

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 System 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 Fixed 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[®] Flex Specifications

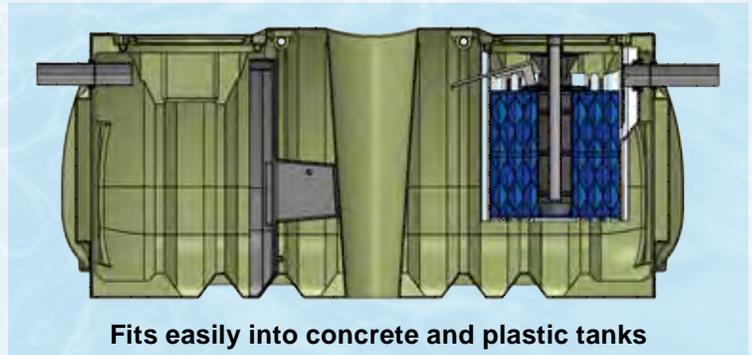
UNIT	MAX HYDRAULIC LOADING		MAX ORGANIC LOADING* Pop. Equiv.
	GPD	LPD	
 0.4	400	1500	6
 0.5	500	1890	8

 NSF certified to Standards 40 and 245

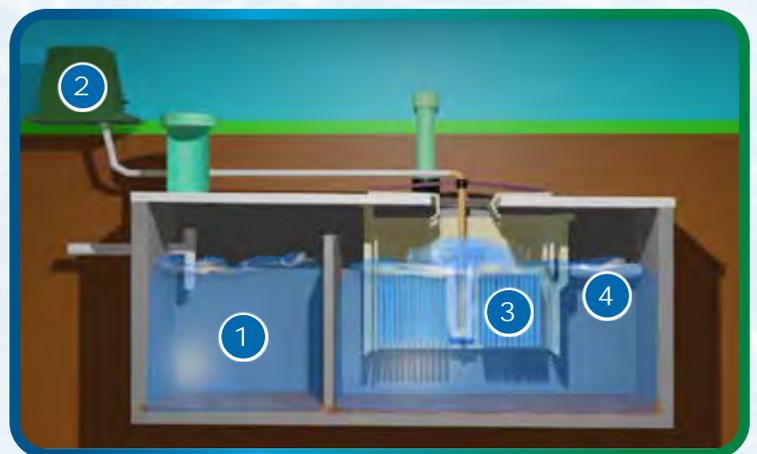
**Treatment capacity: Individual FAST module capacities are based on organic loading, hydraulic loading, and other project-specific considerations. Actual capacity may vary with local conditions and performance goals.*

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

MicroFAST[®] Flex



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.