

# DO<sub>2</sub>E FLOATING VERTICAL MIXER

## HIGH VOLUME VERTICAL MIXER FOR MUNICIPAL & INDUSTRIAL WASTEWATER APPLICATIONS

The super-efficient Vertical Floating Mixer, developed by the DO<sub>2</sub>E engineering team, is specifically designed for small ponds, lagoons, and basins, and is similar to its big brother the DO<sub>2</sub>E Floating Aerator. Featuring low pressure, hi-volume air delivered through a weather-resistant hose from a land based regenerative blower without belts, oil, or couplings, again, means exceptionally reduced maintenance. Only periodic air filter maintenance is required.

The Vertical Floating Mixer unit uses a float system to stay suspended 8 to 10 inches below the surface. Air released at a fixed depth from specially designed diffusers facilitates efficiently transferred oxygen as the bubbles travel up through the manifold. The resulting Venturi effect pulls large volumes of water from depths of over 15 feet effectively mixing and de-stratifying the water column.

The DO<sub>2</sub>E Vertical Floating Mixer is an excellent choice for extreme cold weather applications and can be modified for use in the harshest conditions in North America.

The DO<sub>2</sub>E Vertical Floating Mixer is made from all-welded construction and long lasting corrosion proof material. Operating on less than 2 PSI of air pressure makes it a very energy efficient mixer.



IDEAL FOR:  
WASTEWATER PLANTS • RETENTION PONDS  
CREEKS & PONDS • LAGOONS & CANALS • MARINAS

## BENEFITS

- 01** Moves up to 3.5 million gallons per day of fluid
- 02** De-stratifies water columns
- 03** Increases dissolved oxygen levels
- 04** Oxidizes hydrocarbons
- 05** NO moving parts/air driven
- 06** Heavy duty welded PVC components
- 07** Reduces B.O.D. & C.O.D.
- 08** Portable & Installs in about 5 minutes
- 09** Extremely low operational costs
- 10** Eliminates high cost surface aerators & mixers
- 11** Operates in shallow water depths (42")
- 12** Reduces energy costs by up to 80%
- 13** Reduces maintenance costs by up to 85%
- 14** Compatible with our A.O.P. system for odor control, & disinfection applications.
- 15** Reduces mosquito breeding



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