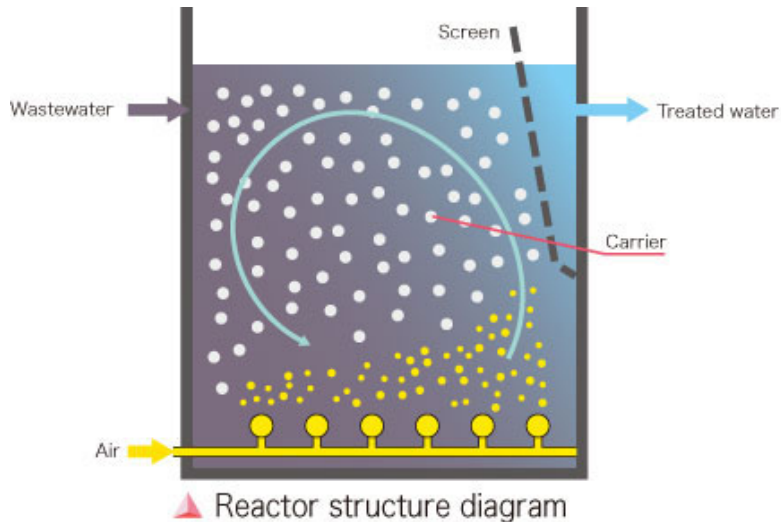


Industrial Water Treatment

Fluidized Bed-Type Aerobic Organic Wastewater Treatment Equipment "PABIO MOVER"

PABIO MOVER was co-developed with the Norwegian company, Kaldnes, and uses the fluidized bed to fill the aeration tank with special-shaped plastic carrier and fluidize them over the entire tank.

While the carriers are fluidized, wastewater, oxygen, and microorganism contact with each other to a large extent, to ensure high oxygen supply efficiency for high-load treatment.



Carrier picture

Carrier is made of polyethylene and its relative density is 0.95, which is lighter than water. Its circular shape, the inside cross wall and outside impeller efficiently improve the flow.



Features

- High-load treatment
Using the microorganism and fluidizing carriers, wastewater, oxygen, and microorganism contact with each other to a large extent.
- Return sludge is not necessary
Microorganism attached to the carriers in the reactor treats wastewater and return sludge is not necessary. Excess sludge flows out as small SS and can easily be removed using the sedimentation tank.
- Suitable for various shapes of aeration tanks
Existing aeration tanks and/or unused tanks can be reused to increase usage of the facilities and improve the treatment capacity.
- Backwash is not necessary
Carriers never clog and backwash is not necessary.

Application

- Wastewater treatment from food, chemical, or paper/pulp factory
- Denitrifying from various types of wastewater

Water Infrastructure Marketing and Sales Department for Private Sector, Marketing and Sales Division, Environmental Engineering Business Unit, Kobelco Eco-Solutions Co., Ltd.

For inquiries about this equipment, please complete and send in an inquiry form.

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