

Sewage Treatment

Low Pressure Loss Diffuser/New Air

Reduce the electricity cost of blower facilities

The highest electricity cost in sewage disposal plants is for blower facilities.

Kobelco Eco-Solutions proposes "New Air" as the technology to support needs for the electricity cost reduction of blower facilities.



Features

- Low pressure loss
- High oxygen transfer efficiency
- Durability (Excellent chemical stability)
 - Adopt high density polyethylene resisting chemical erosion
 - Available in low pH
 - Pore structure hard to be clogged
- Easy installation work
 - Light weight (about 30%) compared to ceramic diffuser
 - A few number of parts
 - Easy installation
 - Short downtime because of easy installation

Mechanism

- Conventional air diffuser
 - The pores with the smallest diameter exist inside the equipment, which often results in clogs inside the diffuser.
- New Air diffuser
 - The diameter of pores is smaller. It is easy to generate microscopic bubbles.
 - The pores with the smallest diameter exist on the outer surface of the diffuser to prevent clogs inside the diffuser. Therefore, operation with low pressure loss is realized.

Application



Tube type



Disk type