



REACTO™ IFAS

Advanced Hybrid System for Reliable & Sustainable Performance



Semi & Complete Automatic
Options



Low Footprint, Easy
Installation & Operation



Quick Turn Around, Minimum
or None at all Construction



Low Maintenance,
Low Capital



Pre-engineered, Packaged,
Modular & Scalable



Underground Overground
Installation



CPCB & Global Compliance



Dedicated Support &
Partnership

Applications



Residential Buildings,
Societies & Colonies

Hotels, Resorts &
Industries



Institutions & Public
Utility Infrastructure

Rural &
Remote Areas



The REACTO IFAS (Integrated fixed film Activated Sludge) combines suspended growth and attached growth processes for superior removal of organic matter, nutrients, and suspended solids. Engineered for efficiency and sustainability, it ensures stable performance under variable loads, offering a flexible, high-performance solution for both domestic and industrial wastewater treatment.



How Does It Work?

Wastewater from domestic sources first enters the Collection Sump, where heavier solids settle, easing the load on downstream treatment. The pre-settled water then flows into the IFAS Unit, where bacteria grow on specialized media and break down organic pollutants, supported by fine-bubble aeration for optimal microbial activity. Finally in Settlement Chamber, remaining solids settle, excess sludge is removed, and clarified, odor-free effluent is safely discharged, ensuring stable, high-quality treatment.

REACTO ASP – Technical Specifications

The REACTO IFAS uses specially designed media to support dense bacterial growth, maximizing organic matter breakdown. Continuous circulation exposes wastewater to active biofilm layers, while fine-bubble aeration provides consistent oxygen, ensuring uniform flow, stable performance, and high-quality effluent even under variable loads.



Scan to watch the full video

Features & Benefits

Advanced Hybrid Treatment Technology

Combines suspended and attached growth processes with high-performance bio media to deliver superior and consistent wastewater treatment.

Stable & Reliable Performance

Designed to handle load variations while maintaining consistent treatment efficiency and preventing system blockages.

Energy-Efficient Operation

Fine-bubble diffusers optimize oxygen transfer, improving treatment efficiency while reducing energy consumption.

Durable & Easy Installation

High-grade polyethylene construction ensures durability, lightweight handling, and quick installation for both new and retrofit projects.

Compact, Modular & Space-Saving

Minimal footprint with scalable modular configuration, ideal for residential, commercial, and compact community setups.

Low Maintenance, Odor-Free & Quiet

Minimal moving parts with a near-silent external compressor ensure low maintenance, odor-free, and discreet operation in residential areas.



Why Choose REACTO® IFAS?

The REACTO IFAS specializes in superior performance, compact design, and low-maintenance operation. Engineered with advanced bio-media technology, it ensures efficient wastewater treatment, long-term durability, and silent, cost-effective operation – making it the smart, sustainable choice for modern treatment solutions.

Thinking Sustainable? Think of REACTO IFAS.

A Technovation by

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