Advanced Wastewater Treatment Product

BIO MICROBICS®

MicroFAST® *Flex* wastewater treatment systems

Residential

Reliable performance with easy maintenance

NSF/ANSI 245 certified for nitrogen reduction

Our most popular onsite wastewater treatment system

SIMPLE • LOW COST • ROBUST

BETTER WATER. BETTER WORLD.®

www.biomicrobics.com

MicroFAST® Flex wastewater treatment systems

Install-ready system for residential applications

Built on decades of proven FAST® wastewater treatment technology, the breakthrough MicroFAST Flex treatment system has a flexible design that adapts to virtually any tank. With two models available, the Flex Sytsem delivers reliable performance in a flexible, foldable design that makes installation easier than ever.

The MicroFAST Flex treatment modules contain attached growth media optimized for biological wastewater treatment, a patented airlift device for mixing and oxygen transfer. The control panel powers the blower with SFR® (sequencing Flixed Reactor), UV disinfection compatibility, and external alarm features. FAST Systems offer a simple, durable, and cost-effective biological solution for wastewater treatment.

Advantages of the MicroFAST® Flex system:

- **Only one moving part**
- **Simplest maintenance procedure of any advanced system**
- **>90% reduction of BOD and TSS**
- **At least 50% reduction of TN**
- **Lessen the impact of harmful bacteria**

MicroFAST® 0.4 Flex **Specifications**

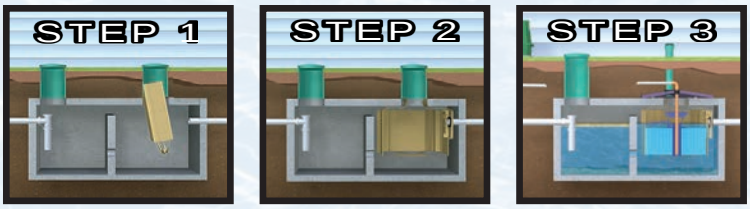
UNIT	MAX HYDRAULIC LOADING GPD	LPD	MAX ORGANIC LOADING* Pop. Equiv.
NSF 0.4	400	1500	6
NSF 0.5	500	1893	8

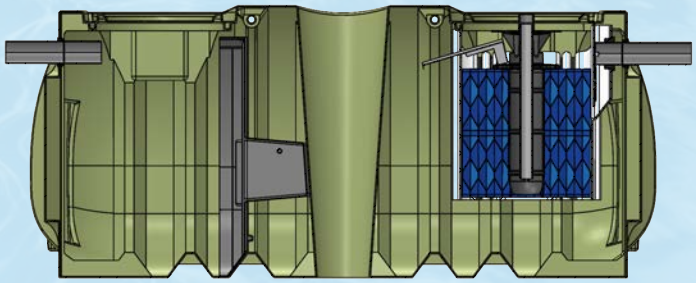
NSF certified to Standards 40 and 245

***Treatment capacity:** Individual FAST® module capacities are based on organic loading, hydraulic loading, and other project-specific considerations. Actual capacity may vary with local conditions and performance goals.*

The above-ground blower can be installed up to 100 ft [30 m] away.

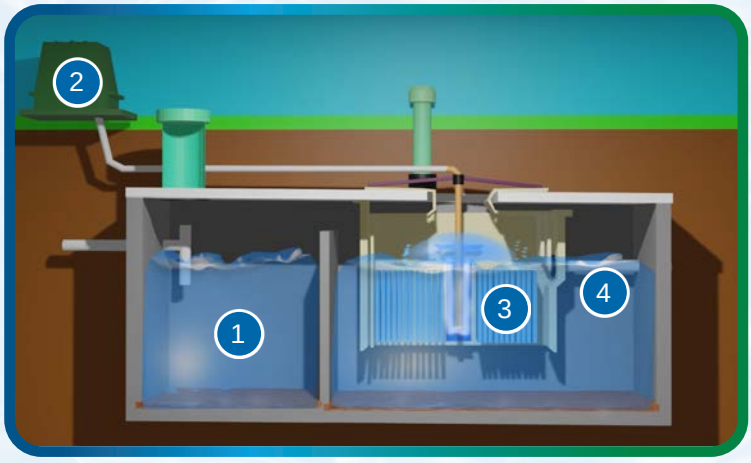
MicroFAST® Flex





Fits easily into concrete and plastic tanks

HOW IT WORKS!



1. **Settling Zone:** Settleable solids sink to the bottom of the tank and scum rises to the top. An optional SaniTEE® screen prevents trash from entering the treatment tank.
2. **Aeration:** An above-ground blower introduces oxygen into the tank, facilitating a robust circulation of oxygenated wastewater through the media.
3. **Submerged Media:** Abundant self-regulating microbes attached to the media decompose organic matter, nutrients, and pathogenic organisms in the wastewater.
4. **Discharge:** Treated water exits the system after passing a built-in baffle.

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