

Random Growth Media

The Moving bed Bio Reactor (MBBR) comprises a tank in any outline filled up with arbitrary bio pac media and fab media elements. The elements are particularly developed material of controlled density such that they can be fluidized by using a suitable aeration device. A bio film gets developed on the elements, which go along with the effluent in the reactor. The movement within the reactor (MBBR) is generating by providing aeration with the support of diffusers placed at the bottom of the reactor. The thin bio film present on the elements enables the bacteria to act upon the bio degradable substance in the effluent and reduce BOD/COD content in the existence of oxygen from the air that is used for the fluidization.

Advantages Random Growth Media

ADVANTAGES OF RANDOM BIO MEDIA/MBBR

1. Nonstop formation.
2. Standardized thickness.
3. High surface area per unit volume.
4. Chemically resistant to water soluble substances.
5. Uniform mixing.
6. Extensive retention time and bare minimum blocking.
7. No support system required for Media.
8. Non-clogging design.
9. Aeration Tank can be of any shape or outline.