Energy-saving MBR System Using Ceramic Flat Membrane

Developers: MEIDENSHA CORPORATION

Membrane cleaning with alumina-based inorganic membranes, ceramic flat membranes, and optimization of operations to achieve energy savings by reducing aeration volume and dealing with inflow fluctuations



Needs

- Energy saving
- Responding to temporary inflow increases due to rainfall, etc.
 Benefits
- Combining various cleaning techniques reduces aeration rate for cleaning
- Optimized operating conditions of MLSS and DO control reduce auxiliary diffused air rate
- Temporary raising of the flux can respond to inflow fluctuations