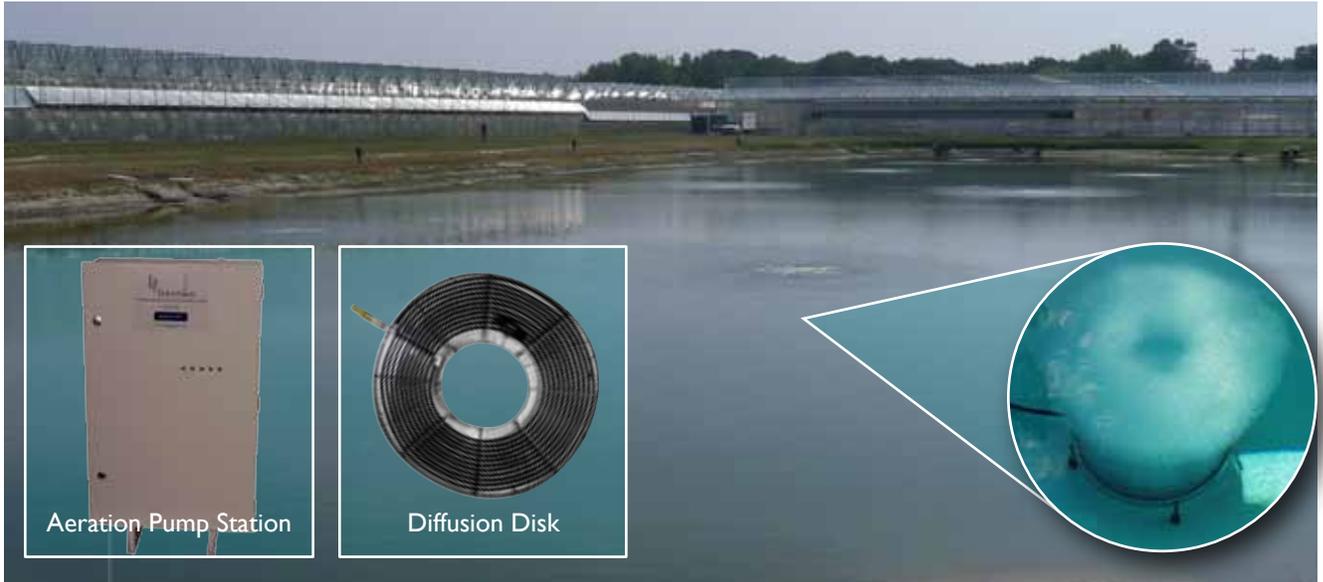


Micro-Diffusion Pond Aeration



Proper Pond Aeration

Proper aeration is the critical first step in achieving high quality water. A well engineered aeration system will result in low algae levels, a reduction of pathogens in the water, higher dissolved oxygen levels, increased water clarity and an elimination of odors. Whether using the water directly without further treatment, or treating the water, the quality will be dramatically improved with a properly engineered aeration system.

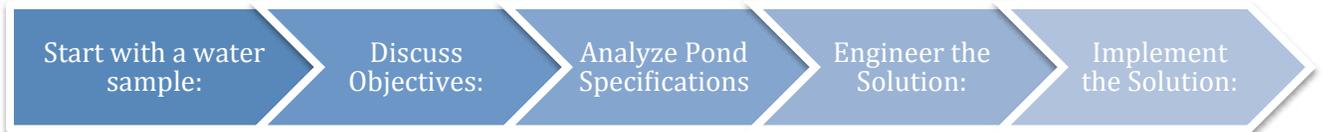
Our approach entails an analysis of the chemistry, topography and climate before a design is created. An engineered system ensures your pond will be properly aerated. Poorly engineered systems, even utilizing the same equipment, will result in a system that does not perform as intended.

Micro-diffusion Aeration Systems utilize extremely small air bubbles to both oxygenate the water and gently turn the water in the pond. Highly oxygenated water reduces anaerobic microorganisms that grow in low oxygen situations. These include many of the pathogens that plague our plants. Turning the water gently ensures that the pond water is homogenized and evenly oxygenated. While rapidly and forcefully stirring the pond can reduce algae, it will also lift sediment into the water. Slowly turning the water in a

pond will create a more gentle flow, evening the temperature and water quality without increasing the levels of sediment or turbidity.

DRAMMwater Micro Diffusion Systems are fully engineered and take into account pond dimensions, depth, water temperature and a complete water analysis. Proper design and installation of these systems ensure that your pond will be as clean and clear as possible. Contact DRAMMwater to learn how we can engineer clean pond for you.

- Reduce algae and pathogens by turning and oxygenating your pond water.
- Micro-diffusion Aeration provides needed oxygen to the water while gently turning the pond.
- Gently turning the pond ensures sediment is left at the bottom, reducing turbidity.
- Various diffusion tools allow us to match the proper aeration system to your needs.
- Scientifically engineered system ensures your pond will be properly aerated.



An understanding of the chemistry of your water helps determine the problems at hand.

Knowing how your water will be used helps determine the level of treatment required.

Consideration of the pond dimensions, depth, temperature and lining helps develop the proper system.

Utilizing all data collected, we develop a proper and complete treatment system.

DRAMMwater personnel will help you install and start up your pond aeration system.



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