



Packaged Sewage Treatment System with MBBR Technology

Efficient Wastewater Treatment for a Sustainable Future



AQUA
ZENITH

Envisioning a Cleaner World

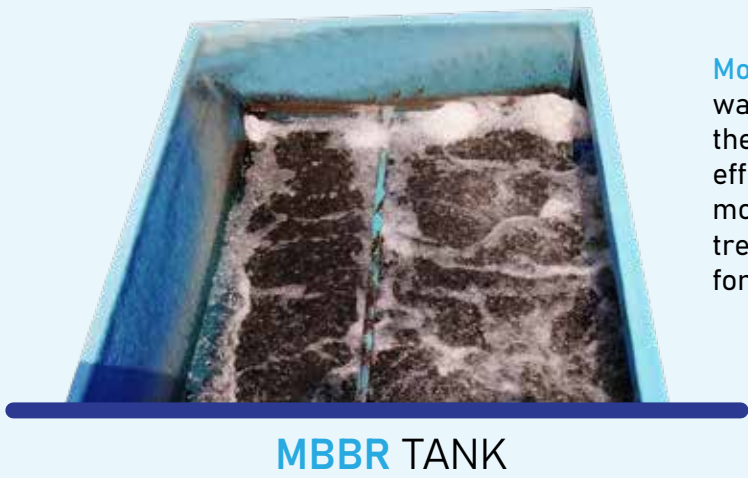
Odor-Free Recycled Water
Reliable and Easy Maintenance
Sustainable Solution
Compact Footprint

- Small Footprint
- Fully Automated PLC
- Modular & Plug and Play
- Skid Mounted Expandable
- Easily Transportable
- Water Reuse



SAND & CARBON FILTERS

Sand and Carbon Filter Tanks equipped with **Multiport Valves (MPV)** combine the effective filtration properties of sand and activated carbon, ensuring the removal of impurities, sediments, and undesirable odors from water. The integration of MPVs provides unparalleled control and versatility, allowing hassle-free switching between filtration modes, backwash, and rinse, thus optimizing the system's efficiency.



Moving Bed Biofilm Reactor, is an advanced wastewater treatment technology that harnesses the power of suspended biofilm carriers to efficiently break down organic pollutants. This modular and compact system ensures exceptional treatment results, making it a sustainable choice for cleaner water solutions

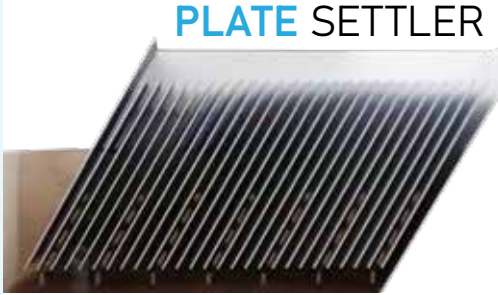
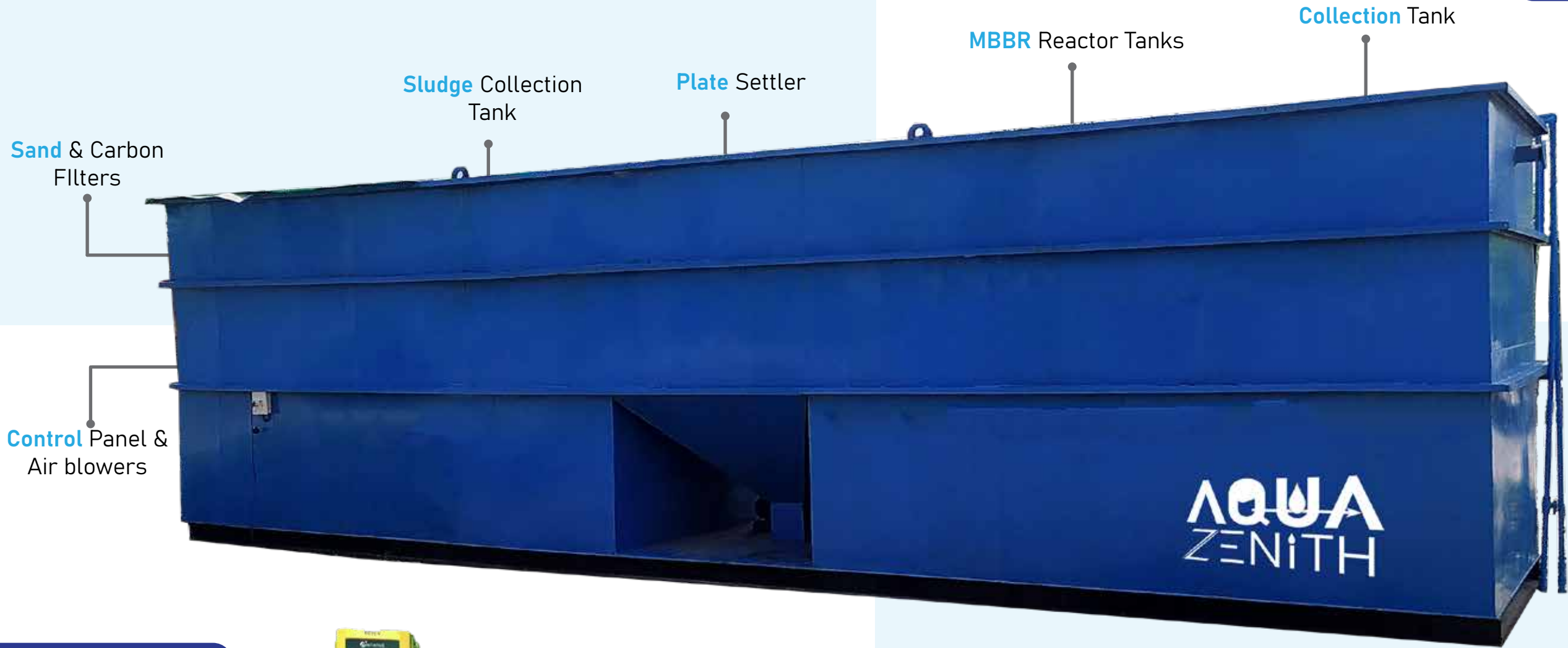


PLATE SETTLER

Plate settlers optimize the settling process, allowing for the removal of fine particles and sediments, resulting in cleaner and clearer water. With our plate settlers, you can count on superior performance and enhanced water quality in your treatment processes.



AquaZenith redefines wastewater management with a continuous process that guarantees uninterrupted treatment. Designed for sustainability, it efficiently minimizes environmental impact while offering a remarkably cost-effective solution, setting a new standard in wastewater treatment

- Decentralized Systems
- Residential Townships
- Office Complexes
- Hotels & Resorts
- Construction Sites
- Sewer Mining/Water Reuse

Images shown are for representation purposes only, the actual product may vary.

Footprint v/s Capacity:

Flow	Models	Typical Footprints	Power Consumption (kWh/day)
50 m ³ /day	AZS-50	20 sq.m./215 sq.ft.	100
100 m ³ /day	AZS-100	30 sq.m./334 sq.ft.	120
200 m ³ /day	AZS-200	50 sq.m./538 sq.ft.	170
300 m ³ /day	AZS-300	100 sq.m./1076 sq.ft.	200
400 m ³ /day	AZS-400	150 sq.m./1615 sq.ft.	250
500 m ³ /day	AZS-500	200 sq.m./2162 sq.ft.	300

Treated Water Characteristics:

Parameter	Unit	Raw Sewage Characteristics	Treated Water Characteristics
pH	-	7.5	7.0-8.5
BOD	mg/L	300	10
COD	mg/L	600	30
TSS	mg/L	300	10
TN	mg/L	10	10
Temperature	-	-	Not exceeds more than 5 °C than incoming water temp.
Oil & Grease	mg/L	-	5 or less
Faecal Coliform	-	-	<= 100/100 ml

The parameters considered for design basis are general sewage characteristics adopted from CPHEEO manual.



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