

INDION® SBR

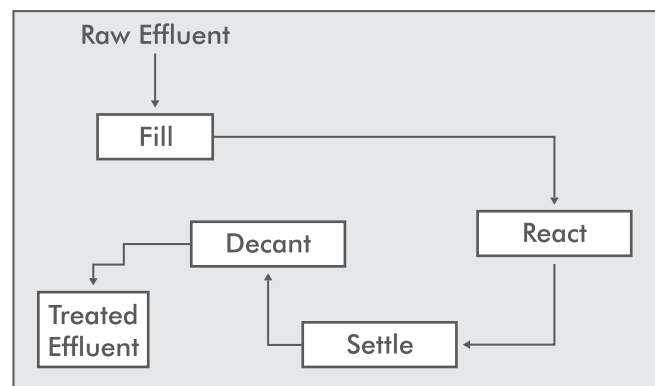
INDION SBR is a cyclic activated sludge treatment system. Its compact design is based on sequential time cycle for equalisation, aeration, settling and clarification which provides many advantages over conventional activated sludge processes.



Advantages

- No moving parts
- Processes like nitrification, organic matter removal, settling or clarification are carried out sequentially over-time in a tank
- Less footprint, as clarifier is not required
- Fluctuation is buffered in a pre-equalisation tank, therefore producing consistent treated effluent quality
- Treated effluent of highest quality BOD < 10, COD < 100 & TSS < 5
- Can be constructed in bolted tank, mild steel, epoxy paint (MSEP) and civil

Operating Principle



Applications

INDION SBR delivers treated water quality far better than local discharge norms. Ideal for housing complexes, hotels, commercial complexes, industries and institutes (IT parks, hospitals & malls).

The treated water can be discharged or used for cooling tower make-up, gardening, toilet flushing and other low-end applications after suitable post treatment or disinfection.



Treated Water Characteristics

Parameters	Raw Sewage (mg/L)	Outlet (mg/L) (After SBR, Chlorination & Filters)
pH	6 to 8	7 to 8
Total suspended solids	150 to 250	<10
Total Oil (Free oil)	100	<5
COD	500	<100
BOD	350	<10
NH-N	40	<5
TN	50	<10

To the best of our knowledge the information contained in this publication is accurate. Ion Exchange (India) Ltd. maintains a policy of continuous development and reserves the right to amend the information given herein without notice. Please contact our regional / branch offices for current product specifications.

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