ION EXCHANGE
Refreshing the Planet

# 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 diffused 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 <5 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