



Flo-Ration

... the 3 in 1 aeration system

THE POWER HOUSE
INC.

Specifications

- Unit is available in a 1-hp motor, dual propeller running at 8.2 Amps for a 115 volt or 4.1 Amps for a 230 volt, and both are capable of running 50/60 cycle. This unit can be specified for a 1 or 3 phase multi-position type aerator.
- Unit shall consist of motor assembly, heavy-duty PVC shroud and pontoons.
- Motor assembly shall consist of motor housing, bronze endbell, electronic motor, start/run components, seals and dielectric lubricating fluid. The motor housing shall be constructed of 16 gauge #304 stainless steel and the endbell shall be cast bronze for corrosion-free operation in either fresh or salt water. The electric motor, with matched necessary start/ run components shall sit inside the motor housing, immersed in the dielectric lubricating fluid, with the shaft extending through the bronze endbell. The motor shall have stator windings with double impregnation of baked insulating varnish, and two heavy-duty ball bearings to provide support for the rotor. The motor shaft shall be #303/#304 stainless steel (not plated), with motor shaft flinger to prevent sand and dirt from accumulating around the endbell. The assembly shall also contain an internal, heavy-duty, hard-faced mechanical seal with stainless steel components to keep assembly watertight, and an additional seal pressed into the bronze endbell at the shaft opening to protect against sand and dirt abrasion.
- Motor is designed for corrosion-free operation in fresh or salt water. Motor exceeds NEMA specifications and is UL and CSA compliant. C.E. Certified.
- Custom brackets will attach motor housing to shroud. All stainless bolts and locking aircraft nuts are to be used.
- Unit is available with 50', 100' or 150' of water resistant power cord for 115V or 50', 100', or 150' or 200' for 230V.
- Unit's steel frame has been primed and twice powder-coated for extra protection against corrosion.
- Unit's pontoons are made from HDPA (High Density Polyethylene)
- Unit comes with a 2-year warranty



Individuals should not enter water when unit is in operation.

The Power House, Inc is committed to providing the finest fountains/aerators available in the marketplace.
As a result, specifications are subject to change without notice.

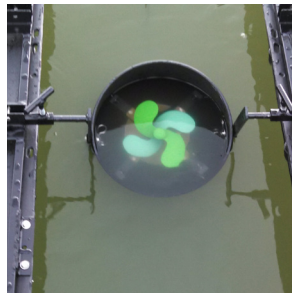
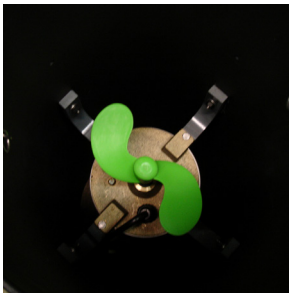
Oxygen loss can devastate your business. Loss of plant and fish life happens most often at night or in stagnant waters. With a 1-hp motor, Flo-Ration is powerful without a lot of energy. Flo-ration takes water from below the surface, utilizing motorized propellers that draw the water in an upward direction through the cylinder, thus creating better water flow and/or breaking the surface of the water column, depending of the angle of the cylinder.



Go from murky waters...



to clear waters & healthy fish



45 Degrees

50/60Hz

115 or 230 volt

SOTR: LB_O2/Hr 2.35

At this angle, the aerator is always churning up new water and forcing the freshly oxygenated water out to other parts of the pond, easily generating enough oxygen for 1-3 acres of water. For larger bodies of water, consider placing several in a row for even better current flow.

Purpose & Positioning

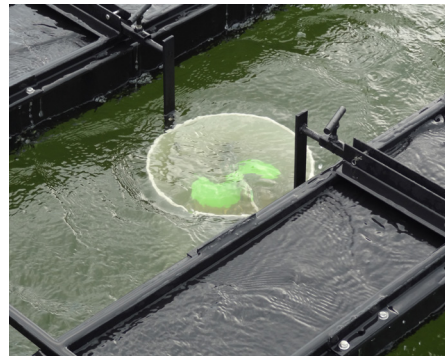


Flo-Ration is used to increase the level of oxygen saturation within a body of water, addressing the needs of water treatment and quality by allowing for adjustments. This system allows the propellers to work while being tilted at an angle of 45° and 90° relative to the surface of the water.

Horizontal

Pumping at an incredible 1379 gallons of water per minute!

The main function of the Flo-Ration in a horizontal position is to create current within the waters; constant movement for waters that are often too calm to maintain healthy aquatic life.



Vertical

50/60Hz

115 or 230 volt

SOTR: LB_O2/Hr 2.35

In the vertical position, this product is great for smaller bodies of water. A single unit at this angle is perfect for one acre of water or less. Water is constantly being circulated giving this aerator the ability to destratify and create high levels of dissolved oxygen for your pond.



Aquaculture

Low dissolved oxygen levels and poor water quality can mean lower yields, reduced growth rate, and increased susceptibility to fish stress and disease. Fish farmers are finding improved water quality and increased production by using Power House, Inc aerators in raceways, ponds, and sea pens.

The Power House, Inc. fountain/aerators are energy efficient and produce some of the highest oxygen transfer rates per horsepower / hr available. Also, these units help to maintain cleaner water, provide gentle circulation and prevent thermal stratification... with no turbidity. Additional benefits include the ability to use the units as flow generators and to prevent winter fish kills.

The Power House, Inc. fountains/aerators are unique in design and superior in construction and performance. They are also suitable for both salt and fresh water use.

Proudly Manufacturing F250 - F1000DP Aerators

Long known for our dependable and highly efficient motors, The Power House, Inc. manufactures surface aeration equipment for pond sizes of .1 to 1+ acres per unit. Whether used in fish pond cultures or recreational ponds, we have units ranging in size from ¼-hp to ½-hp in a single propeller or ¾-hp to 1-hp in both single and dual propellers. All are designed to produce high oxygen transfer. Proper use of our aerators prevents fish stress and mortality, increases growth rate, reduces feed costs, removes carbon dioxide and ammonia, and prevents algae growth. Operating costs of our aerators are far lower than those of most other aeration units.



F1000DP with Lighting Accent System



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