

### Frequently Asked Questions

#### **Why does algae grow?**

Nature will always find a balance and in an Oxygen depleted environment Carbon Dioxide (CO<sub>2</sub>) is more abundant and plants utilize CO<sub>2</sub>. Algae is one of the simplest plants nature has and is great at processing the excess CO<sub>2</sub> in the water.

#### **Why chose surface aeration?**

Surface aeration achieves multiple benefits within one system. The surface tension of the water is broken creating wave action to minimize surface insects and debris; Oxygen is transferred into the system at a high rate; and a visual effect for the landscape is created.

#### **What size do I need?**

For proper surface aeration you should move 700-900 gpm per surface acre. Our units are engineered so the horsepower rating corresponds with the surface acre size. For example, our ½ hp unit achieves 350gpm with the decorative aerating cone (or up to 500gpm without cone) making it ideal for a ½ acre body of water.

When selecting a decorative fountain with the Fountain Conversion Kit be aware of the spray pattern height and width to minimize overspray beyond the shore.

#### **Can I use an extension cord?**

Our products are designed with the most common installations in mind. It is recommended to move the power supply closer to the shore as allowed by your local regulations. Extension cords are not recommended with this product.

#### **Where can I use this?**

Anywhere you require mixing of air into water for treatment or aesthetic purposes. Also usable for decorating, agitation, ice prevention, mixing, etc.

#### **How often should I run the unit?**

Running the unit 24 hours a day provides a constant input of oxygen into the system. If you must choose a set time the best time to aerate is at night when plant photosynthesis has ceased for the day. When used as a decorative fountain run as desired.

#### **Does the unit need to float all the time?**

Yes, and needs a minimum depth as indicated in the catalog.

#### **Do I need other treatments?**

Aeration provides beneficial Oxygen for added treatments and the biological system to use. Other system treatments such as beneficial bacteria may be recommended by your local professional.