

HSSAR MBBR SERIES

Solving Existing Problems in MBBR systems

MBBR systems are designed to be very versatile due to its peak load handling capability and reliability. However majority of MBBR systems fail due to usage of incorrect media volume or quality issues arising from using recycled material for manufacturing MBBR media that might poison the biofilm.

Ecodew's HSSAR MBBR bio media is made from Virgin HDPE and designed with a density close to water so that it fluidizes effectively to reach all parts of the aeration tank.



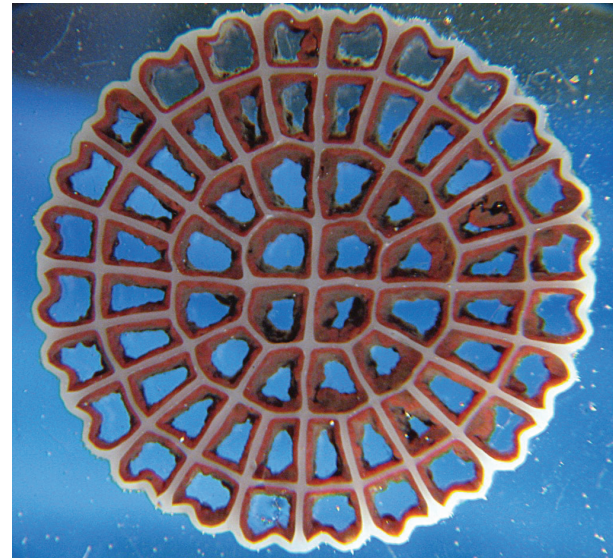
Lower Energy Costs with our AI based OXISENS Technology



30% savings on Construction and media costs using our BiTank Design Model



Lower Footprint as volume of tanks are reduced by 30%



HSSAR MBBR PE10

Surface Area	-	1200 m ² /m ³
Size	-	D25x4 mm
Hole Numbers	-	64
Density	-	0.96 - 0.98
Pieces/cm	-	>2,10,000 pcs
Porosity	-	>85%
Life Span	-	>15 years

How is HSSAR MBBR different from other MBBR Technologies

BiTank Design Model

We follow a BOD based design concept which is more accurate than the HRT based design concept. Our patented BiTank model helps save 50% of Civil construction and 30% of media costs.

More bacteria per cubic meter

Our MBBR media has the highest surface area per cubic meter compared to our competitors. This allows more biofilm formation in less volume. This would inturn reduce the aeration tank volume and civil costs

AI based OXISENS Technology

Our AI based OXISENS system ensures accurate Dissolved Oxygen Levels in Aeration Tanks so as to conserve energy turning ON the air blower only