



*Proven long-term dependability*

# **Fresh-flo<sup>®</sup>**

## **MANUFACTURER OF AQUACULTURE PRODUCTS USED BY**

**Fish Farmers, Fish Hatcheries, Property Owners of Lakes and Ponds, Industrial and Commercial Ponds, Golf Courses, Waterfowl and Hunting Preserves**



Bug Lite Fish Feeder provides natural source of protein as fish food



Graders that adjust sizes for quick and easy sorting



All-purpose aerators for ponds and raceways



12-volt DC transport aerators

**SHEBOYGAN, WISCONSIN**

# *Our aerators force a mixture of air and water...* **SPEEDS NATURE'S OWN WAY OF ADDING OXYGEN TO WATER**

A healthy body of water needs the proper amount of oxygen – too little oxygen will cause fish kill – too much oxygen will stimulate algae and weed growth. Now, man can assist nature in the regulation of oxygen by using our aerators.

For 50+ years, our aerators have been used to restore adequate oxygen, reduce water temperature, dislodge obnoxious gases, dissolve organic wastes, and prevent freeze-out in large and small bodies of water. The Fresh-Flo process is positive, practical, efficient – and foolproof.

A propeller-type impeller draws water inside the aerator and initiates tremendous centrifugal force. The water is passed, under high pressure, through slots on the aerator which stand above the water line. Sheets of water are sandwiched with open air – the air is sucked between the sheets – the oxygen is added and the obnoxious gases eliminated. The newly aerated surface water is distributed in a continuous circulation process. In freezing weather, the aerator acts to keep an open water area which in turn enables nature's own process to also function.

If you have a challenge with any body of water, the best solution may be the simplest. Fresh-Flo Aerators will put – and keep – new life in ponds, raceways, rearing habitats, basins and lakes.



## *Patented\* Fresh-flo process...*

**WATER DRAWN UP INSIDE TUBE IS FORCED OUT THROUGH UNIQUE SLOTS – THIS FACILITATES FORCED MIXTURE OF AIR AND WATER.**

Specially suited, weatherproof electric motor furnishes power for high-speed impeller inside aerator tube – motor operates even under icy conditions in wintertime.

Inside tube, water expulsion fins increase rate of output – help reduce back pressure – help eliminate clogging of outlet slots.

Rod-type intake screen at base of tube protects aerator from sticks, leaves and other foreign matter.

\*U.S. Patent No.'s: 3,086,715 and 3,796,414

Our aerators are already used:

- to increase production, reduce fish losses, and improve growth rate by fish farmers
- to keep fish alive during shipments by fish hatcheries
- to keep water open and prevent winter-kill in private lakes and ponds, industrial and commercial ponds, and on golf courses
- to keep feeding areas open on waterfowl and hunting preserves





# 12-VOLT MODEL TT

## *For fish transport*

For use in fresh or salt water.

Truck unit gives positive aeration for tanks with 100 to 400 gallon capacity . . . can be placed between two compartments to aerate both. Unit operates from truck's electrical system. Truck unit operates from 12-volt battery. Can be ordered with various length tubes featuring protective bottom screen.

### SPECIFICATIONS

MODEL	TT	DT
<b>Pump Capacity</b>		
Gallons/Minute	75	115
Gallons/Hour	4,500	6,900
<b>Motor Type</b>	DC	AC 1/6 Hp
<b>Voltage</b>	12	115/230
<b>Weights</b> (US pounds)		
Net Weight	17	30
Shipping Weight	20	35
<b>Dimensions</b> (US inches)		
Overall	27	30
Tube Diameter	4½	4½
Tube Length*	20**	20**

\*Different tube and shaft lengths available to meet special requirements.

\*\* Slots 3" down from top of tube. Slot placement can be engineered on all models to meet special requirements. Consult Fresh-flo for prices on custom orders.



# 1/6 Hp. MODEL DT

## *For raceways, small tanks, and transport*

For use in fresh or salt water.

Lightweight with excellent pump capacity for small ponds and raceways.

Adapts easily for truck use (operating from generator).

Equipped with flange for transport use.

MODEL DT  
50/60 hz  
115/230 volt single phase



Both models, TT and DT, can be used in fresh and salt water. Ask about optional smaller mesh screen for models TT and DT – approx. 1/8.”



# CHOOSE FROM THE MOST COMPLETE LINE OF POND AERATORS AVAILABLE...ANYWHERE!

*1/3, 1/2 and 1 Hp. Model AE, BE, BTE for larger raceways, farm ponds and lakes*

Each has adjustable mounting collar to facilitate pipe installation. Aerator tilts on swivel clamp for easy cleaning.

Steel tubes are powder coated after fabrication to prevent corrosion.

Ideal for winter operation. One 1 Hp. unit will prevent winter kill in lakes up to 30 acres . . . on larger lakes, multiple units can be used.

All aerators are 60 hz, 115/230 volt, single phase.



1/3 Hp.  
MODEL AE  
Capacity: 225 gal./min.



1/2 Hp.  
MODEL BE  
Capacity: 340 gal./min.



1 Hp.  
MODEL BTE  
Capacity: 550 gal./min.

# HELP SAVE YOUR FISH

Since 1958, Fresh-flo aerators have been used to restore adequate oxygen, reduce water temperature, dislodge obnoxious gases, dissolve organic wastes, and prevent freeze-out in large and small bodies of water.

## SPECIFICATIONS

MODEL	AE	BE	BTE
<b>Pump Capacity</b>			
Gallons/Minute	225	340	550
Gallons/Hour	13,500	20,400	33,000
<b>Horsepower</b>			
	1/3	1/2	1
<b>Voltage</b>			
	115/230 AC	115/230 AC	115/230 AC
<b>Weights (US pounds)</b>			
Net Weight	60	75	85
Shipping weight	65	80	90
<b>Dimensions (US inches)</b>			
Overall	41	51	52
Tube Diameter	4½	5½	6
Tube Length (standard)	24	30	30



## SPECIFICATIONS same as above, except:

MODEL	AE-F3	BE-F3	BTE-F3
<b>Weights (US pounds)</b>			
Net Weight	105	120	130
Shipping weight	110	125	135
<b>Dimensions (US inches)</b>			
Tube Length (standard)	24	24	24

*Models AE, BE, BTE also available as*

## FLOATING AERATORS

Special high density polyethylene floats, filled with polyurethane foam, are available for 1/3, 1/2, and 1 Hp. units.

## *Aerators can be easily mounted on pipes*

All our aerators, 1/3 Hp. and larger, come with swivel clamp mounting bracket for easy installation on pipes.



### **TO INSTALL AERATORS**

Drive a 1 1/2" pipe into the pond bottom, allowing about three feet above waterline. Install furnished clamp on pipe, then mount aerator on clamp. The waterline should be one to four inches below lower slot for best operation.

### **ELECTRICAL CONNECTION**

The unit will operate on either 115 or 230 volt single phase motors. Optional three phase 200 volt or 208-230/460 volt motors can be supplied.

Be sure that lead wire from electric outlet to motor is heavy enough to carry the required voltage. The motor should be properly fused to prevent burning out the winding in case of trouble with current.

### **SUMMER OPERATION**

Aerator can be operated continuously or with a time clock. It can also be operated with a thermostat set at the water temperature to stop when the air is warm and start when the air is cool, thereby cooling the water during hot summer weather. This may be desired where there is not much water flow to keep the water cool.

### **WINTER OPERATION**

Operate continuously in below freezing temperatures to prevent low oxygen levels and to protect the aerator from ice damage. When temperatures are above freezing, it is not necessary to operate the aerator continuously all season long.

### **MODEL AE, BE, BTE WIRING INSTRUCTIONS**

- 1) We recommend that an electrician be consulted when unfamiliar with electric power use.
- 2) Be sure to use the proper type wire. We recommend 14-3 or 16-3 gauge type SOW. A wire connector (cord grip) should be used to protect the wire at the outlet box connection.
- 3) Wires have been changed to allow motor to run in the correct direction at the factory.
- 4) Ground wire connects to the screw connector provided. (Green wire if provided by Fresh-flo).
- 5) The two leads that remain should connect to black and white wires.





*A magnificent idea that saves time and makes your job easier.*

# ADJUSTABLE FISH GRADER



Size fish frequently with these easy to adjust graders. No baskets nor racks to juggle and no bars to remove.

Manually move the adjusting arm to change bar widths from 1/4" to 1 1/8" (MAG) or 5/32" to 1 3/8" (Super MAG). 30 or 50 quick-to-switch settings ensure fish have little chance of gill damage when they sort by width though the metal bars.

Portable, sturdy metal design so grader can be carried anywhere. Floats in fresh and salt water.

Prevents fish loss and returns sub-marketable fish back for additional growth. Saves time and allows for grading more often.

## SPECIFICATIONS

MODEL	MAG	Super MAG
Box Size (US inches)	15x17x11 1/2	21x28x16

### Grading Range

Standard	1/4" to 1 1/8" (30 divisions)	5/32" to 1 3/8" (50 divisions)
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Optional	1/8" to 1" (30 divisions)	n/a
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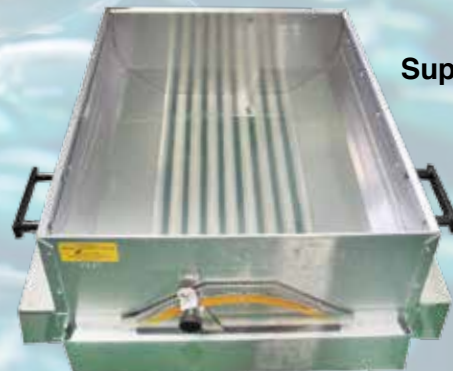
	0" to 9/16" (20 divisions)	n/a
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Weight (US pounds)	17	35
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Flotation	Yes	Yes
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**MAG**



**Super MAG**

# BUG LITE FISH FEEDER

*Catches insects and feeds them to your fish.  
Unique, highly effective Bug Lite Fish Feeder!*

Using a fluorescent light to attract insects, a fan at the back of the unit then pulls the bugs in where blades cripple or kill them. They are dropped to the surface of the water to become naturally occurring food that fish love!

Insects are a natural source of protein for fish. The Bug Lite Fish Feeder helps to keep this food source available for your fish.

Easy to install on a pole in almost any body of water. Operates on household current (110 volt).

*You Stun'em, Fish Lov'em*

#### LIMITED GUARANTY

All Fresh-Flo products are guaranteed by Fresh-Flo Corp. for a period of one year from the date of purchase. Fresh-Flo Corp. reserves the right to change the specifications at any time without notice.



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