



The **ON-FLOW MOVING BED BIOREACTOR (MBBR) technology** is a robust attached growth biological wastewater treatment that is less expensive than conventional biological treatment. The result of much research work, an engineered plastic media is used to promote fixed biomass or the "ON-FLOW Bio Media". This makes for an easy-to-operate, efficient, biological wastewater treatment that does not require any recirculation of the mixed liquor suspended solids (MLSS). The MBBR Bio technology offer small footprint is cost effective and meets any effluent requirements.

The **ON-FLOW MBBR BIO TECHNOLOGY** can be used for the treatment of both carbonaceous and nitrogenous pollution, in both municipal environments (lagoons, activated sludge, etc...) or in an industrial setting (food and beverage industry). **Standard capacity from 1500 – 110.000 gpd in 10' to 40' container. Request a Quote: <http://www.on-flow.com/feedformbio.htm>**



ON-FLOW – PLUG AND PLAY

These plug-and-play systems are pre-packaged to provide specific wastewater treatment solutions for specific needs including pre-treatment and water reuse. Combination of Advanced Cyclone separation of sludge and MBBR Bio Reactor allow for Water Reuse or Surface discharge.



ON-FLOW MBBR CONSISTENTLY MEET EFFLUENT REQUIREMENTS

Today and for years to come clients need wastewater treatment solution that complies with strict effluent requirements without operational complexity. It is important to have a simple, reliable, low maintenance solution. Solutions that meet advanced challenges in the complex world of wastewater. ON-Flow Moving Bed Bioreactor (MBBR) with extremely short retention time (hence compact systems) meets client's objectives and consistently, meets strict effluent requirements once in operation. This innovative fixed-film moving bed process uses thousands of special suspended biomass carriers designed to create a large total surface area for bio film growth –enhancing the biological wastewater treatment process without increasing the plant footprint. The ON-Flow MBBR is ideal for handling the organic loads in both food industry wastewater and domestic wastewater.



ON-FLOW CONTAINERIZED MBBR



ON-FLOW MBBR PACKAGE PLANTS



ABOVE OR UNDERGROUND

ADVANTAGED WITH ON-FLOW MBBR – BIO SYSTEMS

- ✓ Compact Design, Pre-design and Cost effective
- ✓ No Membranes to ever replace or clean
- ✓ Automatic sludge handling
- ✓ Self Cleaning Media
- ✓ Never need to replace Media
- ✓ Easy to Upgrade, Move and Expand.
- ✓ Up to 110,000 gpd in one 40' container. In series much more.
- ✓ Water can recycled for Irrigation, toilet flush, and meet any effluent requirements
- ✓ No Backwash Required

APPLICATIONS

- ✓ Hotels & Resorts
- ✓ Camps, Military and RV Recreation camps
- ✓ Schools and Universities
- ✓ Golf Clubs
- ✓ Airports
- ✓ Shopping Centres
- ✓ Islands and Urban Areas
- ✓ Housing Projects
- ✓ Prison Camps
- ✓ Most Organic Waste

ON-FLOW innovative fixed-film moving bed bioreactor process uses thousands of special biomass carriers designed to create a large surface area for bio film growth.

On-Flow Media require no backwash, self cleaning and never needs to be replaced

ON-Flow LLC can assist you with cost effective water and wastewater solutions that will meet any effluent requirement, now and in the future. You can later expand capacity, move plants, increase flow and improve effluent to re-use water for human contact. We are Ready when You are.

CONTACT US FOR A QUOTE OR FILL IN READY "ON LINE FORMS"



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