

## INDION<sup>®</sup> SBR

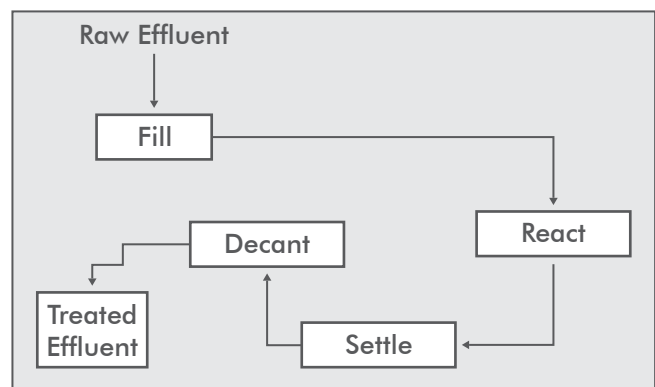
INDION SBR is a cyclic activated sludge treatment system. Its compact design is based on sequential time cycle for equalisation, aeration, settling and clarification which provides many advantages over conventional activated sludge processes.

### 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.

**INDION** is the registered trademark of Ion Exchange (India) Ltd.



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