

Water Care
Systems



PACKAGE SEWAGE TREATMENT PLANT

Our packaged sewage treatment plants are based on Moving Bed Biofilm Reactor (MBBR) technology. Moving Bed Biofilm Reactor (MBBR) processes improve reliability, simplify operation, and require less space than traditional wastewater treatment systems.

MBBR technology employs thousands of polyethylene biofilm carriers operating in mixed motion within an aerated wastewater treatment basin. Each individual biocarrier increases productivity through providing protected surface area to support the growth of heterotrophic and autotrophic bacteria within its cells. It is this high-density population of bacteria that achieves high-rate biodegradation within the system, while also offering process reliability and ease of operation.

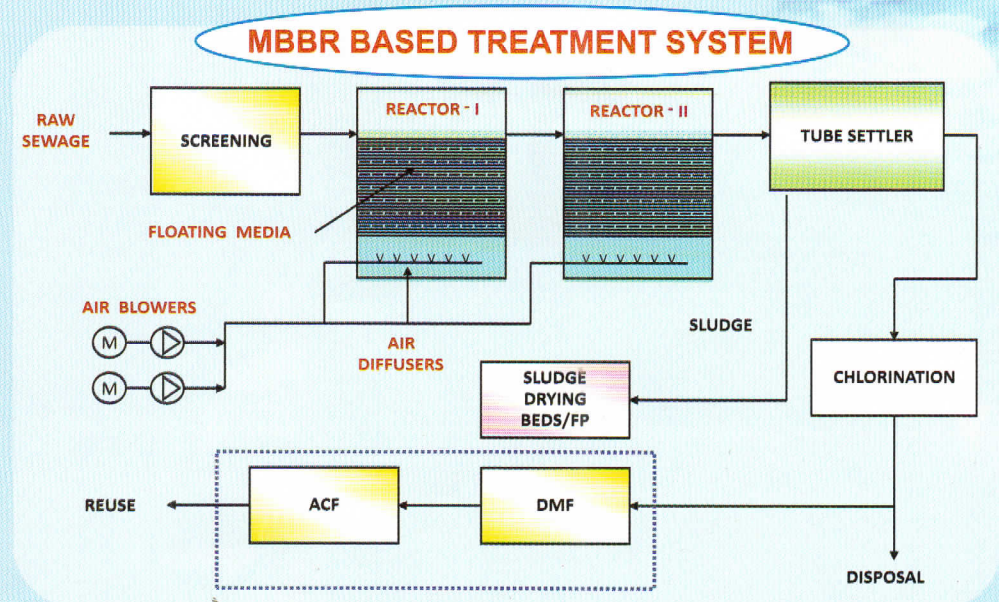
This technology provides cost-effective treatment with minimal maintenance since MBBR processes self-maintain an optimum level of productive biofilm. Additionally, the biofilm attached to the mobile biocarriers within the system automatically responds to load fluctuations.

Features and Benefits of MBBR Package Sewage Treatment Plants

- Compact & small footprint compared to other sewage treatment plants.
- Low maintenance (No F/M ratios or MLSS levels to maintain), low capital & operating costs.
- Simple assembly and operated by on site labour.
- The system is prefabricated and easily transportable to any location.
- There is no need to add micro-organisms.
- No return activated sludge stream required.
- The system will operate without any chemical addition.
- Easy start up, fully automatic operation, reliable & robust once started.
- Actively sloughed biofilm automatically responds to load fluctuations.
- One central control panel for easy operation.
- Clog free air distribution system and bio media that comes with 20 years warranty.
- High quality treated water can be used in gardening, toilet flushing, cooling tower make-up.

Applications

- Hotels
- Hospitals
- Housing/ Residential Complexes
- Holiday Resorts
- Commercial Buildings
- Educational Institutions/ Colleges
- Industries



Contact :

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Creating Value In Water