

## Water & Waste Solutions



# Seqtreat<sup>T</sup>

Sequential Batch Reactor Technology  
for domestic wastewater treatment

**SeqtreaT** is the most advanced Sequential Batch Reactor (SBR) technology by Thermax for waste water treatment, especially for domestic waste water. SeqtreaT accomplishes equalization, aeration and clarification in a timed sequence batch mode - all in a single reactor basin. Also, the cycle time of treatment of batches can be optimized to suit variation in loads. Aerobic phase and controlled anaerobic phase are used to reduce organics, nitrogen and phosphorus compounds also.

## Salient Features

- Thermax designed novel drain siphon mechanism with no maintenance
- Improved outlet quality meeting prevailing stringent recycling norms
- Compact, easy to operate and scalable
- Flexibility to handle wide range of organic loads as well as changes in hydraulic loads
- Nitrogen and Phosphorus removal capability
- Lower footprint
- PLC based automatic operation
- Suitable for augmentation and capacity upgradation of existing STPs
- Treated sewage suitable for recycle/reuse

## Standard Capacities (in KLD)

50, 100, 150, 200, 250, 300, 350, 400, 500 (customised higher capacities on request)

## Market Segments



Hotels/ Resorts



Hospitals



Manufacturing Industries



Urban Townships



Service Industries



IT Parks



Institutes

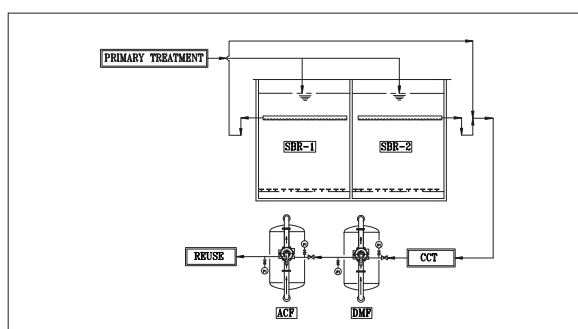


Housing Complexes

## Schematic Diagram



Thermax is recipient of award winning technology in waste water treatment



## Inlet Design Parameter & Outlet Guarantees

Parameter	Units	Inlet	Outlet of SBR
COD	mg/l	600 - 1000	≤ 60
BOD	mg/l	300-500	≤ 10
Total Suspended Solids	mg/l	300-400	≤ 10
Total Kjeldahl Nitrogen	mg/l	45	≤ 5
Ammonical Nitrogen (as N)	mg/l	35	≤ 2
Total Nitrogen (as N)	mg/l	-	≤ 10
Total Phosphorus (as PO <sub>4</sub> )	mg/l	5	≤ 1

\*Thermax reserves the right to amend any product details without notice



**THERMAX**

Sustainable Solutions in Energy & Environment

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### Thermax Business Portfolio

- Heating
- Cooling
- Power Generation
- Air Pollution Control
- Chemicals
- Water and Waste Water Solutions
- Solar
- Specialised Services

[www.thermaxglobal.com](http://www.thermaxglobal.com)