SaniTEE, forcefully move the internal cleaning swab up and down several times, running the swab the entire length of the screen. If desired, you may also lift the SaniTEE out of the outlet tee and rinse it off. SaniTEE can also be used like a dipstick to see how much sludge has accumulated in the tank. If you see signs of sludge on the bottom of the SaniTEE screen, or if required cleanings becomes more frequent than usual, have the tank pumped. Always have the tank pumped at routine intervals as suggested by your state regulatory authorities.

**Warranty** – Bio-Microbics, Inc. warrants that the SaniTEE product will be free from defects in material and workmanship for a period of one year from the date of purchase. During the warranty period, if any part is defective or fails to perform as specified when operating at design conditions, and if the equipment has been installed and is being operated and maintained in accordance with the written instructions provided by Bio-Microbics, Inc., Bio-Microbics, Inc. will repair or replace at its discretion such defective parts free of charge. Defective parts must be returned by owner to Bio-Microbics, Inc.'s factory shipping pre-paid, if so requested. The cost of labor and all other expenses resulting from replacement of the defective parts and from installation of parts furnished under this warranty shall be borne by the owner. This warranty applies only to the SaniTEE screen and does not include any of the plumbing, drainage, septic tank or disposal system. Bio-Microbics, Inc. reserves the right to revise, change or modify the construction and/or design of the SaniTEE screen, or any component part or parts thereof, without incurring any obligation to make such changes or modifications in present equipment. Bio-Microbics, Inc. is not responsible for consequential or incidental damages of any nature resulting from such things as, but not limited to, defect in design, material, or workmanship, or delays in delivery, replacements or repairs.

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