



Installation & Maintenance Manual for SaniTEE™ Wastewater Screens

For use with all model sizes

Bio-Microbics, Inc.

Installation & Maintenance Manual © 2003 Bio-Microbics, Inc. Revised October 2003

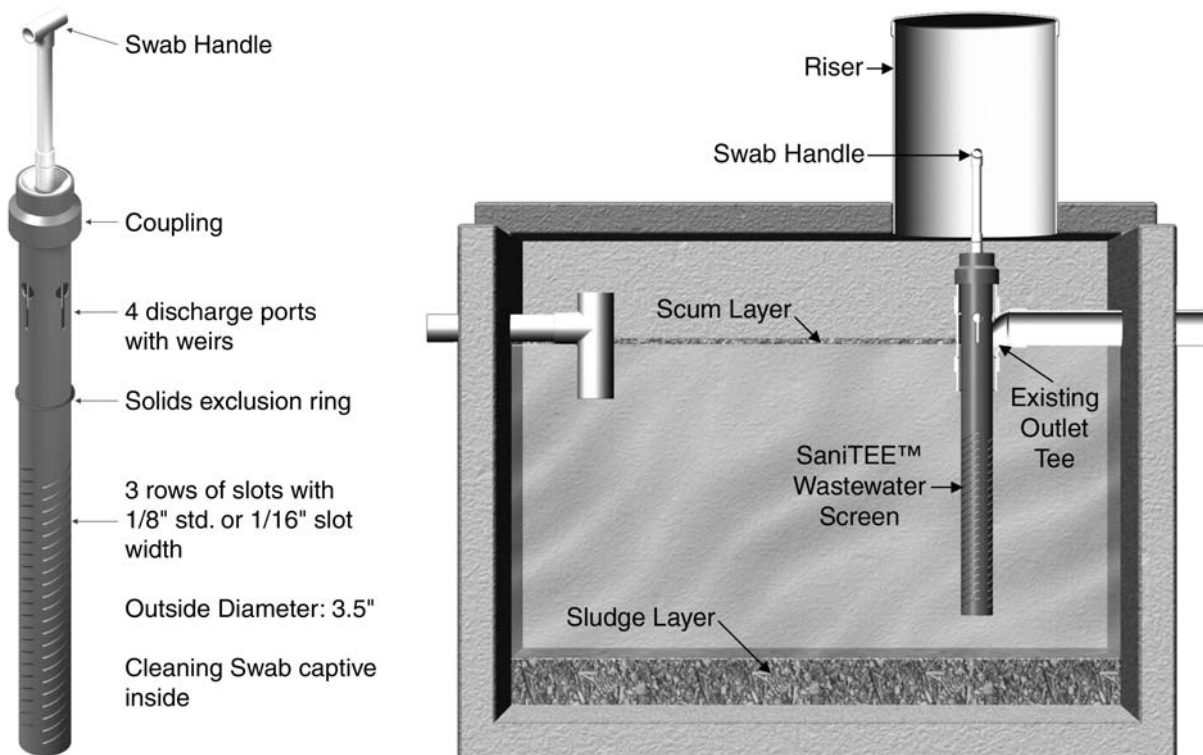


WARNING: Hazards exist in confined spaces such as a new or used buried septic tank. No one should be allowed to enter the tank under any circumstances. The hazards include presence of dangerous or fatal gases, insufficient oxygen, and the collapse of the tank and entrapment of personnel. Always keep 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. Begin installation by sliding the SaniTEE into the stub pipe extending out of the top of the outlet tee until it stops. If there is no existing stub pipe in the top of the outlet tee, install one, sticking out of the socket 3 inches. This should cause the bottoms of the weirs on the SaniTEE to be about the same elevation as the flow line of the outlet pipe from the septic tank. Do not glue the SaniTEE coupling onto the stub pipe; leave it unglued so SaniTEE can be removed.

Swab handle assembly – Each SaniTEE is furnished with a swab handle ($\frac{3}{4}$ ” Sch. 40 PVC Socket TEE, a short piece of $\frac{3}{4}$ ” PVC pipe and a $\frac{3}{4}$ ” Socket/threaded male adaptor fitting). The swab handle is used to operate SaniTEE's patented internal cleaning swab. The length of the swab handle can be adjusted if a longer handle is desired. To adjust the handle length, cut a piece of Sch. 40 PVC $\frac{3}{4}$ ” pipe to the desired length and solvent cement it to the handle tee and male adaptor fitting. When completed, screw the swab handle into the female adaptor fitting located on the top of the SaniTEE.

Simple maintenance – The SaniTEE should be cleaned each time the septic tank is pumped, or if sewage flow from the home is sluggish, and routinely once per year. More frequent cleanings are not harmful. For installations other than at single-family residences, more frequent cleaning may be necessary. Inspect the SaniTEE as needed to make that determination.

To clean SaniTEE, move the swab up and down a few times, running the rubber disk the length of the screen. If desired, you may also lift the SaniTEE out of the septic tank outlet tee and rinse it off. Examine the SaniTEE before cleaning to see if materials that should not be discharged to the septic tank are getting into the sewer, such as fruit peelings or cigarette filters. 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 the need for cleaning the SaniTEE becomes more frequent than usual, have the tank pumped. Always have the tank pumped at intervals 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.

THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESSED WARRANTIES. ANY WARRANTY IMPLIED BY LAW, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS IN EFFECT ONLY FOR THE WARRANTY PERIOD SPECIFIED ABOVE. NO REPRESENTATIVE OR PERSON IS AUTHORIZED TO GIVE ANY OTHER WARRANTY OR TO ASSUME FOR BIO-MICROBICS, INC., ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF ITS PRODUCTS. CONTACT YOUR LOCAL DISTRIBUTOR FOR PARTS AND SERVICE.