

APPLICATION

MBR

OVERVIEW

The MBR process combines a biological treatment and a membrane process for complete removal of organic substances, suspended solids and nutrients such as nitrogen and phosphorus. The system is extremely compact and requires less land area than any other system.



PROCESS

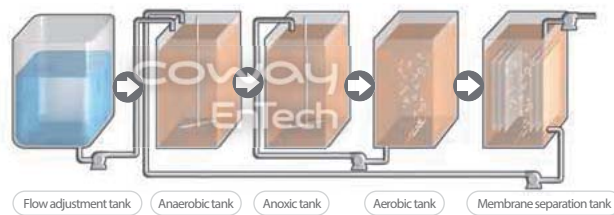
1. Organic Matter Treatment Process

- Suspended solids and E. coil are removed 100% using a hollow fiber membrane
- Treated to be lower than 5 ppm of BOD and 10 ppm of COD



2. Nitrogen and Phosphorus Treatment Process

- Nitrogen and phosphorus are removed by maintaining a high micro-organism level, thereby, holding large volumes of nitrified and denitrified microorganisms.



3. Membrane Green Compact Reactor Process (MGCR)

- A biological treatment process with high efficiency
- Compact size with high volume and high concentration of microorganisms

