



WASTE WATER TREATMENT

There are different options for processing industrial waste water and municipal sewage water. Conventional systems require huge capital expenditures, and increased power consumption. Our SBR and MBR Solutions offer decreased footprint and power requirements. Depending on your requirement we can help assess which system is best for your needs.



Model NBWS SBR	Capacity	# Chambers BOD 250	Blower HP Rating	# Chambers BOD 500	# Chambers BOD 250	# Chambers BOD 800	# Chambers BOD 250
SEQUENTIAL BATCH REACTOR							
		250 BOD		500 BOD		800 BOD	
NBWS-STP-SBR-20	20	1	5	1	5	1	7.5
NBWS-STP-SBR-30	30	1	5	1	5	1	7.5
NBWS-STP-SBR-50	50	1	5	1	7.5	1	10
NBWS-STP-SBR-75	75	1	5	2	7.5	2	10
NBWS-STP-SBR-100	100	1	7.5	2	7.5	2	10
NBWS-STP-SBR-150	150	2	7.5	2	10	2	15
NBWS-STP-SBR-200	200	2	10	2	15	2	20
NBWS-STP-SBR-300	300	2	15	2	15	2	40
NBWS-STP-SBR-400	400	2	20	2	20	2	40
NBWS-STP-SBR-500	500	2	25	2	40	2	50
NBWS-STP-SBR-750	750	3	25	3	40	2	60
NBWS-STP-SBR-1000	1000	3	25	3	40	3	60
NBWS-STP-SBR-1500	1500	3	40	3	60	3	50
NBWS-STP-SBR-2000	2000	3	40	3	60	3	60
NBWS-STP-SBR-2500	2500	3	50	4	60	4	70
Note: Blower rating is based on 4500 mmAq							

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Nature's Blend Water Systems USA

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Creating awareness for healthy and green living...

Model NBWS MBR	Capacity	# of MBR Modules	# of Containers	Power Consumption (kW)
MEMBRANE BIO REACTOR				
NBWS-STP-MBR-50	50	1	1 x 20'	20
NBWS-STP-SBR-100	50	1	1 x 40'	30
NBWS-STP-SBR-150	75	2	2 x 40'	40
NBWS-STP-SBR-200	100	2	2 x 40'	55
NBWS-STP-SBR-300	150	2	3 x 40'	85
NBWS-STP-SBR-400	200	4	4 x 40'	110
NBWS-STP-SBR-500	300	4	5 x 40'	140
PARAMETERS				
	INFLUENT QUALITY		EFFLUENT QUALITY	
BOD	150 - 500		< 10	
TSS	150 - 400		< 10	
pH	6.5 - 8.5		6.5 - 8.5	
NITRATES	< 100		< 30	
PHOSPHATES	< 30		< 10	
BACTERIA	PRESENT		ND	
CHLORINE	ND		0.5 - 2.0	
MBR Average lifespan of MBR Module 3 - 7 years. Effluent quality is based on projections using MBR. SBR Effluent quality will be based on tertiary treatment options.				

Applications

- Hotels
- Rural Water Treatment
- Municipal Water Treatment
- Condominium towers
- Islands
- Sub-Divisions
- Food Manufacturing
- Beverage Manufacturing
- Schools / Universities

System Specification Sizing

Selecting the correct system is vital to the proper operation and effectivity of the system.

Criteria to be considered when choosing the right system:

- TDS (total dissolved solids)
- BOD
- COD
- pH
- PHOSPHATES
- NITRATES

