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Is your dissolved oxygen sufficient?

For Algae Bloom Prevention and Water Quality Improvement in Ponds, Lakes, and Reservoirs

Commercia

wer Supply



The system is highly energy-efficient, operating with minimal power consumption. supports 24-hour operation using either ommercial power or solar panels.

Photo taken on February 5, 2020





(Approximately 7 months after system startup)







Compresso

Field Test

Device Model: T-60 Test Location: [Undisclosed] Dam Lake Test Date: October 26, 2023

At water depths of 10m, 20m, and 30m, the device was operated and dissolved oxygen (DO) levels were measured before and after treatment. High-concentration oxygen-enriched water was generated in proportion to the depth.

Mechanism of Liquid=Film Oxygen Dissolution

Air-exposed water typically contains dissolved gases with a saturation balance of approximately 37% oxygen, 58% nitrogen, and 5% carbon dioxide. This system transforms the entire volume of target water into a liquid-film form, dramatically increasing the gas-liquid contact surface area. This enables simultaneous degassing of oversaturated components and dissolution of insufficient components. As a result, it efficiently increases the DO (dissolved oxygen) concentration in oxygen-depleted water.

