



Source for the Course... What's Your Aerator Choice

Supported by a 5-Year Warranty, Otterbine Aerating Fountain Systems Improve Water Quality in Ponds & Lakes to Create Healthy, Attractive Water Features

When it comes to pond and lake aerators, there are many brands, manufacturers and types to choose from. However at Prime Turf we only offer the best products to our customers and that's why we've become a distributor of Otterbine Pond & Lake Aerators! When you need reliability, functionality and a proven solution, Otterbine

Aerators are your only choice for water quality management!

Turf needs to be aerated regularly to remain healthy, so to does the water that is used to irrigate it. Anything that's living needs oxygen to survive. Oxygen is the most essential element in sustaining water quality of any pond or lake. As stewards of the environment, in order to maintain

the "source for the course", we need to give Nature a boost!

There are three basic types of pond and lake aerators; surface spray aerators, diffused air systems and horizontal mixers. Each type has unique differences and efficiencies which can be utilized in many ways to achieve maximum benefit. Size, depth and lake characteristics must

be considered when choosing an aeration solution. Like the saying goes, "there are several ways to skin a cat", so goes it with pond and lake aeration.



Aeration maintains beneficial levels of dissolved oxygen in the water which eliminates excess nutrients through oxidation and aerobic digestion thus limiting the available "food source" for algae to consume.



Did you know?

Aeration adds and mixes dissolved oxygen in the water which helps maintain a healthy eco-system including beneficial aquatic life. The high flow rate breaks up stagnant areas and deters insect breeding.

Let Prime Turf Help You Improve Water Quality with Otterbine!

Prime Turf Call 1-800-677-8097! Distributor of Otterbine® Products www.primeturf.com





WHAT TO LOOK FOR...

When determining which Aeration System to go with, it's important to consider the following items to insure a safe, effective system is selected.

Oxygen Transfer Rates:

When considering an aerator be sure to look for published Oxygen Transfer Rates (OTR) in excess of 1lb. per Horsepower (HP).

Pumping Rates: Pumping Rates should exceed 400GPM per HP.

Safety Certifications:

Understanding safety testing certifications is very important, check that the certifications are for the entire aeration system as a package versus the individual components. CE, C.S.A., ETL or UL are all accredited certifications.

Otterbine is the only manufacturer to publish their oxygen transfer and pumping rates, while certifying all components are safety tested as a complete package.

Otterbine's Aeration Systems give Nature a boost by recreating wave, wind and rain action that aids in oxygen transfer and circulation.

Let PrimeTurf Help You Develop A Water Quality Management Program Today!

PROBLEM CHECKLIST:

- 1 **Is that part of the fairway?** If your waterways blend into the turf areas due to excessive algae blooms then YOU NEED AERATION!
- 2 **What's that smell?** Whether you use reclaimed effluent water for irrigation or fresh pond water, if it stinks then YOU NEED AERATION!
- 3 **They're clogged again?** If you experience clogged valves and sprinkler heads or have to clean your pump station intake screen more than you like to then YOU NEED AERATION!
- 4 **Are those fish floating?** If you ever had a fish kill and didn't know why then YOU NEED AERATION!
- 5 **It's that bill again!** If part of your operational costs include aquatic herbicides then YOU NEED AERATION!
- 6 **Not another drought?** If you've cut back on irrigation because of a drought and checked the depth of the lake and found out that the sludge layer was deeper than the water then YOU NEED AERATION!

Did you know?

Expensive chemicals can harm our environment and aquatic habitats, they also need regular reapplication.

Aeration is environmentally friendly, reliable, cost-effective and quickly produces noticeable results.



OTTERBINE AERATION SYSTEMS

Air Diffusion Systems

Diffused air systems are most effective in deep water applications, ideally 15ft or greater. The deeper depths allow for more efficient mixing from the micro bubbles emitted at the pond bottom that rise and expand through the water column lifting the cooler more dense bottom waters to the surface, exposing them to the atmosphere where oxygen transfer occurs. Their efficiency is greatly reduced in shallower applications unless multiple diffusers are used.



Horizontal Mixers

Horizontal mixers are best suited for waterways that are 3ft-12ft deep. They are a very effective choice when a strong horizontal circulating flow is needed. Available in both floating and sub-surface configurations, the Otterbine Triton Mixer has a 1.47million cubic foot/hour rating which is equal to 11,025,000 gallons of water in motion every hour!

Ideal to keep water circulating in stagnant areas - eliminating grass, leave and debris build up. Use around pump station intakes to lengthen service intervals and minimize irrigation head clogging.



Surface Spray Systems

Surface spray aerators provide the best vertical circulation or mixing in waters that are less than 15ft deep. They create a convection current that breaks down thermal stratification exposing bottom waters to the atmosphere where oxygen transfer occurs. A good surface spray aerator will have a minimum flow or pumping rate of 400 gallons per minute and have a strong oxygen transfer rate of at least 2lbs per hour.



Otterbine Barebo, Inc. has adopted disciplines from wastewater engineering and lake water management experts to provide the most effective aeration systems available in pond and lake management today!

