

At Fluence, our applications engineers are devoted exclusively to helping treatment plant operators, consulting engineers, and contractors worldwide. With decades of expertise, and industry-leading aeration and mixing technologies, our experts can help you find the right aeration solution for your unique challenges.

Contact Fluence for more information about the Riptide direct drive surface mixers or to request a quote.

Fluence is Your EXPERT

With thousands of installed units around the world, Fluence is your expert provider for wastewater treatment solutions. We offer all major wastewater aeration technologies and the expertise to help you select and apply the equipment best suited for your application. Our technical experts are ready to assist you with the proper sizing, layout, and operation of your aeration system.

About Fluence

Formed in 2017 following the consolidation of independent water treatment solution providers Emefcy and RWL Water, Fluence Corporation was established with the vision of becoming the leading global provider of fast-to-deploy smart decentralized and packaged water, wastewater and reuse treatment solutions. With some 300 highly-trained water professionals with experience operating in 70 countries, Fluence provides local and sustainable

treatment solutions while empowering businesses and communities worldwide to make the most of their water resources. With core operations in North America, South America, the Middle East, Europe and China, Fluence offers an integrated range of solutions across the complete water cycle - from early stage evaluation, through design and delivery, to ongoing support, optimization of water related assets, operations and financing.

Fluence is a public company traded on the Australian Securities Exchange (FLC).



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Value from Water



RIPTIDE™

Direct-Drive Surface Mixer



Reliable, Low-maintenance Water Mixing at Nearly Any Angle

With its rugged construction and low-maintenance design, the RIPTIDE® direct-drive surface mixer delivers dependable and economic performance mounted at a wide range of angles.

The Riptide features a high-efficiency, slow-speed propeller that mixes the basin just below the surface with no spraying or splashing.



Value from Water



Maximum Dependability, Minimal Maintenance

State-of-the-art engineering and meticulous construction specifications ensure that the Riptide surface mixer will run correctly from the beginning and keep running without time-consuming maintenance. The subsurface propeller will not

foul, even in heavy solids. A double row of bearings securely supports the mixer shaft, preventing vibration and absorbing all propeller thrust loads while the slow speed extends the motor life and increases mixing efficiency.

Riptide's features contribute to long-lasting performance:

- Corrosion- and UV-resistant stainless-steel construction throughout
- Solid shaft, vibration-free design
- Sealed ball bearings
- No-maintenance mechanical seals
- Simplified motor change-out and motor-shaft coupling
- Weedless propeller

We factory test each Riptide direct-drive surface mixer to ensure the equipment meets Fluence's stringent standards.

The Riptide Is Flexible for Optimal Mixing

The Riptide is ideal for wastewater treatment and supplemental mixing, providing complete basin design flexibility. Fully adjustable mounting on floats or brackets means complete mixing of a basin of any depth or shape and makes it simple to direct mixing toward a deficient area. Angle-adjustment locking bolts allow optimization of mixing velocities to ensure a strong mixing action.

Available models range between 2-20 horsepower (1.5-15kW). Options for high-efficiency and premium-efficiency C-face motors increase the system's design versatility. Fluence can recommend configurations that best match your requirements.

Extensive Applications and Widespread Use

The Riptide direct-drive surface mixer improves mixing in a wide range of applications, such as:

- Wastewater treatment
- Chemical mixing
- Solids suspension
- Supplemental mixing
- Cold weather/ice control
- Leachate treatment
- VOC Removal
- Odor & Algae Control

The Fluence team of experienced engineers developed the high-efficiency Riptide as a low-cost, effective solution for many industries, including:

- Chemical processing
- Wine and beverage manufacturing
- Textile
- Pulp and paper
- Dairy

