

# Aeration & Mixing



## The Best Engineered Aerators and Mixers for Wastewater Treatment

RWL Water offers a complete line of aerators, mixers, and diffusers for wastewater treatment. Our aeration and mixing equipment is installed worldwide in municipal and industrial applications. Let our technical experts assist you in proper sizing, layout, and operation of your next aeration or mixing system.

TORNADO® Self Aspirating Aerator

HURRICANE® Submersible Aerator/Mixer

TWISTER® Low Speed Aerator

TYPHOON® High Speed Aerator

ZEPHYR® IAF System

CYCLONE® Coarse Bubble Diffuser

RIPTIDE™ Direct Drive Mixer

MONSOON® Paddlewheel Aerator



### TORNADO® Self-aspirating Aerator

- ▶ Self-Aspirating and Blower-Assisted models available
- ▶ Available from 2 to 100HP (1.5 to 75 kW)
- ▶ All stainless steel construction, grease lubricated bearings, and solid shaft results in vibration-free design
- ▶ Ideal for activated sludge basins, sludge holding tanks, oxidation ditches, lagoons, ice control, and post aeration applications



### TWISTER® Low Speed Aerator

- ▶ Available from 2 to 150HP (1.5 to 112 kW)
- ▶ Intense air-to-water mixing for high oxygen transfer
- ▶ Wear resistant and durable construction
- ▶ Ideal for highly loaded basins, oxidation ditches, leachate treatment and activated sludge applications



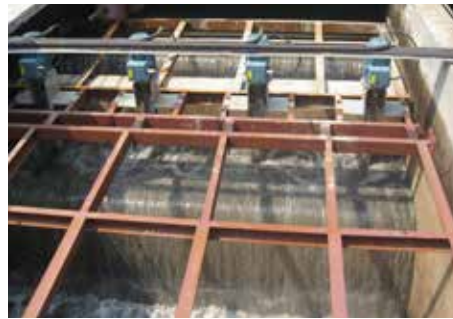
### TYPHOON® Floating High Speed Aerator

- ▶ Available from 2 to 200HP (1.5 to 150 kW)
- ▶ All stainless steel construction
- ▶ High pumping rates with a low trajectory for intense air-to-water mixing and excellent oxygen transfer rates
- ▶ Perfect for high rate aeration applications in basins and lagoons



### HURRICANE® Submersible Aspirating Aerator/Mixer

- ▶ Available from 5 to 100HP (3.75 to 75 kW)
- ▶ Customized air diffuser lengths for most efficient aeration and pipe mixing
- ▶ Effective in aerobic digesters, sludge holding tanks, flow equalization tanks, sequencing batch reactors, and post aeration basins



### ZEPHYR® Induced Air Flotation (IAF) System

- ▶ Available from 1 to 10HP (.75 to 7.5 kW)
- ▶ All stainless steel construction
- ▶ Separates and removes fats, oils, and floatable solids
- ▶ Applied at pulp and paper mills, petrochemical, meat, vegetable, and oil processing facilities



### CYCLONE® Coarse Bubble Diffuser

- ▶ Available in 12 inch or 24 inch lengths
- ▶ Unique bubble shearing action for high oxygen transfer efficiency
- ▶ All stainless steel construction
- ▶ Perfect for activated sludge basins, aerobic digesters, aerated grit chambers, sludge storage tanks, basin channels, and post-aeration basins



### RIPTIDE™ Direct Drive Surface Mixer

- ▶ Available from 2 to 30HP (1.5 to 22.5 kW)
- ▶ Directional mixing just below the surface for high basin mixing efficiency
- ▶ Weedless propeller design and all stainless steel construction
- ▶ Used in industrial applications for wastewater treatment



### MONSOON® Floating Paddlewheel Aerator

- ▶ Available from 5 to 30HP (3.75 to 22.5 kW)
- ▶ High oxygen transfer and strong horizontal mixing
- ▶ 100% stainless steel construction for the ultimate corrosion resistance
- ▶ Effective in lagoons, oxidation ditches, and equalization basins

RWL Water has more than 90 years of combined experience building highly successful water, wastewater, and reuse solutions for diverse industries, and municipalities around the world.

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