Floating Brush Aerators

Effective and Efficient Wastewater Treatment through Superior Oxygen Transfer and Mixing Rates
Floating Brush Aerators
Create an oxygen cap across the entire surface area of the pond, which eliminates odor and enhances BOD reduction.

Performance
- Average SAE of 3.0 lbs. O₂/hp/hr
- Average flow rates over 3,600 gpm/hp
- Unique horizontal flow pattern distributes highly oxygenated water while bringing in oxygen depleted water in a short cycle

Multiple Pond Applications
- Partial mix or complete mix
- Earth or lined ponds
- Shallow or deep ponds
- High solids ponds
  (Bio-storage, Sludge, Aerobic Digesters)

Multiple Tank Applications
- Oxidation Ditches
- SBR’s
- Equalization Basins
- Square, Rectangular, or Round tanks
Unique Capabilities

- Aerators can completely mix 10’ deep ponds
- Aerators can be used to partially mix shallow ponds
- Reduce overall horsepower usage based on high oxygen transfer and flow rates
- Aerators can be cable anchored, levee anchored, or anchored with bollards
- Aerators can be equipped with splash shields & rotor covers to reduce aerosol sprays
- Aerators can be customized for ponds or tanks, and used in municipal and industrial wastewater applications
- Aerator operates at lower noise levels compared to conventional aerators & mixers

Reliability

- Powder coated mild steel or stainless steel provides durability in a variety of wastewater applications
- Simple and easy maintenance
- Satisfied customers (reference list available)
- Process guarantees are available

Before
Bolted on star blades
Exposed V-belt drive

After
Welded brushes
Enclosed and sealed direct-drive
Aerator pivots to fluctuating water levels
ECS House Industries Floating Brush Aerators outperform all other Floating Brush Aerators on the market due to value added engineering and design.

- Only Floating Brush Aerator with a corrosion resistant, sealed drive-train enclosure.
- The only Floating Brush Aerator built with heavy enough materials to last 15-20 years.
- Custom retrofits for multiple wastewater applications are available.
- Engineered and designed for predictable and easy routine maintenance.
- ECS House Industries, Inc. provides the best customer service and support with Service Technicians that have over 75 years combined field service experience.

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