



Dual-DO-Controlled Oxidation Ditch

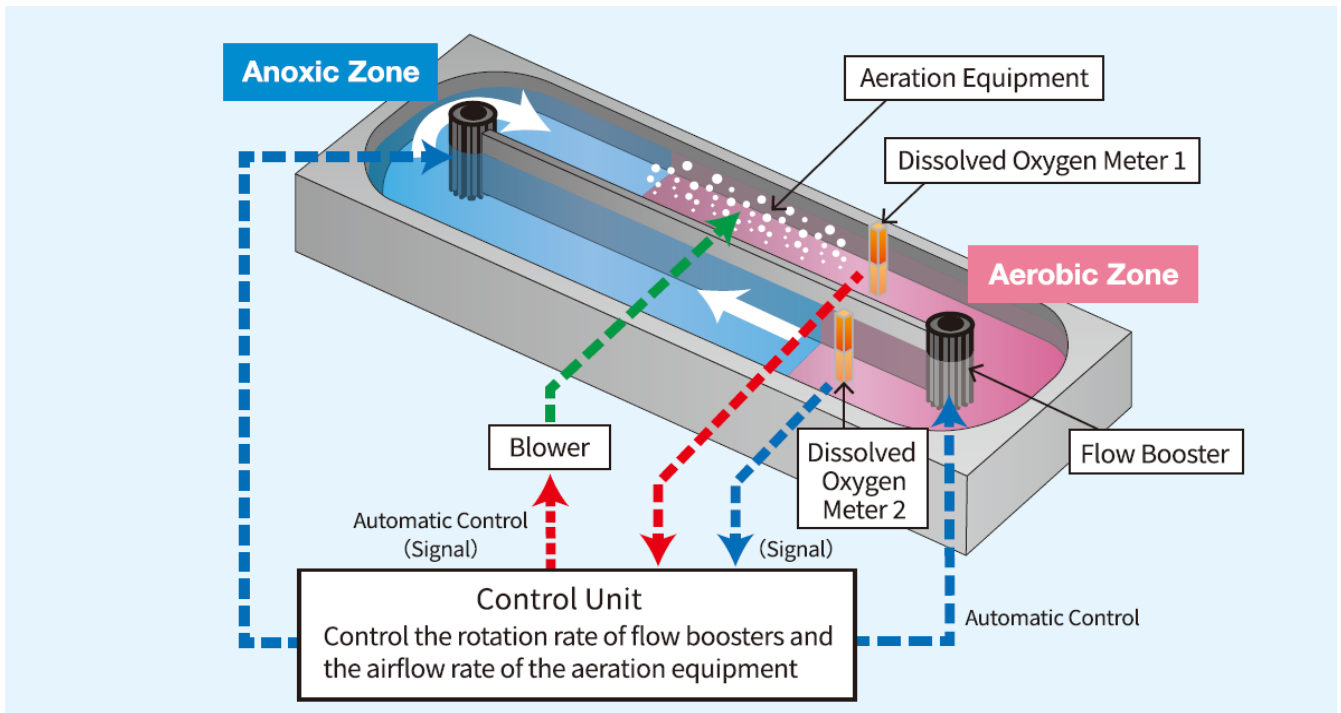
YouTube (en)



Maezawa's dual dissolved oxygen (DO) control for OD systems enables efficient, stable nitrogen removal by controlling aeration and water circulation independently, thereby producing optimal aerobic and anoxic zones.

FEATURES

- Low power consumption
- Efficient and stable nitrogen removal



Principle of the Dual DO Control Technology

This system maintains optimum DO values in the anoxic and aerobic zones by controlling the aeration rate and circulation flow rate. The figure at right shows the principle of this control technology. If load becomes high, the value of the No.1 DO meter the value by increasing the aeration rate, and the value of the No.2 DO meter can be controlled by increasing the circulation flow rate.

