LAKE & POND AERATION

Natural ponds get much of their oxygen from the atmosphere. However, as often is the case with artificial ponds, this process - called atmospheric diffusion - is insufficient to achieve optimally desirable levels of oxygen. This often results in stagnation associated with algal blooms, unpleasant odors, low water quality and possible fish kills. By artificially introducing diffused air into a pond or lake, a number of benefits can be achieved. These include:

- **▲** Improved water quality and clarity
- **♦** Reduced algae growth
- **♦** Prevention of fish kills
- **♦** Improved health of fish
- **♦** Elimination of foul tastes and odors
- **♦** Reduction of organic sediment
- **▲** Improved aesthetics



Diffused Air Aeration System

One of the most common and arguably the most effective ways to artificially introduce oxygen into a waterbody is through a **DIFFUSED-AIR AERATION SYSTEM**. In a system of this type, a compressor stationed on shore pumps air through hoses connected to diffusers placed near the bottom of the lake or pond. These diffusers are manufactured with permeable membranes which emit fine bubbles intended to maximize oxygen transfer. The rising air bubbles not only increase the diffusion of oxygen into the water, but also increase the rates of circulation, aerating large amounts of water. By evenly spacing the diffusers throughout the system, the entire lake or pond will become aerated within a short time period.



Custom Designed Systems – Quality Components!

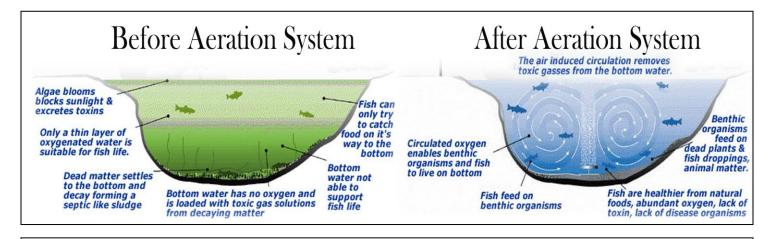
Wisconsin Lake & Pond Resource uses quality components consisting of Gast & Stratus Compressors, Aquamaster Diffusers, Powder Coated "quiet" cabinets, and aluminum manifold assemblies. Our staff will custom design a system fitted to your lake or pond based on oxygen and turnover requirements. We can provide professional installation or instruct you how to install the system yourself.



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Winter Aeration







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