

WASTE WATER TREATMENT

Sequencing Batch Reactor (SBR System)

SBR

The only one system includes extended aeration, settling, decanting and desludging within a single tank. The complete sequencing process is controlled by a PLC system. It reduces BOD to less than 20 mg/litre. In addition, biological phosphorus can be removed without supplemental chemical addition if the operating cycle begins with an anoxic period for eliminating nitrates followed by an anaerobic period to induce phosphorus release.



Sequencing mode of operation

- ❖ **FILLING**
Feed influent
- ❖ **EXTENDED AERATION**
Aeration to effect biological process for breaking down pollutants
- ❖ **SETTLING PROCESS**
Complete process, allow settling of digested sludge
- ❖ **DECANTING**
Removal of treated waste water
- ❖ **DESLUDGING**
Drain and remove digested sludge



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