



REACTOTM ASP

Advanced Activated Sludge Process for Reliable Wastewater Treatment



Semi & Complete Automatic Options



Pre-engineered, Packaged, Modular & Scalable



Low Footprint, Easy Installation & Operation



Underground Overground Installation



Quick Turn Around, Minimum or None at all Construction



CPCB & Global Compliance



Low Maintenance, Low Capital



Dedicated Support & Partnership

Applications



Residential Buildings, Societies & Colonies

Hotels, Resorts & Industries



Institutions & Public Utility Infrastructure

Rural & Remote Areas



The Activated Sludge Process (ASP) is a reliable and efficient biological method for treating domestic and industrial wastewater. Using microorganisms to degrade organic pollutants and remove nutrients, ASP ensures crystal-clear, odor-free effluent. Its continuous aeration prevents media clogging and maintains optimal oxygen transfer, delivering long term, dependable performance for sustainable wastewater management.



How Does It Work?

REACTO ASP – A 3-stage Advanced Treatment Process

In Collection Sump, solids settle for smooth downstream flow. The ASP Unit provides core biological treatment – coarse aeration mixes wastewater, while the fine bubble aeration sustains microorganisms that breakdown BOD, COD, and solids. In the Final Settlement, impurities settle, sludge is recirculated, and excess is removed, producing clear, odor-free, discharge-ready water.

REACTO ASP – Technical Specifications

The treatment chamber features fine-bubble diffusers that deliver consistent oxygen for efficient bacterial digestion of organic matter and nutrients. Controlled aeration ensures gentle turbulence, continuous circulation and prevents sludge settling – resulting in uniform treatment, high oxygen transfer efficiency, and stable performance under varying loads.



Scan to watch the full video

Features & Benefits

Compact, Modular & Durable Design:

Space-efficient, high-strength polyethylene construction allows for flexible above or below-ground installation. Its modular design is ideal for homes and institutions with limited space and ensures long-term corrosion resistance.

High-Efficiency Treatment & Compliance:

Advanced fine-bubble aeration effectively reduces BOD, COD, and TSS. This ensures stable performance under varying loads, producing high-quality effluent that consistently meets global regulatory standards.

Reliable, Clog-Free Operation:

An open-tank system prevents media blockage, while continuous sludge return maintains balanced microbial activity. This advanced process provides long-term stability with automatic desludging for consistent results.

Low Maintenance & Cost-Effectiveness:

Minimal moving parts and an external air compressor simplify upkeep, reducing operational costs. The efficient design allows for rapid setup and long-term savings on both power and professional servicing.

Odor & Noise-Free Performance:

Controlled biological processes and a near-silent external compressor ensure a clean, quiet operation—perfect for residential environments and eco-conscious communities.



Why Choose REACTO® ASP?

ASP contains advanced continuous aeration technology, compact and durable design, and consistent high-quality treatment performance. Engineered for efficiency, reliability, and sustainability, it delivers crystal-clear, odor-free water with minimal maintenance – the ideal solution for modern, eco-conscious wastewater management.

A Technovation by

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