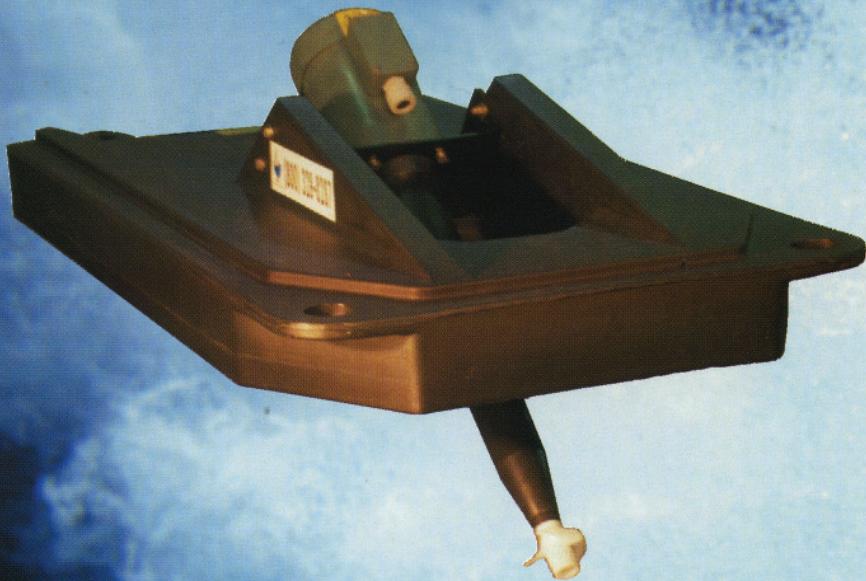


# AIRE-O<sub>2</sub><sup>®</sup>

Series II Aeration System 2



Serving the  
Aquaculture Industry  
for Over 25 Years

Aeration Industries<sup>®</sup>



International, Inc.

# The AIRE-O<sub>2</sub><sup>®</sup> aeration system... The original aspirator aerator

Aeration Industries International Inc., the worldwide leader in aeration systems and expertise, offers aquaculturists the premier aeration system for all your water quality management needs. The AIRE-O<sub>2</sub><sup>®</sup> series II aerator is a high quality, minimal maintenance unit with proven, superior performance...all at an economical price. Increase stocking densities, yields, and profits!



Daniel Durda



Brian Cohen

Aeration Industries was founded in 1974 by the late Joseph Durda and his son, Daniel Durda, whose visionary dream was to help provide a protein food source to feed the world's growing population.

Today, a third generation has joined the company. Brian Cohen, grandson of Joseph and nephew of the current president, Daniel Durda, continues the dedication to that vision as the Company commits itself to providing the aquaculture industry with superior technology and service for the coming decades.

In addition to aquaculture, Aeration Industries has a proven record of providing solutions worldwide in the treatment of municipal sewage and industrial wastewater treatment; and in the restoration of lakes, rivers, and harbors. Aeration Industries' full product line of wastewater equipment and systems include the new AIRE-O<sub>2</sub><sup>®</sup> Triton aerator/mixer for nitrification & denitrification; AIRE-O<sub>2</sub><sup>®</sup> aspirator aerators up to 100 hp (74.57 kW) units; AIRE-O<sub>2</sub><sup>®</sup> Turbo surface aerators up to 150 hp (111.85 kW) units; Microfloat DAF System for pretreatment; and the customized Unisystem activated sludge wastewater treatment system that treats flows up to 5.0 MGD (18,925 m<sup>3</sup>/day).

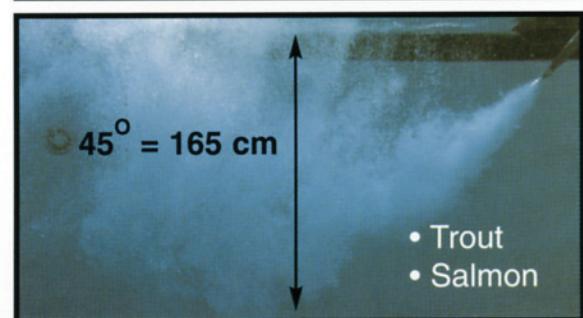
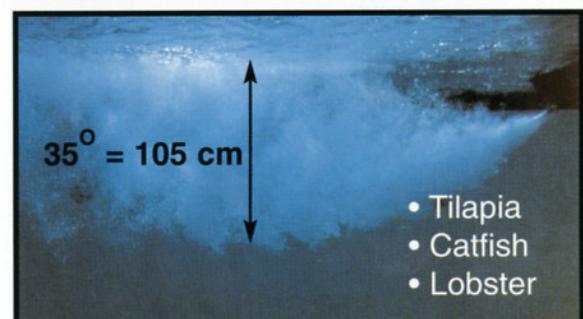
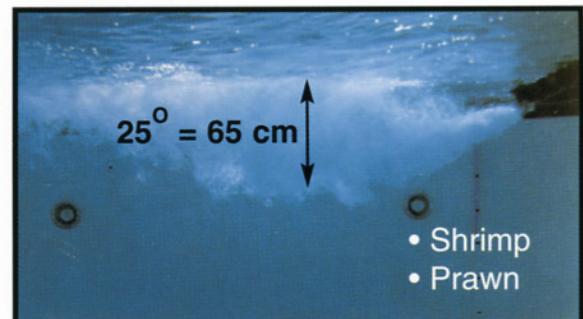
This USA company's customer list reads like a "Who's Who" of Fortune 500 companies worldwide. Aeration Industries is a Preferred Equipment Supplier to Coca Cola Company and has been featured as a "solution to pollution" on ABC-TV World News Tonight on a week long broadcast on the environment as well as in other broadcast and worldwide print media.

Because Life Depends on Clean Water... Trust your "liquid assets" to the Best... The originators of aspirator aerators... Aeration Industries' AIRE-O<sub>2</sub><sup>®</sup> aeration system.

## 2 Hp AIRE-O<sub>2</sub><sup>®</sup> Series II at Various Angles of Entry

The AIRE-O<sub>2</sub><sup>®</sup> aerator can be adjusted from 25 degrees to 45 degrees for optimal mixing, oxygen dispersion, and destratification and is suitable for all species and pond depths.

These photos, at right, show how the water circulation velocity sweeps organic waste material and moves it to the effluent drain.



## The Proof is in the Mixing....

Introduction of Dye



8 Minutes Later



32 Minutes - Complete Mix



Splasher-After 80 Minutes



• 2 Hp (1.49 kW) AIRE-O<sub>2</sub><sup>®</sup> shown in a one acre pond. Splasher shown is a 3 Hp (2.237 kW) unit.

## Features & Benefits

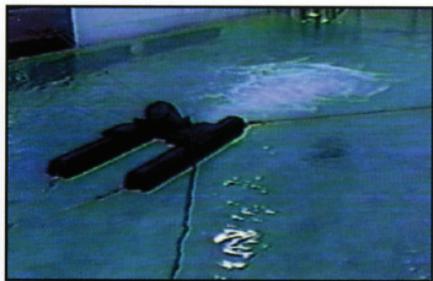


- Produces fine bubble aeration as defined by the EPA (less than 2.2 mm in size) that insures optimum oxygen transfer efficiency.
- Distributes and uniformly mixes oxygen throughout your entire pond.
- Ideal for zero exchange systems.
- Reduce disease and mortality rates.
- Increase stocking densities, yields, and profits!

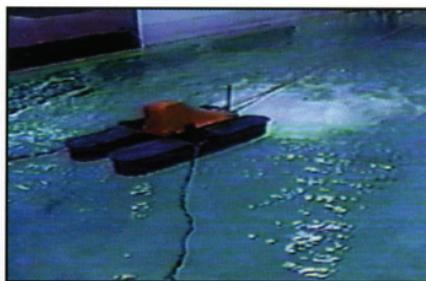
- Premium high quality USA motor with specifications designed for tough environments, not plagued with problems inherent to failure ridden gear box design.
- Surface-mounted motor designed for years of trouble-free operation, not susceptible to the hazards and failures of subsurface motor types.
- New one piece unifloat insures ease of installation.
- Combined propeller/diffuser.
- Water lubricated bearing, no risk of pond contamination.
- Lightweight and portable.
- Durable floatation built to withstand harsh conditions.
- Almost maintenance-free due to design ingenuity of only one moving part.
- Made and assembled in the USA.

## Major Aerator Types Put to the Test\*

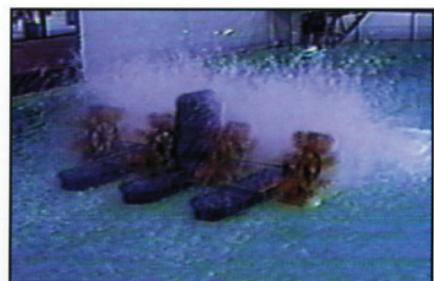
AIRE-O<sub>2</sub><sup>®</sup> Above Water



Asian Copy of AIRE-O<sub>2</sub><sup>®</sup> Above Water

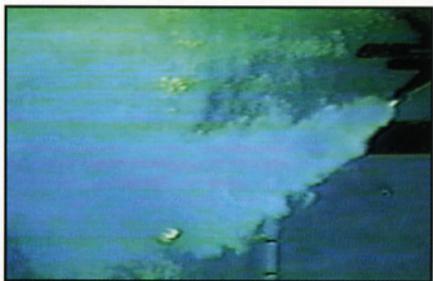


Paddlewheel Above Water

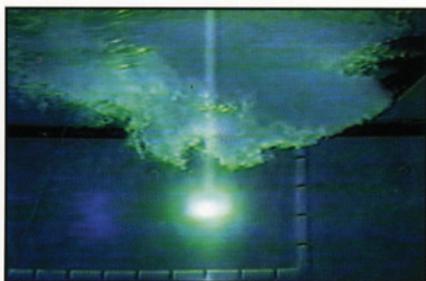


\* Test conducted at Aeration Industries 100,000 gallon (380 m<sup>3</sup>) research and development test pool. Please note the AIRE-O<sub>2</sub><sup>®</sup> shown above is the same aerator (the float pictured is the old style float).

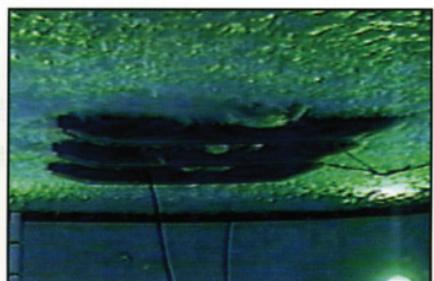
AIRE-O<sub>2</sub><sup>®</sup> Below Water



Asian Copy of AIRE-O<sub>2</sub><sup>®</sup> Below Water



Paddlewheel Below Water

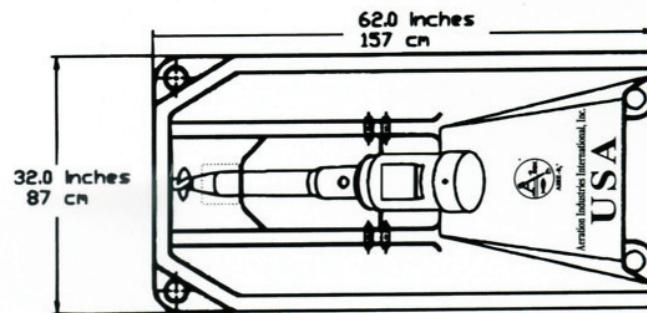
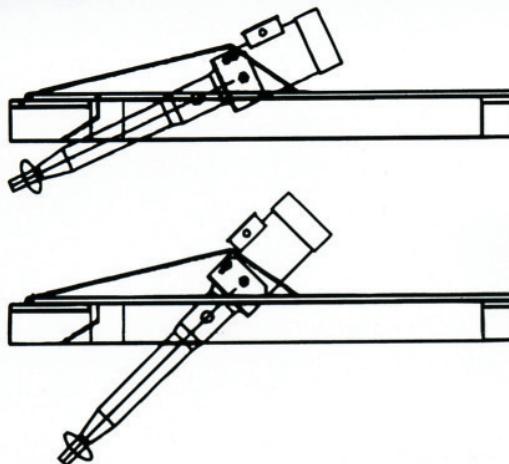


- Superior Oxygen Dispersion and Mixing

- Struggles to Maintain Half of AIRE-O<sub>2</sub><sup>®</sup> Performance

- Limited Destratification and Mixing

# AIRE-O<sub>2</sub><sup>®</sup> Series II Aspirator Aerator



## SPECIFICATIONS

60 HZ Models	MOTOR Voltage/Phase	Shipping Weight	Shipping Dimensions
	2 Hp 230/460 3-Ph	110 lbs/ 47.7 kg	65"x35"x13"(160x88.9x33cm)
	2 Hp 220	110 lbs/ 47.7 kg	65"x35"x13"(160x88.9x33cm)
	3 Hp 230/460 3-Ph	115 lbs/ 50 kg	65"x35"x13"(160x88.9x33cm)
	3 Hp 208/230 1-Ph	115 lbs/ 50 kg	65"x35"x13"(160x88.9x33cm)
50 HZ Models	MOTOR Voltage/Phase	Shipping Weight	Shipping Dimensions
	2 Hp 220/380 3-Ph	110 lbs/ 47.7 kg	65"x35"x13"(160x88.9x33cm)
	2 Hp 220 1-Ph	110 lbs/ 47.7 kg	65"x35"x13"(160x88.9x33cm)
	2 Hp 240/415 3-Ph	110 lbs/ 47.7 kg	65"x35"x13"(160x88.9x33cm)
	3 Hp 220/380 3-Ph	115 lbs/ 50 kg	65"x35"x13"(160x88.9x33cm)
	3 Hp 240/415 3-Ph	115 lbs/ 50 kg	65"x35"x13"(160x88.9x33cm)

### Available Options:

- \* Fish Guard
- \* 1 Hp (0.7457 kW) units
- \* Any common worldwide voltage, phase, and hertz combination not listed above.
- \* Electrical cable: SEOWA weather, UV and abrasive resistant.

With proper use, installation and maintenance, Aeration Industries International, Inc. warrants that it will at its option, repair or replace goods found to be defective in material or workmanship provided that within eighteen [18] months of shipment, or twelve [12] months from date of installation, whichever occurs first, the purchaser gives written notice of such defect to the manufacturer at the point of origin, with transportation charges prepaid by the purchaser. If an examination by the manufacturer discloses to its satisfaction the existence of such a defect, the manufacturer will honor this warranty. In no event shall the manufacturer be liable for any incidental, special, or consequential damages resulting from said defects. The customer is responsible for electrical installation and meeting the minimum standards of the USNEC, and compliance with local electrical codes.

Come Visit Us At [www.aireo2.com](http://www.aireo2.com)!

**Aeration Industries International, Inc.**

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