

## AERATION & MIXING



# THE BEST ENGINEERED AERATORS AND MIXERS FOR WASTEWATER TREATMENT

Fluence 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
- TWISTER® Low Speed Aerator
- HURRICANE® Submersible Aerator/Mixer
- ZEPHYR® IAF System
- CYLONE® Coarse Bubble Diffuser
- RIPTIDE™ Direct Drive mixer
- MONSOON® Paddlewheel Aerator



### TORNADO® Self Aspirating Aerator

- Self-Aspirating and Blower-Assisted models available
- 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



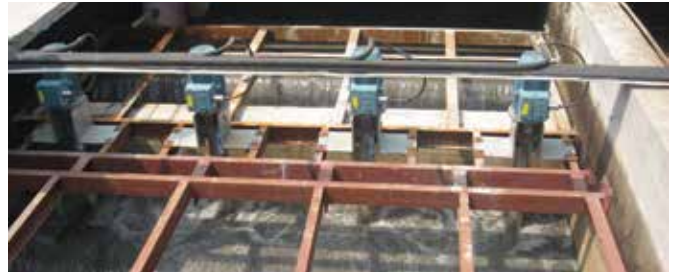
### TWISTER® Low Speed Aerator

- 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



### HURRICANE® Submersible Aspirating Aerator/Mixer

- Self-Aspirating and Blower-Assisted models available
- 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



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

- 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



### 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

### Parts & Service

Fluence offers replacement parts, maintenance items, upgrades and plant services

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