

# TITUS® TWISTER® FL FLOATING AERATOR



TITUS® Twister® FL is patent pending.



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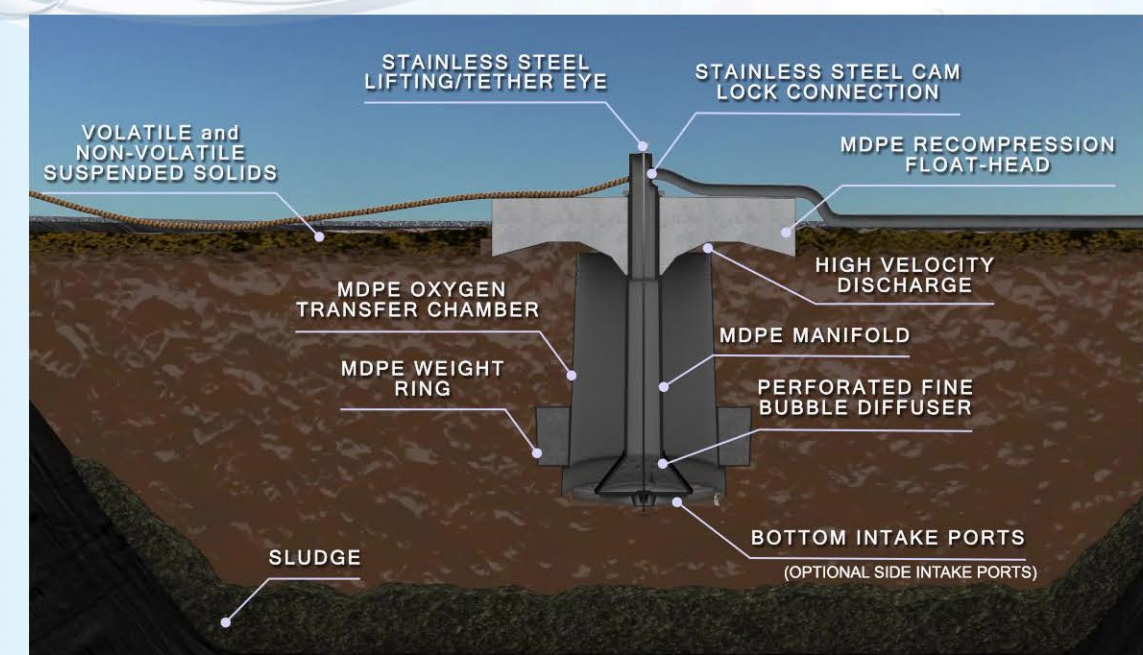
## TITUS TWISTER FL APPLICATIONS

- Sludge Accumulation
- Odor Issues
- Algae Growth
- High Performance Mixing
- Municipal Water/Wastewater Systems
- Industrial, Commercial & Residential
- Stormwater Systems

## TITUS TWISTER FL ADVANTAGES

- Versatile and Adaptable to Many Applications
- Efficient and Economical Operating Costs
- Effective in extreme cold weather
- Proven Performance (third party tested)
- Low Maintenance w/No Moving Parts in Water
- Safe, Centralized Shore-Based Power
- Minimal Installation/Operating Requirements

## TITUS TWISTER FL TECHNOLOGY



1. Air is generated by a shore-based blower, housed in a weatherproof, sound absorbing enclosure.
2. The air is delivered via piping from the blower to the Twister FL head, down through the manifold. For enhanced odor control, ozone may be introduced to the water column during this phase of the process.
3. The perforated, fine bubble diffuser creates air bubbles, which transfers oxygen into the liquid.

4. A vortex and air lift column is created within the oxygen transfer chamber which forces liquid and solid materials to draw upwards towards the high velocity discharge slots.
5. The aerated and mixed liquids and any solids are redirected downward via the recompression float head.
6. Liquid and solid materials are continuously drawn in through intake ports located at the bottom (or sides) of the oxygen transfer chamber, resulting in constant suspension of materials within the structure, as well as the large area of influence.

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## THE CHALLENGES\_\_\_\_\_

### Sludge • Odors • Algae • Safety • Mixing

Many municipal, industrial and commercial facilities encounter challenges associated with the maintenance of wastewater lagoons and/or water and wastewater large tanks.

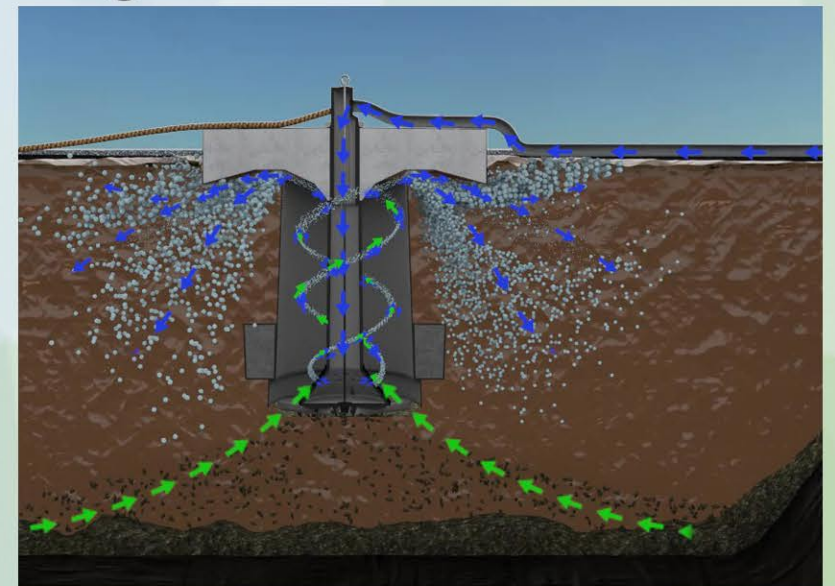
Sludge accumulations, odors, algae growth, mixing challenges, weather related equipment issues, and overall poor lagoon or large tank performance can result in high operational and maintenance costs.

## THE SOLUTION\_\_\_\_\_

### TITUS Twister FL Floating Aerator

The TITUS TWISTER FL Floating Aerator incorporates Air Driven Design and Air Lift Technology, into a uniquely engineered and tested solution.

The TITUS TWISTER FL delivers efficient and substantial aeration and mixing, mechanical breakdown of solids, and the proper aerobic conditions for wastewater and water treatment.

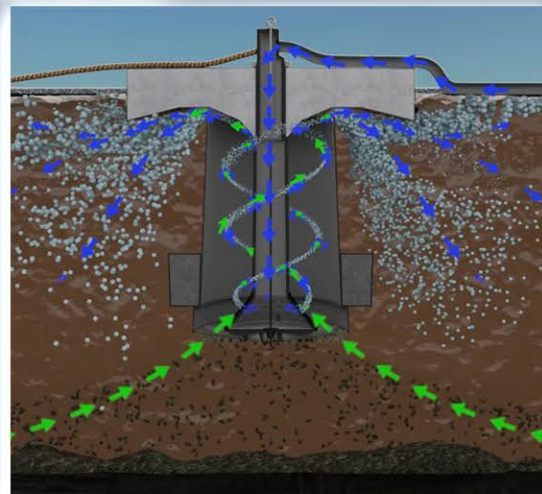


## DESIGNED WITH VERSATILITY, EFFICIENCY & SAFETY IN MIND

### BEFORE\_\_\_\_\_



### DURING\_\_\_\_\_



### AFTER\_\_\_\_\_



*For water and wastewater, lagoons, large stations, tanks and ponds*

- Air Driven Design: No moving parts in the water
- Shore-based Power: No electrical components in the water
- Versatile: Adaptable to wide range of applications
- Weather Resistant: Effective in extreme cold climates
- Easy Install: Ability to move throughout lagoon
- Efficient: Large area of influence and high performance