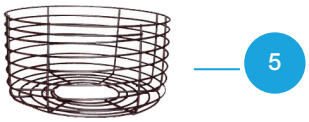
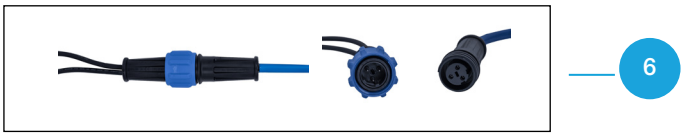
AquaElite™

Konos Pro

1/2hp-1.5hp Surface Aerators

Konos Pro at a Glance





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

Optional Equipment:

5. Propeller Guard

6. Bulgin Disconnects

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

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

Class B Equipment Leakage Circuit Interrupter

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

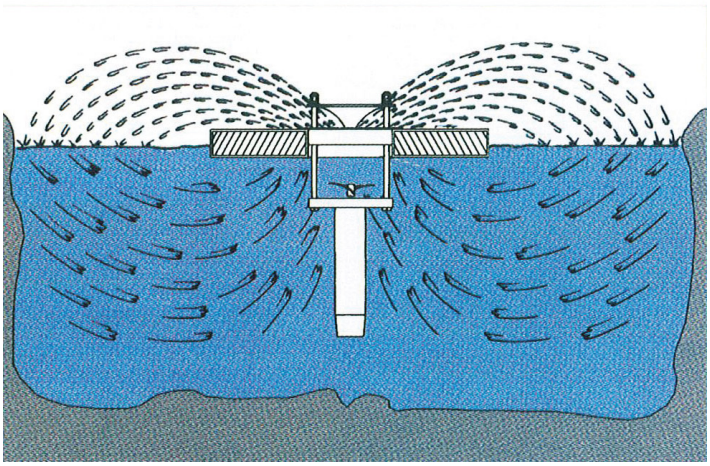
How it Works

Pumpage, Aeration, and Mix

The high velocity Konos Pro 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 12 feet.

Constant Aeration and Reaeration



Features

- Rugged, stainless steel submersible motor, UL778 recognized, 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.
- Limited three-year warranty.
- Propeller guard.
- Backed by our outstanding customer service.

Performance Data

Part No.	HP	Volts/ Phase	Ph.	Max. Amps	SOTR	GPM/ LPM Rate
Konos 5011550	1/2	115	1	12	2.3#	500
Konos 5023050	1/2	230	1	6	2.3#	500
Konos 752303	3/4	230	3	3.3	2.3#	500
Konos 754603	3/4	460	3	1.6	2.3#	500
Konos 123050	1	230	1	9.8	3.0#	1475
Konos 152303	1.5	230	3	5.3	3.0#	1475
Konos 154603	1.5	460	3	2.6	3.0#	1475

* Max Amps: Maximum allowable service factor amperage

**SOTR: Standard Oxygen Transfer Rate

Based on tests performed by GSEE Environmental Consultants, Lavergne, TN

NOTE: Pumpage rate is the highest available per nameplate horsepower and is independently tested.

Minimum Operating Depth: 1/2 hp=18", 1 hp=24"

Tune Up Kits (Annually)

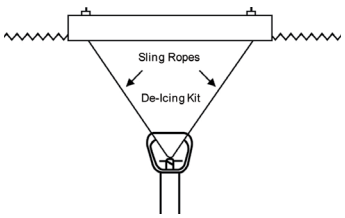
Includes propeller and shaft slinger

Kit Number	HP
99AQ5	1/2
99AQ75	3/4
99AQ10	1
99AQ15	1.5

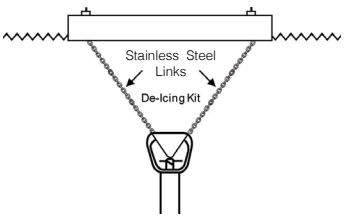
Optional Equipment

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

Motor Rating		Copper Wire Size		
Volts	HP	12	10	8
115	1/2	150	*	*
230	1/2	250	*	*

Single phase, two-wire w/ground cable, 60 HZ (maximum length in feet – service entrance to unit)

Motor Rating		Copper Wire Size		
Volts	HP	12	10	8
230	1	400	*	*

Single phase, three-wire w/ground cable, 60 HZ (maximum length in feet – service entrance to unit)

Motor Rating		Copper Wire Size		
Volts	HP	12	10	8
230	3/4	400	*	*
460	3/4	400	*	*
230	1.5	400	*	*
460	1.5	400	*	*

Lengths meet the U.S. National Electric Code ampacity for either individual conductors or jacketed 60˚ C cable.

This table is based on copper wire.

***Consult factory for additional lengths**

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.

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

AquaElite™

Call 866.471.1614 or visit us online at aquaeliteproducts.com.