

# Kasco® water treatment for industrial applications

From aquaculture to industrial applications, Kasco Aerators are in use wherever it is necessary to improve water quality. Kasco's high oxygen transfer is perfect for fish pond and industrial lagoon alike.

Kasco horizontal circulators offer an economical, efficient means of moving water in calm or stagnant water. A 1/2 hp unit can effectively circulate a one acre pond that is six feet deep.

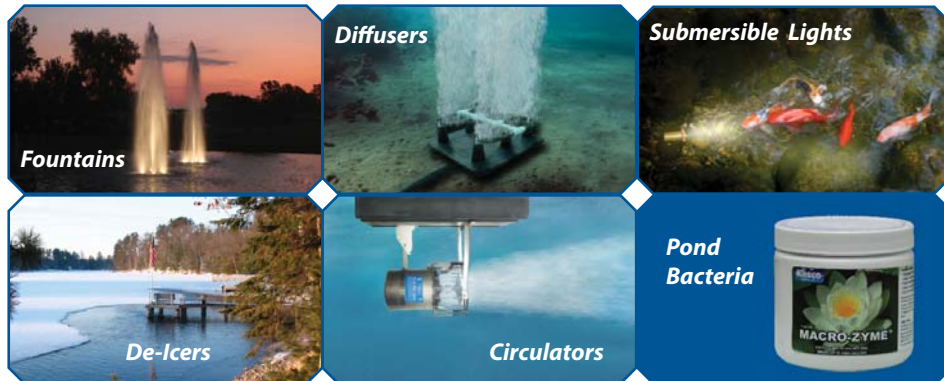
Kasco Marine has extensive experience in the design and manufacture of submersible aeration/agitation equipment. Stainless steel components are standard for the demanding, corrosive marine environment.

Kasco aeration/agitation equipment also make excellent submersible mixers for use industrial processes.



1/2 hp circulator moving water both horizontally and vertically.

## OTHER KASCO® PRODUCT CHOICES...



Optional C-25 120V controller with GFI, timer and plug-and-go setup for aerators and circulators (standard on fountains).



Optional intake screen for aquaculture aerators (standard on fountains).

### DIFFUSERS

- Used to aerate ponds with depth greater than 8 - 10 feet.
- No electricity in the water. There are no motors or electrical components in the water and no restrictions on swimming, boating, or fishing while the unit is operating.
- Energy efficient operation. Kasco's Robust-Aire™ diffuser circulates the most water with the least energy expended. Our compressors are energy efficient and Robust-Aire™ diffusers produce a superior amount of water flow, exceeding other models by 10 to 40 percent.

### FOUNTAINS

- Use for both aesthetics and aeration.
- Efficient operation with high flow rates and low amp draw.
- Sizes of 1/4, 1/2, 3/4, 1, 2, 3, 5, and 7.5 hp available.
- Lights are available.
- J-Series fountains include multiple nozzles for different spray patterns.
- Bottom and top screens as well as control panels are standard.

### CIRCULATORS

- Available with a float or dock mount.
- Adjustable angles on both mounts.
- Move and aerate stagnant water in dead-end canals, marinas and aquaculture facilities.
- Prevents winterkill. Shallow water and small ponds become more difficult to keep open in extremely cold conditions.
- Available in 1/2, 3/4, and 1 hp sizes.
- Circulators can influence water in depths of up to 18'.



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# AERATORS

Affordable • Efficient • Dependable



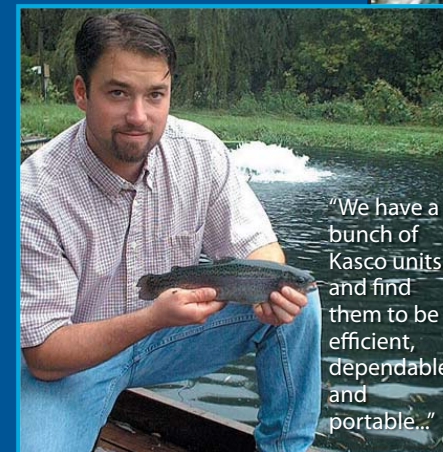
"THE most effective aerator out there..."

Steve Abernathy – Owner of Til-Tech Aquafarm, which produces Tilapia fingerlings in an indoor recirculating facility.



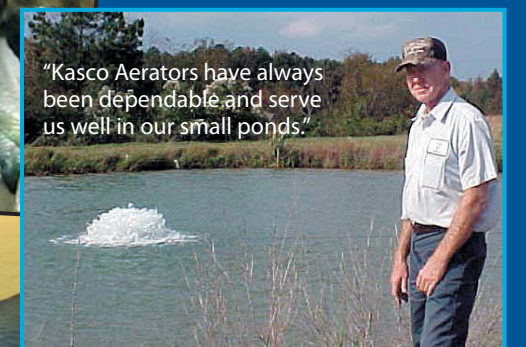
"We have used them for years and they are very reliable... we never have to worry about low oxygen levels."

Mike Clark – Farm Manager for Keo Fish Farms, the largest producer of hybrid Striped Bass fingerlings in the world.



"We have a bunch of Kasco units and find them to be efficient, dependable and portable..."

Peter Fritsch – Farm Manager for Rushing Waters Trout Farm, the largest Rainbow Trout producer in the Midwest.



"Kasco Aerators have always been dependable and serve us well in our small ponds."

Paul Williams – Owner of Owen and Williams Fish Farm, producers of game fish, grass carp and catfish.



KASCO® AERATORS ❖ THE ENERGY SAVERS

**Kasco® pond aerators (also called high oxygen transfer units) are designed to withstand the rigors of commercial aquaculture operations, industrial applications, and municipal waste water plants.**

With more vertical-pump-type aerators in use in North America than any other manufacturer, Kasco is the clear market leader in products proven to deliver outstanding performance and reliability.

Kasco pond aerators dramatically agitate high volumes of water at the surface to maximize exposure of water to the air for valuable gas exchange, greatly improving your pond or lake aeration.

Typical applications include commercial aquaculture, agricultural ponds, industrial plants, municipal waste water and backyard ponds. These units are typically selected for surface aeration when a decorative fountain pattern is neither necessary nor desired.

All Kasco pond aerators are self-contained, lightweight units that float at the surface with a single power cord returning to shore and two or three mooring lines anchoring the unit. The units are easily installed and maintained by a single person and have proven to be an excellent choice for both continuous duty pond or lake aeration and supplemental aeration for unique applications.



### FEATURES AND BENEFITS OF POND AERATORS

- **EFFICIENT / LOW POWER USE:** Highest efficiency design for low power consumption versus competing units. Reduces operating costs over the entire life of the unit.
- **RUGGED MOTOR:** Environmentally friendly design with a hard-face internal mechanical seal for protection against leaks. Long-life top and bottom ball bearings. Flood oil lubricated for excellent heat dissipation.
- **CORROSION RESISTANT:** Superior dependability in salt-water or other corrosive environments. All external metal motor, float, and hardware components are of stainless steel composition and protected by a sacrificial zinc anode.
- **LOW MAINTENANCE:** Clean the motor housing once or twice per year and replacing the sacrificial zinc anode when visibly corroded.
- **FULLY TESTED:** ETL listed to stringent UL and CSA Safety Standards.
- **SHIPS EASILY:** Via UPS
- **DEPENDABLE:** Backed by a two-year warranty (three-year warranty for the 2, 3, and 5HP)

All models include a float and two (or three) 50' braided nylon mooring ropes and are available with underwater rated electrical power cords. Cable lengths of 50', 100', 150', 200' for all 120V units. In addition to these lengths the 240V single phase and 230V 3 phase units also can be purchased with 250', 300' and 400' cords.

Model	Size	Min. Depth	Voltage	Running Amps
2400AF	1/2 hp	15"	120V	5.0
3400AF	3/4 hp	18"	120V	6.7
3400HAF	3/4 hp	18"	240V	3.4
4400AF	1 hp	19"	120V	11.3
4400HAF	1 hp	19"	240V	5.7
8400AF	2 hp	20"	240V	9.0
2.3AF	2 hp	20"	230V 3Φ	4.5
3.1AF	3 hp	24"	240V	10.7
3.3AF	3 hp	24"	230V 3Φ	8.2
5.1AF	5 hp	26"	240V	18
5.3AF	5 hp	26"	230V 3Φ	13

## Kasco® Aerators are used throughout the industry.



**RACEWAYS:** Kasco Aerators can be used to increase oxygen levels during feeding, as well as to increase fish densities.



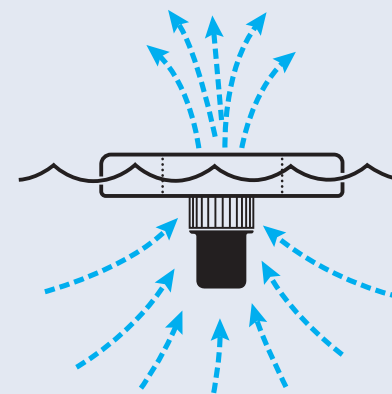
**TANKS:** This Tilapia farm uses Kasco Aerators to maintain densities of up to .4 lbs of fish per gallon of water. The aerators are also used to vent carbon dioxide.



**PONDS:** One person can move these aerators from pond to pond, making them ideal for emergencies and a standard for continuous aeration.



**NET PENS:** Can be used to move water as well as prevent ice build-up. Angle, depth, and direction are adjustable with dock mount accessory.



Because of our unique 360° top intake, all units can operate in shallow water. It has been designed to minimize intake thrust at any given point (healthy fish have no problem being near the intake). The uninhibited intake means greater flow and electrical efficiency.

### THE KASCO® ADVANTAGE:

- Provides high oxygen transfer at a low cost
- Higher dissolved oxygen level results in less stress, better feed conversion ratios, and faster growth
- Increases fish growth and population density
- Efficient water and food circulation with little or no bottom turbulence
- De-gases in recirculation systems as well as incoming water supply
- Lightweight and portable for fast emergency aeration
- Ideal for supplemental or continuous aeration
- Manufactured for salt water durability