

BIO **MICROBICS**[®]

BIOSTORM[®]

stormwater treatment systems



Reduce stormwater pollution



>90% removal rate of sediment and TSS



Meet local regulations for easier stormwater management and maintenance

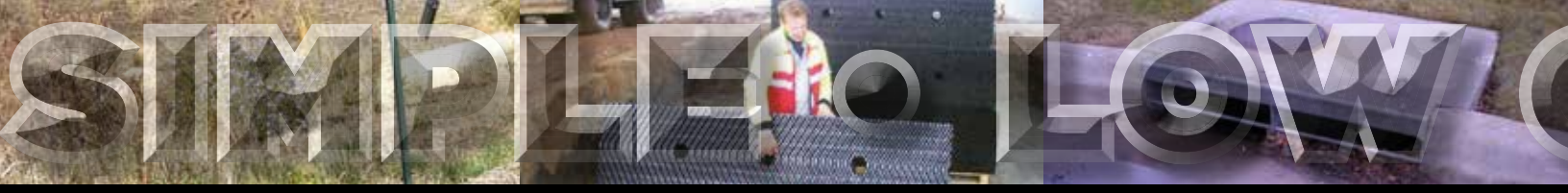


AWARD-WINNING
INTEGRATED WATER
TECHNOLOGY

ADVANCED STORMWATER TREATMENT PROCESS
RESIDENTIAL • COMMERCIAL • COMMUNITY

BETTER WATER. BETTER WORLD.®

www.biomicrobics.com



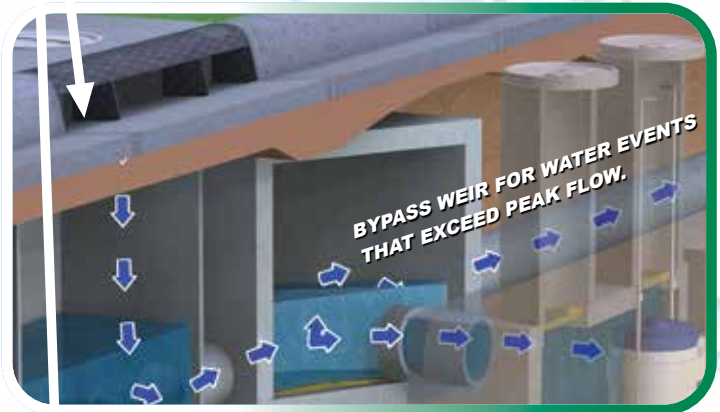
BioSTORM[®]

stormwater treatment systems

BioMicrobics focuses on solutions to satisfy sustainable drainage requirements before discharge into rivers and other waterways. The highly effective, two-stage stormwater treatment system removes pollutants, including: trash, debris, sediment, and hydrocarbons from entering storm drainage networks from parking lots, roads, highways, or other impervious surfaces.

Stormwater Management Systems catch surface runoff and treat the storm flows before it reaches natural catchments (watersheds) that may lead to stream erosion, altered natural ecosystems, and/or retention pond aging.

Pre-engineered design to remove trash, sediment, oil and other suspended solids with more than 90% removal rate from parking-lots, garages, and roadways. Products include:



In the interest of technological progress, BioSTORM[®] Systems are subject to design and/or material changes without notice.



Actual sediment collected in a BioSTORM[®] System

- BioSTORM[®] Stormwater Treatment System
- StormTEE[®] Trash/Litter Control Screen

Adhere to Best Management Practices for Water Quality Storm Flow for Redevelopment of Sites or Retention Pond/Land Saving and possibly gain Sustainable Site credits from green-building guidelines!

The complete BioSTORM[®] stormwater treatment system combines litter control screening with sediment and oil/water separation as part of an effective storm water management system.

HOW IT WORKS!

- 1 As rainwater washes across impervious surfaces, various pollutants including sediment, oils, debris and other substances flow into the storm drain.
- 2 StormTEE[®] screen separates trash and larger solids; screened runoff passing through the top/ bottom diverter outlet tees into the BioStorm treatment zone.
- 3 BioSTORM[®] treatment module contains fixed-film media that acts as a liquid/solids and an oil/water separator. Sediment descends to the bottom of the tank for storage and removal. Oils coalesce, rise to the surface where it remains in the module for storage and easy removal.
- 4 Treated runoff is then directed up an outlet baffle and into the effluent pipe for discharge back into the main stormwater network or discharge into the receiving environment.



BioSTORM® Specifications Models and Treatment Capacities*

MODEL SIZES	DESIGN FLOW RATE (9FT ³ /S)	STORMTEE® MODEL	INTERNAL PIPING DIAMETER
BIOSTORM® 0.5	0.5 CFS [14 LPS]	SMT 838	8" [20 cm]
BIOSTORM® 1.0	1.0 CFS [28 LPS]	SMT 838	8" [20 cm]
BIOSTORM® 1.5	1.5 CFS [42 LPS]	SMT 838	12" [30 cm]
BIOSTORM® 3.0	3.0 CFS [85 LPS]	SMT 1638	12" [30 cm]
BIOSTORM® 5.0	5.0 CFS [142 LPS]	SMT 1638	12" [30 cm]
BIOSTORM® 10.0	10.0 CFS [283 LPS]	(2) SMT 1638	18" [46 cm]

See Product Drawings and/or Manual(s) for further details & Technical Specifications.
 For a distributor/approved tank manufacturers in your area or more information, please contact sales@biomicrobics.com.

StormTEE® Specifications

MODEL SIZES	SCREEN BODY DIAMETER	SCREEN LEVEL
SMT 838	8" [20 cm]	3/8" [1 cm]
SMT 1638	16" [41 cm]	3/8" [1 cm]

StormTEE® is a patented, low maintenance, screening device that can be used alone or in conjunction with the combination fine-particle separation and oil/water coalescing modular unit as part of a complete BioSTORM® system. StormTEE® deflector screens are easy to install in both new construction projects and perfect for retrofits too.

STORMTEE® DESIGN

- Swab Feature** – The smooth exterior surface of the StormTEE® promotes the deflection of solids back into the tank. Any solids that may inadvertently become trapped in the angled slots dislodge into the trash tank.
- Easy, Slip-in Installation** – StormTEE® screen easily slips between the top/bottom diverter outlet tees to secure to the tank wall.
- Angled Slots** – Similar to those used in industrial well screens, are used to resist blinding (clogging) better than mesh-type screening devices. The appropriate slot width does not allow nuisance solids to be discharged.

ABOVE GRADE GRAVITY FLOW RUNOFF

Install BioSTORM® systems directly in locally-sourced water-tight tanks.



BioSTORM® Systems are a popular alternative for the rural/urban environment. Award-winning "integrated water strategy" and innovative environmental technology. The simple, robust design allows long-term operational performance with easy and low-cost operation and maintenance.

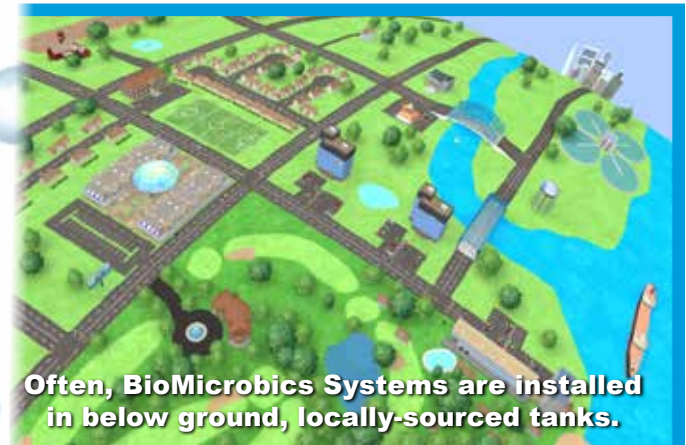


Established in 1996 to focus on water ecology and technology innovation through three companies, BioMicrobics, SeptiTech, and Scienco/FAST are at the forefront of sustainable design and with more than 80,000 installed systems in over 80 countries. Our systems meet the highest performance standards for

treatment of water, greywater, wastewater, stormwater, and more! BioMicrobics has developed a number of innovative products dealing with the treatment of water where centralized infrastructure and drainage are not desired. Our systems are designed and engineered with sustainability and user practicality in mind.

Simple, Modular, Effective.

The versatility of the off-line, two-phase design consists of a StormTEE® deflector screen to physically separate trash and large debris and pre-engineered media/liner in the second stage to remove sediment and hydrocarbons. The system allows both treatment components to be used separately for different applications, or together to form a complete BioSTORM® system.



BioSTORM

stormwater treatment systems

Low maintenance pre-engineered, packaged stormwater treatment system for the separation of trash, oil, and sediment found in rain water runoff from parking lots, roads, streets, and highways.



StormTEE

Litter Control Screens

StormTEE® litter control screens are ideally suited for the simple, affordable removal of trash, litter, and debris from stormwater flows in a variety of applications.



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BETTER WATER. BETTER WORLD.

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