



Why an aeration system?

An aeration system in a pond/lake produces many beneficial results:

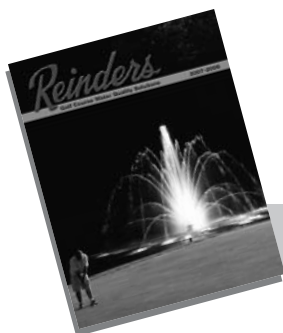
1. Decrease in organic material on the bottom of a lake/pond.
2. Slowing or reversal of the aging of the lake/pond.
3. Increase in the fish carrying capacity.
4. A release of the toxic gases from the bottom of the lake/pond.
5. An increase of oxygen to avoid any summer and winter fish kills.
6. Increase of the effectiveness of bacteria and enzymes.
7. Creates a healthier environment at the bottom of the lake/pond for the bacteria to live.
8. Creates a larger environment for the invertebrates to live.
9. Treatment with chemicals for algae or weeds can create a stressful environment. The addition of an aeration system can help avoid a fish kill from vegetation dying off.

What does an aeration system do during the summer?

It is very important to have an aeration system in a lake/pond during the summer months. Without an aeration system one could run the risk of summer fish kill. This can occur during the really hot summer months because warm water does not hold oxygen very well. The colder the water, the more oxygen water will retain. The second reason to run an aeration system during the summer is because toxic gases accumulate on the bottom of the lake/pond which can kill any fish or inhibit any bacteria decomposition processes.

Why is it important to run a diffused aeration system in the winter?

It is important to have a portion of the lake/pond open during the winter to allow for gases to escape before they get trapped under the ice. It is also very important not to run the entire system during the winter. If the entire system is allowed to run one can risk super cooling the water. The water can form small icicles on the gills of the fish and render them inoperative. The general rule of thumb is to have 10% of the surface of the lake or pond open. An important rule for winter aeration systems is, "Do not run the diffuser in the deepest part of the lake/pond". The deepest part of the lake is where the fish go because it usually is the warmest part of the lake.



Please contact your Reinders sales representative or one of our stores to get a copy of our complete Water Quality Solutions catalog.

Aqua Control



WATER FEATURES



5HP2-Stage Lily



3HP Tornado



2HP Buckingham



3HP Crown Gusher

Here are some pictures of Aqua Control's most popular nozzles. Aqua Control is the only manufacturer of fountains that have a deepwater intake. With a deepwater intake the pond will receive better circulation which leads to a better aerated pond. Aqua Control also manufactures a horizontal configuration which is ideal in ponds that have fluctuating pond depth. These fountains come with a 3 year warranty and a motor that does not require periodical oil changes. Please contact us for more information or prices.



Reinders also offers professional installation and seasonal care. Our technicians will perform a fall removal, winter testing, winter storage, and spring installation. Please call for a formal quote.

VX - Series Aerating Fountains



Providing the highest oxygen transfer rate with the lowest operating cost and a pleasing "V" display pattern.

For nearly 4 decades, Kasco has been manufacturing aeration products proudly in the U.S.A. Our customer-focused philosophy ensures that you get superior performance at a great value. Kasco VX-Series Aerating Fountains improve the overall water quality and smell of your pond, while enhancing its appearance.

VX-Series Aerating Fountains are:

- **The least expensive** to purchase, maintain, repair, and operate.
- **Complete** with everything you need: control panel with Ground Fault Interrupter and photo-eye for optional light kit, power cord, and two mooring lines.
- **Industrial strength** — designed with heavy-duty stainless steel components for continuous operation, extended motor life and corrosion prevention (even in salt water.)
- **Energy efficient** — low power consumption makes continuous operation affordable.
- **Dependable** — units are designed to operate continuously with minimal maintenance, even in shallow water. They are the least likely fountains to clog of any manufacturer because of Kasco's deflector technology, prop guard, and standard bottom intake screen.
- **Versatile** — choose from a variety of power options to address the aeration needs of virtually any-size body of water. VX-Series Fountains are available in 1/2, 3/4, or 1 hp power options. (Also available: 1/4 hp and 2 hp Decorative Fountains with multiple spray patterns.) Power cords are available in 50', 100', 150' and 200' lengths.
- **Easy to use and install** — fountains are easy to install, move, and operate.
- **Compliant and warranted** — Kasco fountains are approved to UL and CSA standards by ETL as complete packages. Each fountain comes with a 2-year manufacturer's warranty.



1/4 hp Kasco JF-Series