

FreshLake Aeration™

What is FreshLake Aeration™ ?

FreshLake Aeration™ systems grew out of more than 30 years of experience in lake aeration. Understanding the need for a high quality, low-maintenance, custom designed aeration system, Allied Biological Inc. developed FreshLake Aeration™ – a complete submersed aeration design system.

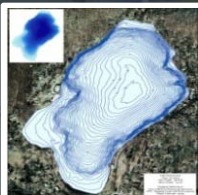
FreshLake Aeration™ : Increases:

- Dissolved Oxygen
- Water Circulation
- Fish havens
- Water layer mixing for reservoir intakes
- Decomposition of organic material
- Carbon dioxide exchange

Decreases:

- Stratification
- Nutrient release from sediment
- Nutrient availability to algae
- Noxious gas release

Key Features:



Custom Design

Completion of a high accuracy bathymetric map of the lake bottom, so diffusers can be placed most strategically in the lake.



Quality Components

Rotary vane compressor housed in your choice of either a heavy duty steel compressor cabinet or upgraded stainless steel cylindrical cabinet. The cylindrical cabinet upgrade provides increased cooling to the compressor and improved access to components.



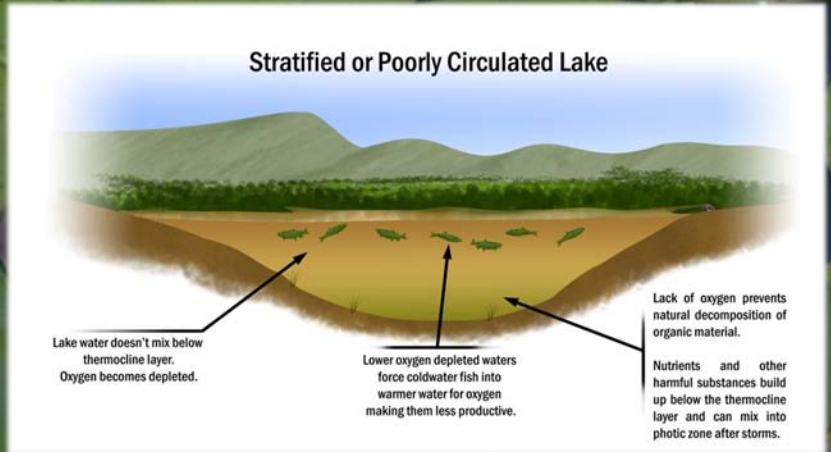
Energy Efficiency

The incorporation of an optional dissolved oxygen monitoring system, which is linked to a system controller, therefore allowing you to operate the system only when needed.

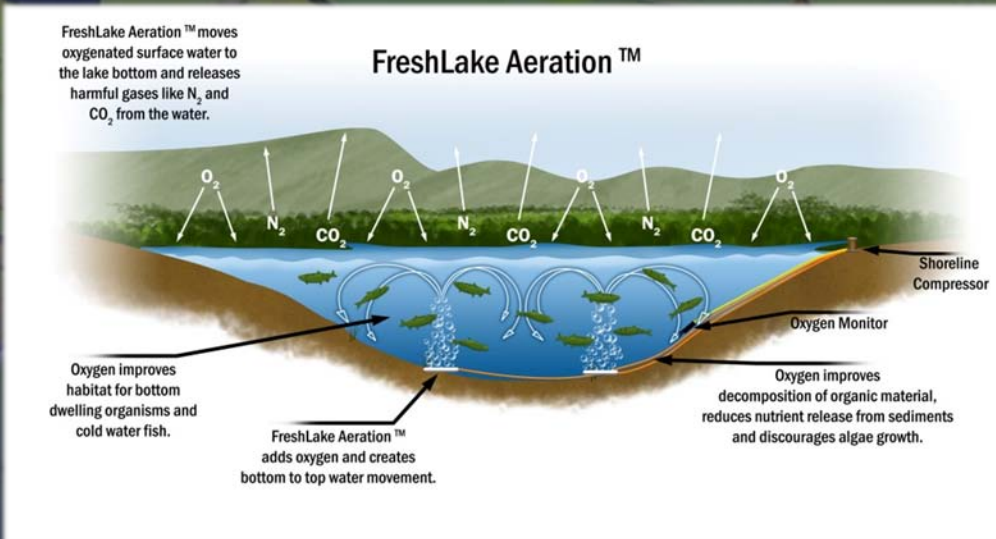
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How It Works...

Before Aeration



FreshLake Aeration™



After FreshLake Aeration™

FreshLake Aeration™ Sample Design

Weighted tubing and diffuser placement for lake destratification.



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