



VERTICAL AGITATOR AW-HYDROMIX

Floating, vertically acting agitator with flow-optimised arrangement in the tank



APPLICATION

- SBR wastewater treatment plants
- Conventional wastewater treatment plants
- Pond wastewater treatment systems
- Industrial wastewater treatment plants
- Other mixed processes

PRODUCT DESCRIPTION

The AW-HydroMIX is a floating surface mixer in the form of a vertical agitator for complete mixing of the reactor content. Due to the automatic adjustment of the circulation capacity and the tank fill-level, an optimum flow is generated, which essentially prevents oxygen input during the anoxic and anaerobic phase. At the same time floating solids are pumped to the unit where automatic mixing then occurs. Automatic control of the circulation output increases process effectiveness and reduces energy costs.

DESIGN FEATURES

- Floating, unsinkable system with attached electric drive, measuring probes and railings, easy access
- Agitator is operated by an attached electric motor
- Optimally arranged within the tank with the help of flow simulation
- Designed as a low-speed motor
- Frequency control of the circulation output is level and turbidity dependent, according to the sludge settlement properties
- The size is individually adjusted to the tank volume



ADVANTAGES

- Automatic adjustment to rising or falling water level
- Removal rate during operation adjustable and variable
- Individually adjustable flow rate
- Excellent anti-corrosion protection due to specially selected materials
- Delivered ready for use
- Low-maintenance design
- Very suitable for retrofitting

