



REACTO™ SBR

Advanced Cyclic Treatment for High-Quality Effluent



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 SBR is a fully automated, single-tank system that performs all treatment phases—Fill, React, Settle, Decant, and Idle—within a compact footprint. Precision-engineered with PLC-controlled cycle timing and fine-bubble aeration, it ensures maximum treatment efficiency and superior effluent quality. Its corrosion-resistant construction and high-precision decanter deliver reliable, energy-optimized performance, making it an ideal, space-saving solution for domestic, institutional, and industrial wastewater applications.



How Does It Work?

REACTO SBR – Intelligent Batch Operation for Precision Treatment

REACTO SBR treats wastewater through controlled time-sequenced phases:

Fill – Wastewater enters and mixes with active biomass.

React – Aeration removes BOD, COD, and ammonia through aerobic biological action.

Anoxic Control – Intermittent mixing enables nitrogen removal.

Settle – Solids settle under quiescent conditions for excellent clarification.

Decant – Clear treated water is withdrawn without disturbing sludge.

Idle/Waste – MLSS is balanced and the system prepares for the next cycle.

The result: Stable biological treatment and consistently high-quality discharge.



Scan to watch the full video

Control Parameters

The REACTO system meets ANSI/NSF 350 standards and complies with MoEF/CPCB regulations in India, ensuring every unit delivers consistent, high-performance, and environmentally responsible wastewater treatment.



Features & Benefits

Advanced Batch Treatment Technology:

Sequential biological treatment cycles within a single reactor ensure efficient and reliable wastewater purification.

Fully Automated Operation:

Programmable control system enables precise treatment performance with minimal operator intervention.

Compact & Simplified System Design:

Single-tank configuration saves space and allows quick installation, making it ideal for decentralized and small-scale applications.

Energy-Efficient Aeration System:

Optimized oxygen transfer reduces power consumption while maintaining high treatment efficiency.

High-Performance Decanter & Low Sludge Generation:

Gentle effluent discharge protects settled sludge and reduces sludge disposal and maintenance requirements.

Quiet, Clean & Reliable Performance:

Enclosed system ensures silent, odor-free operation with stable treatment even under varying flow and load conditions.

Why Choose REACTO® SBR?

Intelligent, automated treatment process of REACTO SBR ensures precision, reliability, and superior effluent quality. With advanced aeration, PLC-based control, and low-maintenance operation in a single compact unit, it delivers efficient, sustainable wastewater management that meets CPCB and international standards.

Ready for precision wastewater treatment in every cycle?

A Technovation by

AWATECH SOLUTIONS (I) PVT. LTD.

www.awatech.in | info@awatech.in

For tailored proposal: sales@reacto.in

Contact No.: **9274731416**

Available in all leading e-market place



Partner



[AwatechSolutions](https://www.youtube.com/AwatechSolutions)



[reacto.in](https://www.instagram.com/reacto.in)



[company/awatech](https://www.linkedin.com/company/awatech)