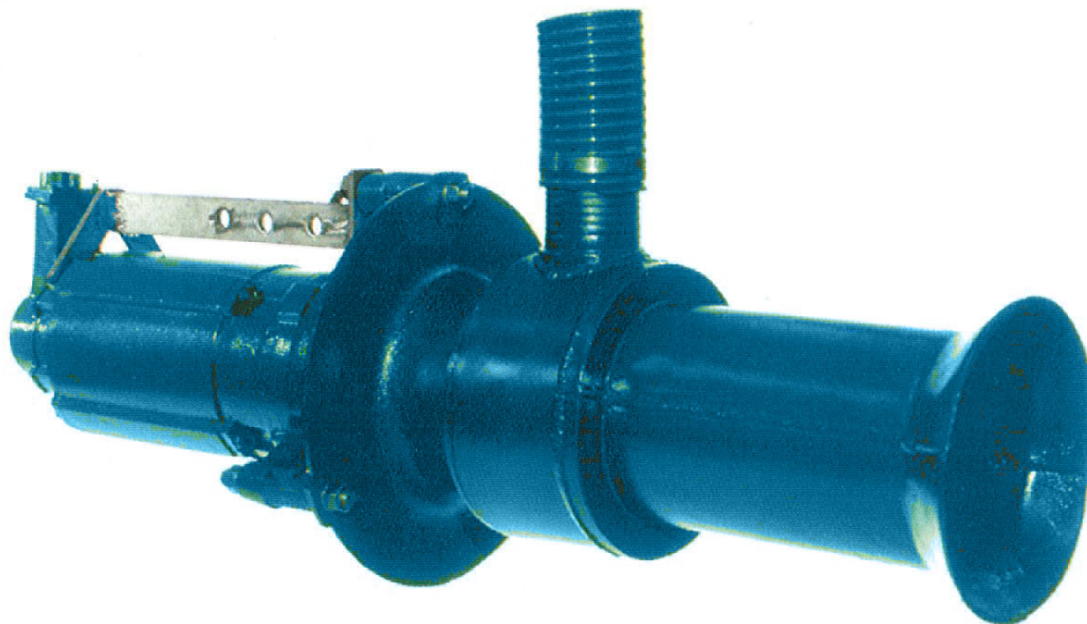


# **ENTERPRISE® II**



**SUBMERSIBLE  
ASPIRATING  
MIXERS**

**FLOATING AND  
MAST MOUNTED**

**AIR--LATOR®**

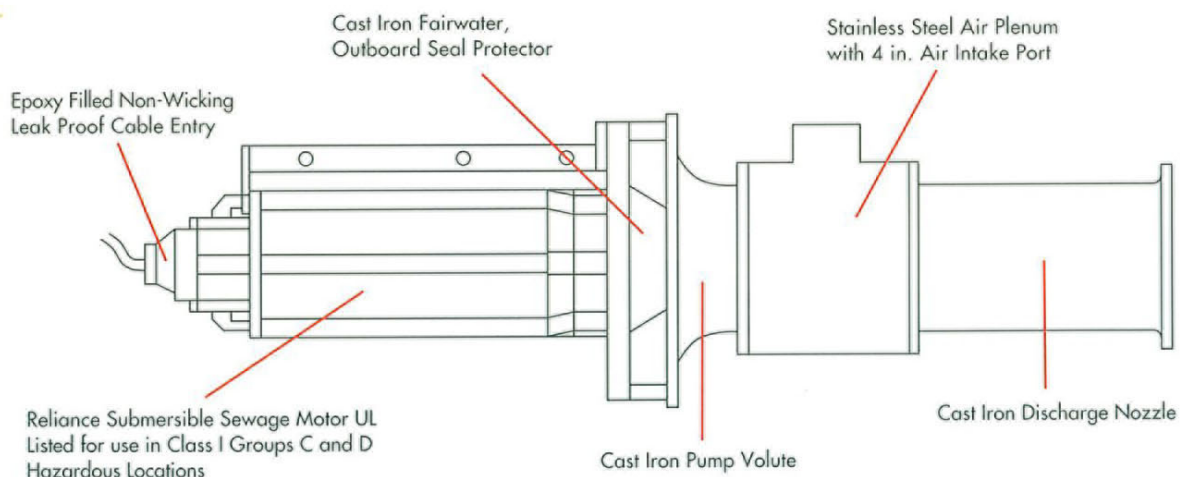
8100-04 Paseo

Kansas City, Missouri 64131



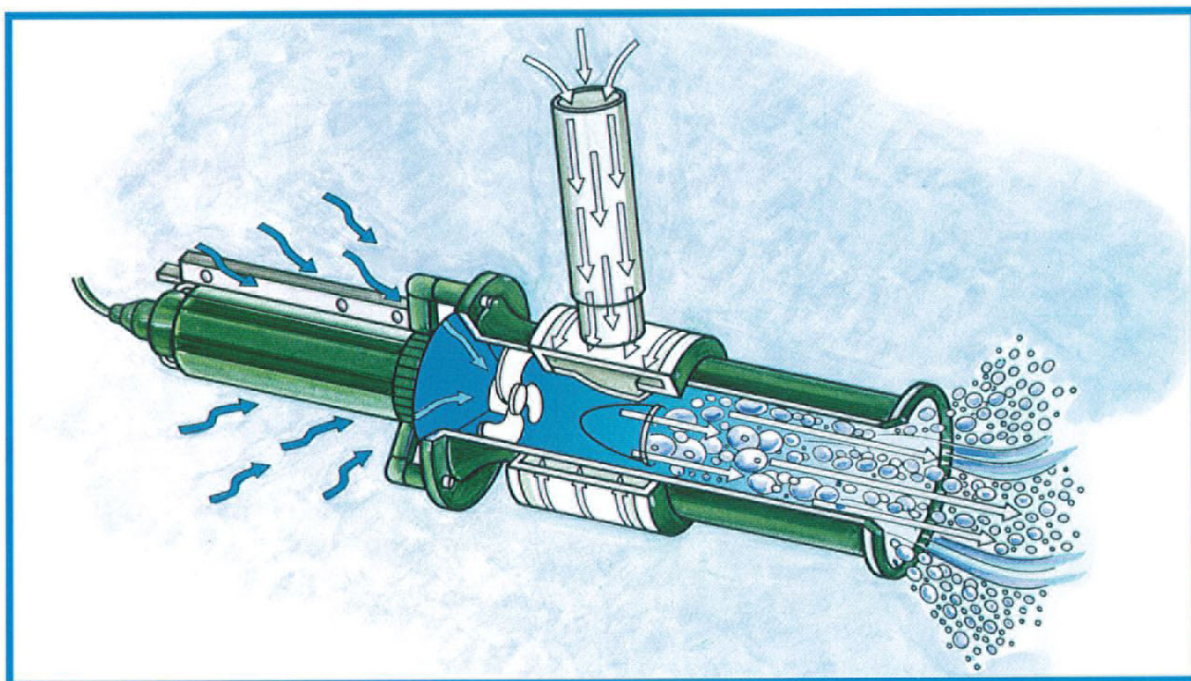
## At a glance . . .

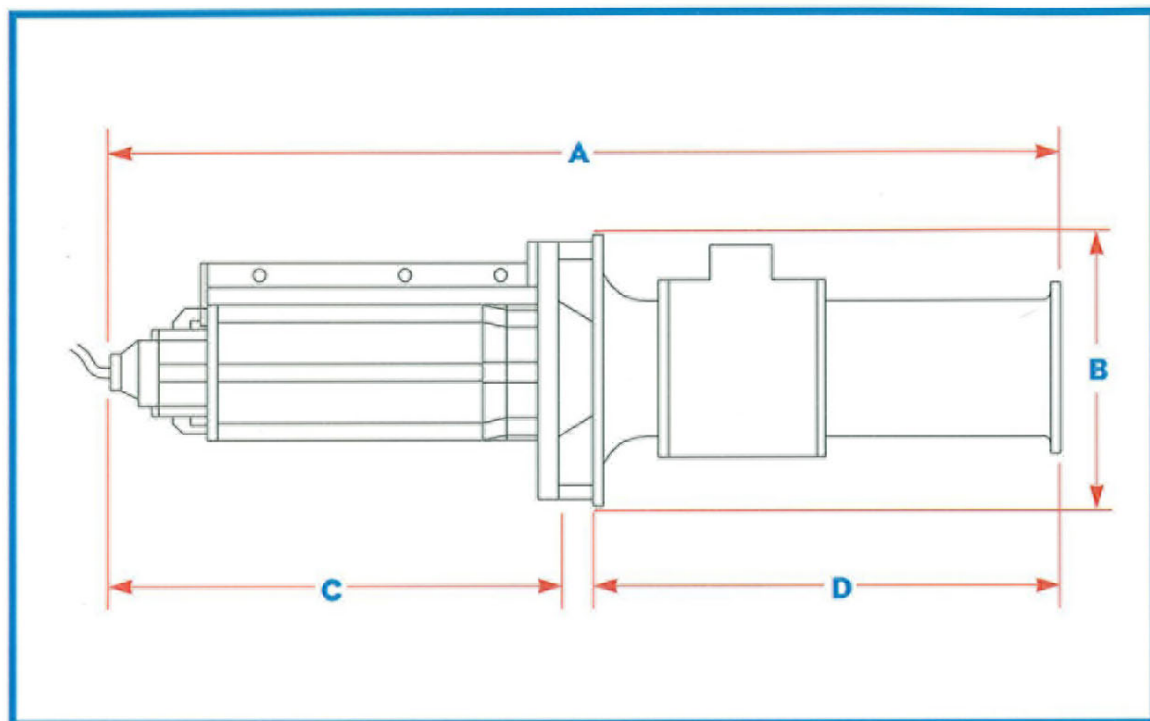
**Air-O-Lator Corporation** has studied the technology of aerating and mixing since 1961. The blending of air with water is as important as the addition of air to water. Without proper blending and mixing air can immediately escape into the atmosphere. Air-O-Lator believes nothing blends and mixes water like a propeller and that is why we incorporate the propeller design into all of our aerators and mixers.



## How it works . . .

**The Enterprise II Aspirating Mixer** is an axial flow propeller pump that operates in a scientifically designed pump volute. A high volume of water is pumped past the four patented multi-purpose vanes, which more than doubles the velocity of the propelled fluid. The vanes also act as flow straighteners and are open on the low pressure side. Air is drawn into the air plenum and from there into the liquid stream. The air and liquid converge in the nozzle chamber. The intimate turbulent contact creates an emulsion of oxygen charged liquid which is discharged into the main body of water.





### DIMENSIONAL DATA

MODEL	HP	FRAME	A	B	C	D	PROP SIZE	UNIT WEIGHT
ER-30	3	140TY	57	19	26	29	8 X 4-7/8	370#
ER-50	5	180TY	57	19	26	29	8 X 7-1/2	450#
ER-75	7.5	180TY	57	19	26	29	8 X 9 3/4	450#

**Mast Mounted:** 4 in. sq. Stainless Steel Tube 10 lbs per ft.

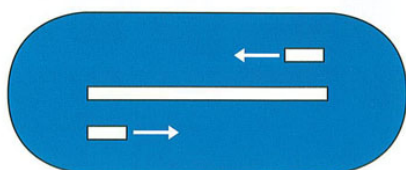
**Float Assy:** 10' x 5' Stainless Steel Pontoon 200 lbs unit wt.

### PERFORMANCE DATA

MODEL	HP	RPM	KW	PUMPING RATE (GPM)	AIR FLOW (CFM)	THRUST (LBS)	INDUCED FLOW (MG/HR)
ER-30	3	1800	3.9	1800	40	130	3.0
ER-50	5	1800	5.7	3400	65	200	4.5
ER-75	7.5	1800	7.7	3800	70	300	6.0

**Note:** Air flow is measured at 4 feet of depth in clean water.

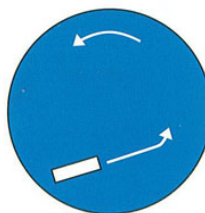
#### OXIDATION DITCHES



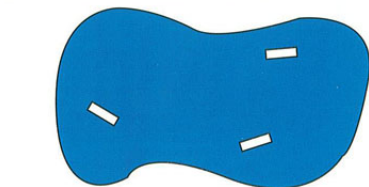
- Operating Depths: 3 to 16 ft.
- Mounting: Mast Mounting or Floating
- No mechanical icing problems as with brush aerators
- Simple installation
- Water depth variations allowed in feet not inches, preventing hydraulic surges.

#### AEROBIC SLUDGE STORAGE

- Operating Depths: 3 to 30 ft.
- Mounting: Mast Mounting or Floating
- Superior mixing over diffused aeration
- Actual horizontal flow over non submersible aerators
- Lower installation cost
- Lower power requirements



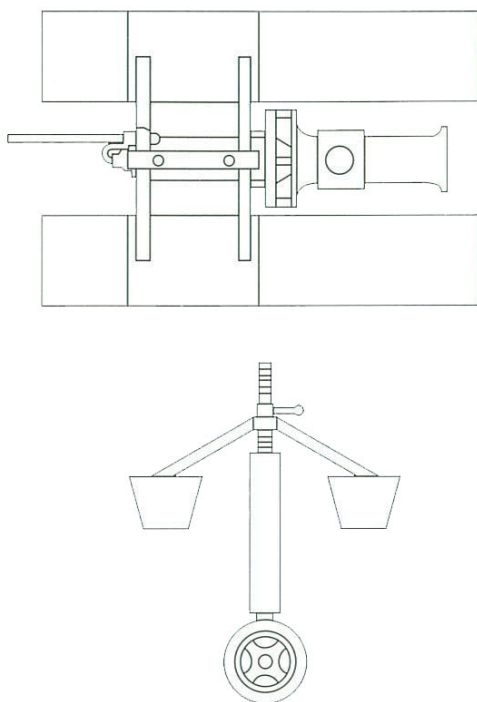
#### FACULTATIVE LAGOON



- Operating Depths: 3 to 16 ft.
- Mounting: Floating
- Actual horizontal flow over non submersible aerators
- No mechanical icing problems as with non submersible motors
- Superior stability



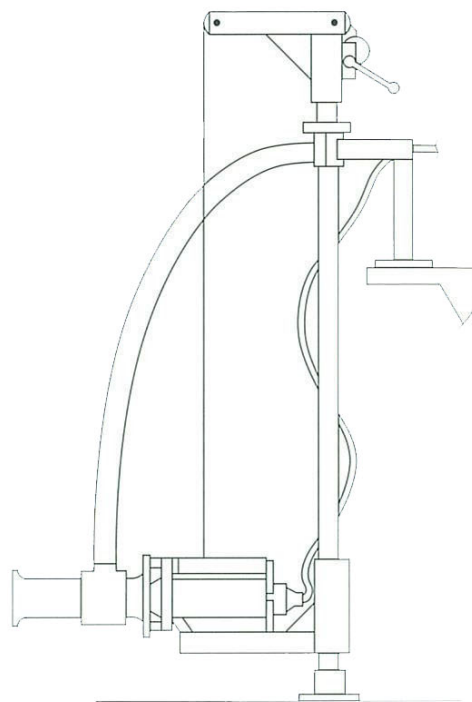
## Floating



### FLOATING

For ponds, lakes, lagoons, ditches and where water levels may continually vary. This method of installation utilizes polystyrene foam filled stainless steel pontoons. The Enterprise II can be easily raised or lowered to a maximum depth of 5' (five feet). The unit can also be set at various angles.

## Mast Mounted



### MAST MOUNTED

For installation in concrete or steel tank basins, this method of installation incorporates a stainless steel fixed mounted guide rail. With the dual purpose upper mast support and rotational base plate, the Enterprise II can be rotated and set at any angle. The jib boom, supplied with a manual marine type winch, allows the unit to be raised or lowered for variable depth operation and easily removed for required inspection or service.

## FEATURES

- 1) Directional Flow
- 2) Acutal Horizontal Flow
- 3) No Mechanical Icing Problems
- 4) 4" Diameter Air Intake
- 5) Submersible Baldor Motors
- 6) Blower Adaptability for Additional Air Flow
- 7) 8" Diameter Propellers
- 8) 95% of Unit Weight Below Surface Insuring Stability

# AIR-OLATOR<sup>®</sup>

8100-04 Paseo • Kansas City, MO 64131 • U.S.A.  
(800) 821-3177 • (816) 363-4242 • Fax (816) 363-2322  
www.airolator.com • email: sales@airolator.com FORM NO. DA0513