

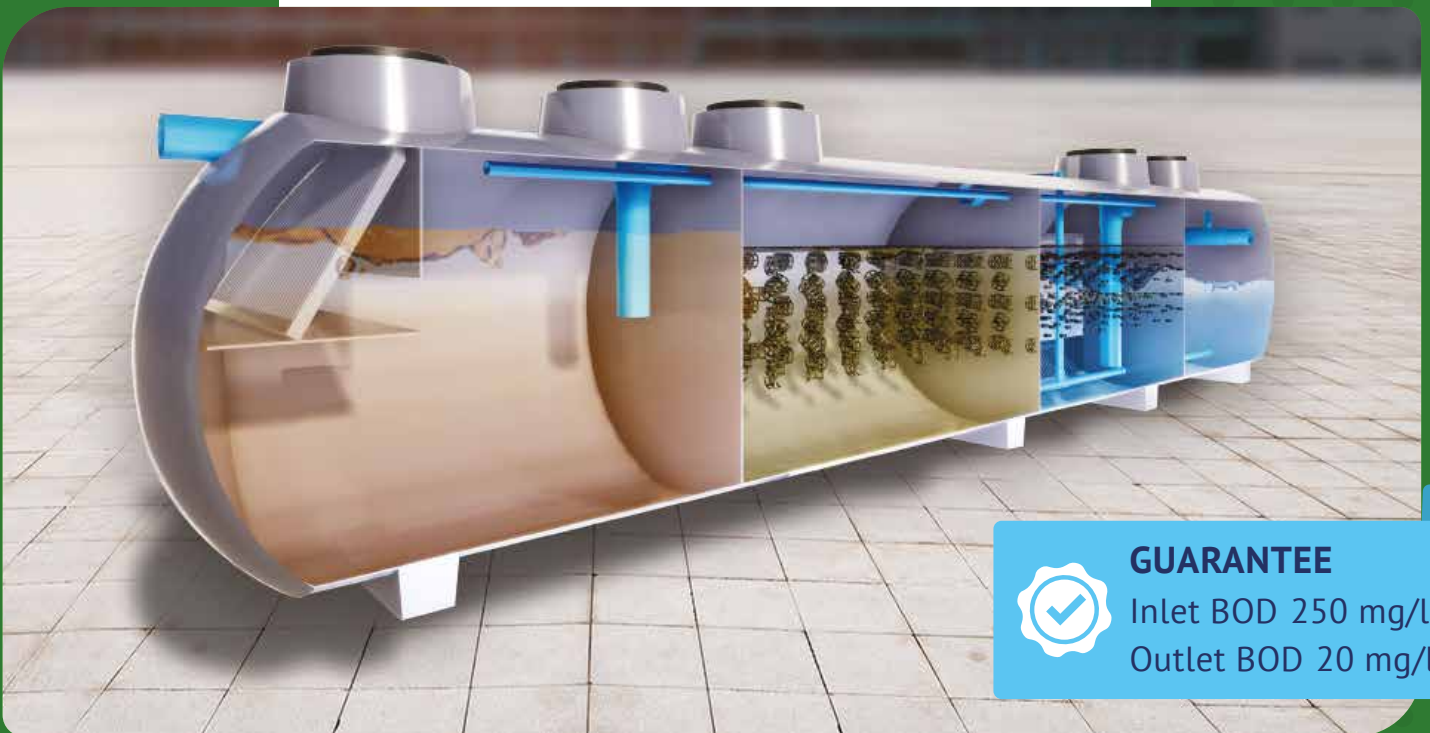
AQUA AC-SED SYSTEM

Double stage wastewater treatment for maximum performance



URBAN STP

Engineered Onsite Treatment



GUARANTEE

Inlet BOD 250 mg/l
Outlet BOD 20 mg/l

Banka BioLoo is a pioneer in wastewater management across a wide variety of residential, commercial, and government use cases. Banka BioLoo has partnered with Aqua Nishihara Corporation to empower the Indian market with the Johkasou Wastewater Treatment Technology. Developed and used in Japan for over four decades, Johkasou which means “Purifying Tank” is a decentralized, wastewater treatment system.

Specially designed wastewater treatment tank for



Communities



Factory



School & University



Hospital



Shopping Complex

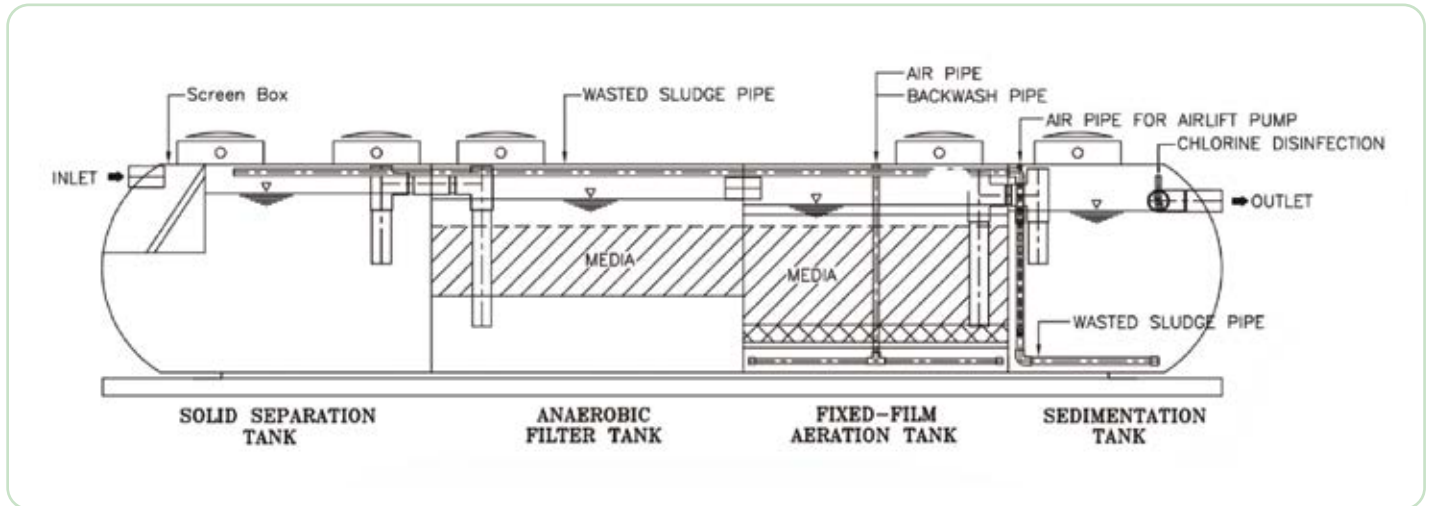


Office & Hotel

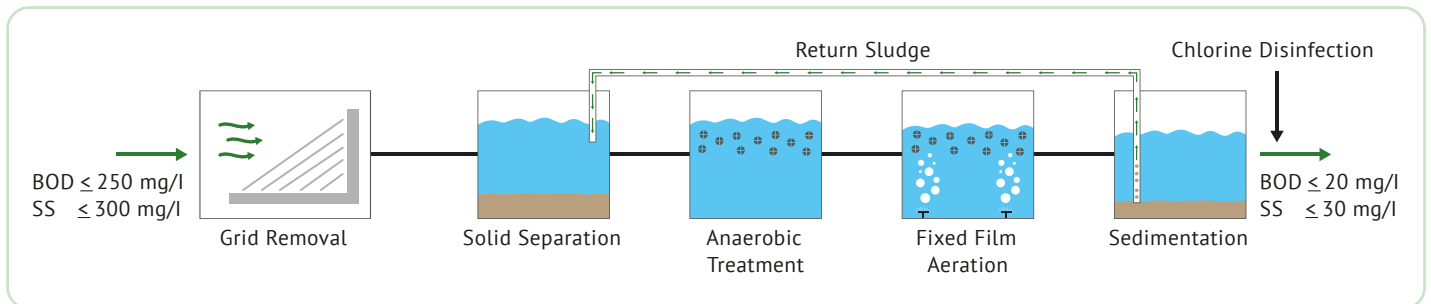
AQUA AC-SED

AC-SED wastewater treatment tank series

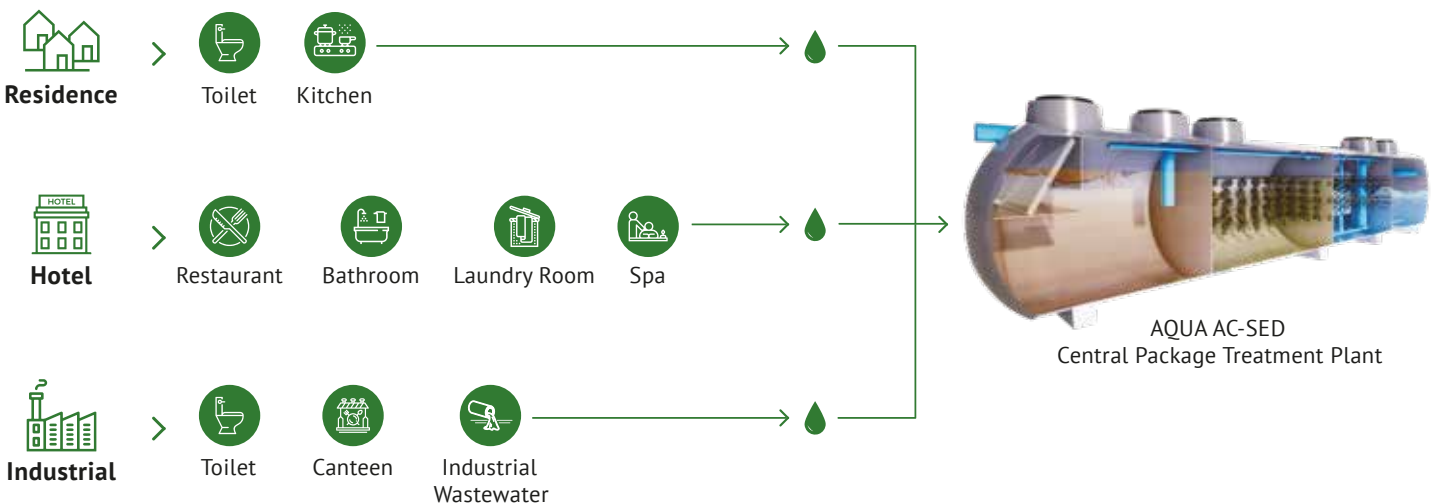
The **AC-SED** wastewater treatment tank covers a flow rate from 4-100 m³ per day. The wastewater can come from a variety of sources. The tank consists of a screen chamber, solid separation chamber, anaerobic chamber, aerobic chamber, sedimentation & disinfection chamber.



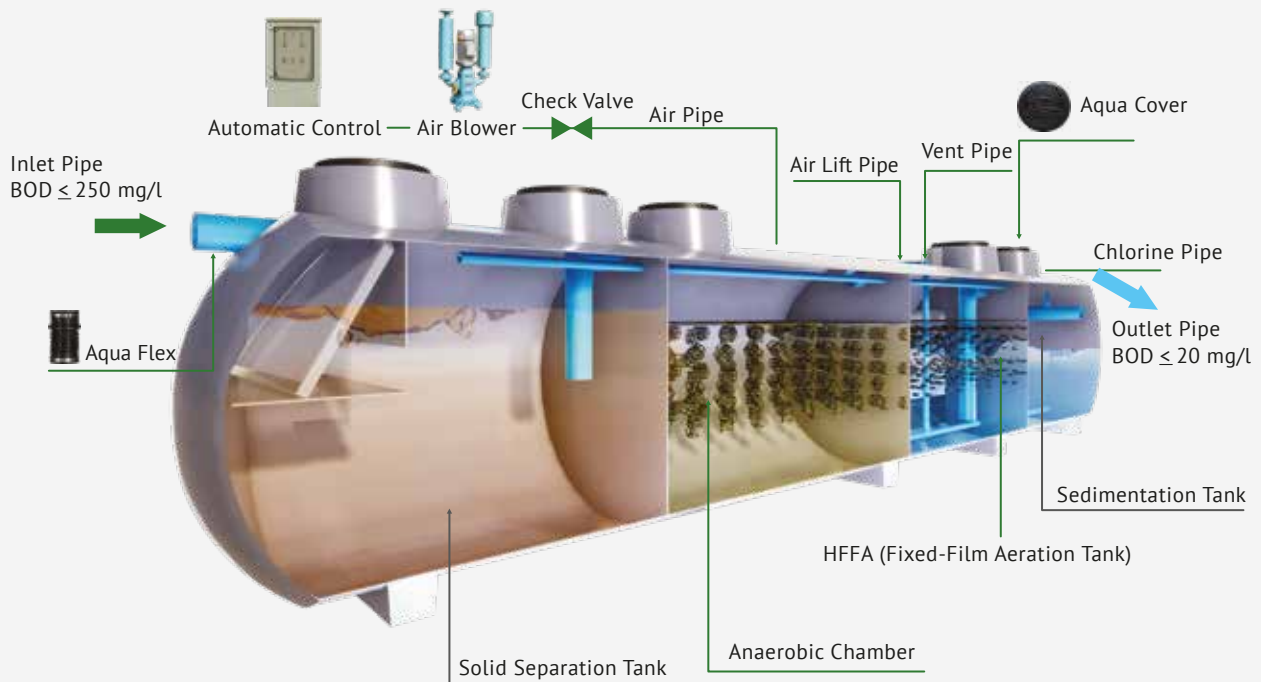
Process Diagram



Source of Wastewater



System Components



Stage 1: Solid Separation Chamber

This chamber is designed to pre-screen and collect big particles from wastewater. This chamber also acts as an equalization chamber to balance wastewater flow to another chamber at steady and peak times. The user can rely on our AC-SED tank, even when the wastewater generation increases due to human activity.

Stage 3: HFFA Chamber

This specially designed chamber enables fixed-film aeration that minimizes power consumption when compared to other designs. The microorganism in this chamber will convert impurities in wastewater to carbon dioxide and water. The treated wastewater will be clean enough to be discharged according to the local regulatory standards.

Stage 5: Chlorine Disinfection

Before wastewater is discharged to a public drain, the wastewater will be disinfected by tablet chlorine which efficiently controls total coliform bacteria.

Stage 2: Anaerobic Chamber

This anaerobic chamber is the first stage to treat wastewater by anaerobic microbial activity that will eat impurities in the water. This treatment does not use any electrical equipment. So, it will save electricity and lower cost for operation.

Stage 4: Sedimentation Chamber

After wastewater is treated in the previous chambers, it may still contain some fine particles. The sedimentation chamber further removes residue from the water. Treated wastewater discharged from the tank will be a little bit yellowish in color. It is clear from turbidity like natural river water.



Special Features of AC-SED



Low Cost & Easy Maintenance

The high-quality equipment inside the tank needs no maintenance. Pumping out the sludge once a year is recommended.



Fits Government Standards

We design all our products as per the latest government specifications.



Customized to your needs

Our dynamic system caters to many types of waste-water.



Heavy-Duty Tank Body

Our technology makes the tank body rigid enough that last up to 30 years and longer.



Multiple Efficiencies

With Hypoxi-media (R-102) and HFFA media (R-190), our tanks remain stable at multiple efficiencies.



Minimum Electrical Devices

Our STPs use minimum electrical devices. They consume less electricity & last long.

RESIDENTIAL PROJECT, CHENNAI

