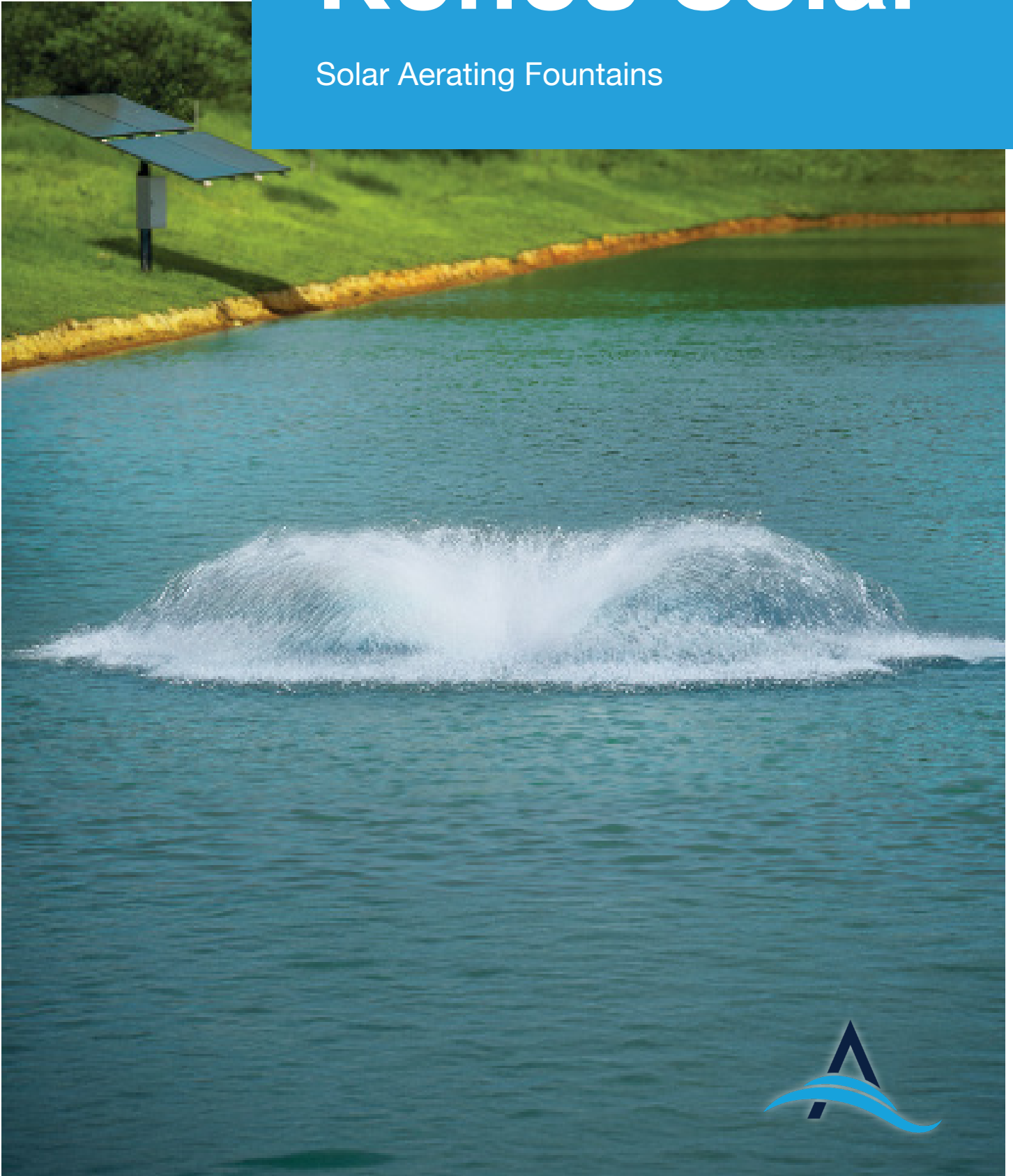
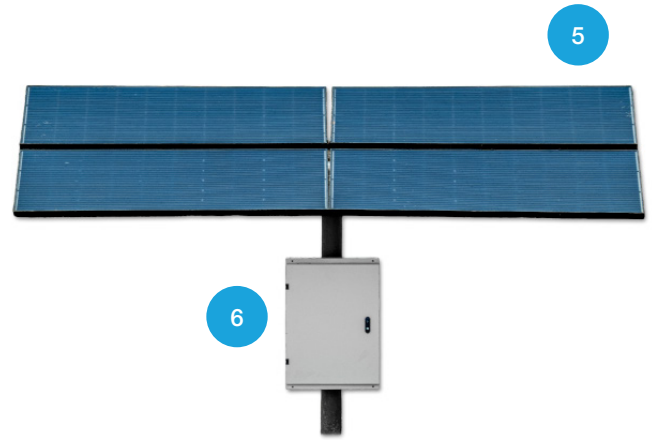


# AquaElite™ **Konos Solar**

Solar Aerating Fountains



# Konos Solar at a Glance



*4" Mounting pole included*

## Equipment Leakage Circuit Interrupter

Each single unit is provided with an equipment leakage circuit interrupter.

**1. Flotation** - Polyethylene 36" square (4" thick) for superior stability styrene foam filled

**2. Diffuser** - Designed to give minimum flow resistance while diverting the liquid from a vertical to a horizontal direction optimizing the dispersion of the aerated liquid into the parent body

**3. Propeller** - Two-blade design of 316 stainless steel precision casting offers trail-back blades for foul-resistant operation and is hydraulically and dynamically balanced for smooth operation

## 4. Submersible Motor -

- Water cooled
- Water Lubricated
- Silicon carbide mechanical seals for longer motor life
- Stainless steel construction

**5. Solar** - includes four Bi-Facial output solar panels with racking & 4" mounting pole included.

**6. OWS Max Energy™** - Solar inverter converts photo voltaic energy to power the fountain during daytime hours.

## Optional Equipment:

**7. Propeller Guard**

**8. Bulgin Disconnects**

**\*De-icing Kits** - Next page

**\*Lighting** - Please contact AquaElite directly.

**\*AC/DC Blending Option** - is available, which allows for continuous max output run time.

Konos Solar uses a specially designed **stainless steel motor**. It's water cooled and lubricated designed for pond and lake applications.

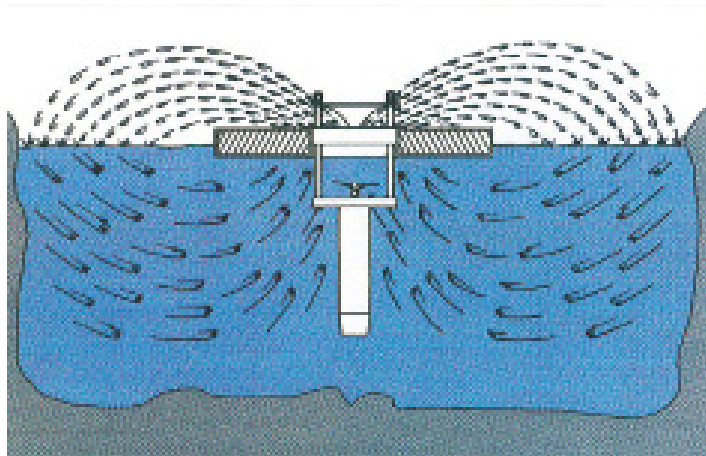
## How it Works

### Pumpage, Aeration, and Mix

The high velocity Konos propeller pumps an immense column of water impacting a computer designed diffuser causing a shearing effect. This converts the water column into a highly accelerated spray pattern which obtains oxygen to the pond or lake.

Simultaneously, the immense volume of water being propelled into the atmosphere is cooler and more dense and heavier, which displaces the warmer water that is rising toward the pond or lake surface. With mixing and aeration, turnover is continuous and prevents stratification to depths up to 8 feet.

### Constant Aeration and Reaeration



## Features

- Exclusive OWS Motor — engineered, tested, and validated to the highest performance standards.
- Rugged, stainless steel submersible motor, water cooled, water lubricated.
- Eco-friendly motor (no oil required).
- No long shafts to bend or become out of balance: 5/8" diameter, 1-1/2" long motor shaft.
- No seals or bearings to maintain.
- Water resistant submersible power cable available in 50' increments.
- High speed, foul resistant propeller. High shear water spraying action. No lazy spray or bubbles.
- Computer designed diffuser engineered to break up the water column for the best oxygen transfer rate.

## Tune Up Kits (Annually)

Includes propeller and shaft slinger

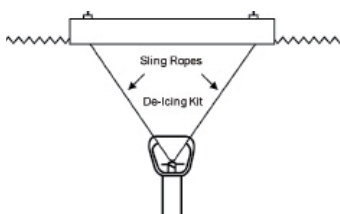
| Kit Number | HP |
|------------|----|
| 99AQ10     | 1  |

## Optional Equipment

Use the Sling Rope Kit or 10' Chain Mount Kit to keep water areas open for docks, water fowl/fish and livestock ponds. This option can be purchased to turn your surface aerator into a de-icer for the winter months!

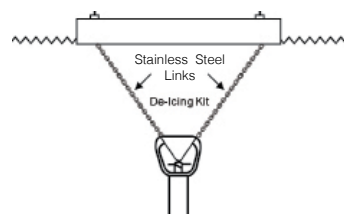
### Sling Rope Kit:

Part No. 09DXR30



### 10' Chain Mount Kit

Part No. 09DICM10



## Cable Selection Guide

| Propeller Pump |    |                        |              |              |               |               |            |
|----------------|----|------------------------|--------------|--------------|---------------|---------------|------------|
| Part No.       | HP | Bi-Facial Solar Panels | Includes     | Avg Diameter | Avg. HT. (ft) | Max. Dia (ft) | GPM        |
| KONOSSAF       | 1  | (4) 24v 60 cell        | 100 FT Cable | 10           | 5             | 18            | up to 1000 |

| Cable (50 FT Standard) |                                 |                    |
|------------------------|---------------------------------|--------------------|
| Part No.               | Sold by                         | Gauge / Conductors |
| CBL0096                | 50 Ft Increments (up to 200 FT) | 12/4               |
| CBL0101                | 50 Ft Increments (up to 400 FT) | 10/4               |

| Grid Power Cord |        |
|-----------------|--------|
| Part No.        | Length |
| CBLACDC50       | 50 FT  |
| CBLACDC100      | 100 FT |
| CBLACDC150      | 150 FT |

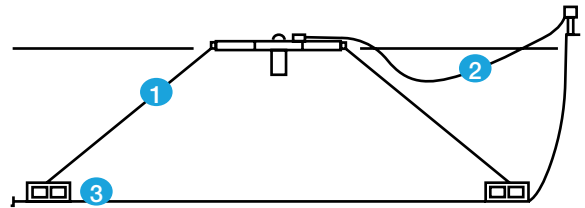
### How Much Aeration?

The question is often asked, "How much aeration do I need?" All ponds and lakes have different characteristics. As a rule however, 350 gpm to 500 gpm propelled into the atmosphere should be adequate for 1/2 surface acre of water, based on the Biochemical Oxygen Demand (BOD) in the average pond or lake.

### Suggested Mooring

Use approximately three feet of mooring rope per foot of water depth to allow for water level fluctuation. Tying unit to the shore is also acceptable if visible mooring ropes are not objectionable

1. 1/4" Polyethylene rope supplied by others
2. Power cord
3. Cement block anchor (8x8x16 with holes)



To learn more about our full line of **AquaElite** fountains and products, reach out to a fountain expert today.



Call 866.471.1614 or visit us  
online at [aquaeliteproducts.com](http://aquaeliteproducts.com).

