INDION Compact Sewage Treatment Plant (STP)

Smart, modular wastewater treatment for modern spaces

INDION® Compact STP is a plug and play, decentralized wastewater treatment system designed specifically for the treatment of domestic sewage in space-constrained environments and for industrial applications. The Modular design enables quick installation, scalability and replication compared to conventional STPs.

Our Compact STP Solutions include:

INDION New Generation FMR:

The INDION® NGFMR system is a single tank unit with special synthetic media for biological treatment with help of diff used aeration, settler & disinfection, delivering stable and reliable treated water quality.

INDION Eco MBR:

The INDION® MBR system combines biological treatment with Membrane Bio Reactor, delivering stable and reliable treated effluent quality.

Features:

Parameter	NG FMR	Eco MBR
Operational Range	2–25 KLD	5–30 KLD
Advanced Technology	Synthetic media to enhance attached growth + diffused aeration	Non-ionic, Hydrophilic, High-performance PVDF hollow fiber membranes
Environment	BOD <5 ppm, COD <20 ppm, TSS <5 ppm	BOD <10 ppm, Turbidity <1 NTU, 6-log coliform removal
Advantage	System operates at High sludge concentration, reducing the sludge waste.	
Applications	High quality treated water ideal for industrial, residential and commercial applications	

Benefits:

Parameter	INDION New Generation FMR	INDION Eco MBR
Process Design	Combined aerobic & anaerobic treatment ensures reduction of COD, BOD, TN, AN & P	Eliminates tertiary treatment
Automation	Fully/partly automated, remote monitoring optional	Fully automated, remote monitoring optional
Design	Odor-free, aesthetic, eco-friendly	
Footprint	~1/3rd space vs conventional STPs	
Resource Consumption	Low energy & chemical consumption Low energy consumption	

Applications

Housing and Residential Complexes | Educational Institutes | Commercial Complexes & IT Parks | Hotels | Hospitals | Industries