

Introducing a Revolutionary New Turbine Aerator for Wastewater Treatment

- Requires no maintenance.
- Has no internal moving parts.
- Will not clog with most debris.
- Aerates by thrusting air into water and not water into air.
- Can outperform other aerators which have up to seven times the horsepower.
- Boasts long retention time of dissolved oxygen in the water.
- Uses as little as a 3-horsepower industrial grade motor.
- Employs foam-filled, UV-resistant, polyethylene pontoons guaranteed not to sink.
- Never needs to be "greased".
- Designed to run 24/7.
- Made of corrosion-resistant materials.
- Operates at a very low noise level.
- Requires much less electricity than other aerators.



Turbine Aerator Specifications

Industrial Grade Motor: (208/240/480V, 3 Phase)

TECO Westinghouse or WEG 3 HP, 1200 RPM motor operating at 208/240/480 Volts, 3 Phase, 60 Hz

Motor housing is cold-rolled steel.

Vertical operating motor with "C" flange mounting.

Rain cap mounted on top of motor.

Two-part epoxy paint, marine grade.

Power cable shall be SOOW, underwater rated, UV protected.



Drive/Air Shaft:

1 ½-inch O.D. X 3.5 feet long, 316 stainless steel air shaft, ¼-inch wall thickness.

Machined to couple directly onto the motor shaft with supplied set screws.

Machined to couple to the turbine using supplied pin.

Turbine

8-inch diameter. Made of high density fiberglass resin. Has a mounting hub, supplied with SS screws, designed to couple onto the air/drive shaft using supplied pin.

Stainless steel bottom plate, fastened to hub with supplied SS screw & neoprene washer.

Pontoons:

Polyethylene shell, foam filled, and UV protected.

Two 1"x 1" stainless steel square tubing for reinforcement under the motor deck.

Stainless steel fasteners and 4 eye bolts for tethering.

Options:

Nema 4X rated control box w/ motor starter, over-load protection, through-the-door on/off switch. The optional electrical control panel must be installed per instructions and National Electrical Code.

Low water legs, to protect the turbine from hitting bottom due to fluctuating water levels.

Air shaft sleeve, used when there is a possibility of rags, strings, rope, etc., that could wrap around the rotating air shaft.

3/16-inch stainless steel guy wire to anchor the system to the bank.

Wire clamps and quick connectors. (See installation instructions.)