

Wastewater • Lakes / Raw Water Reservoirs • Stormwater • Industrial

- AP500 version is designed for wet wells, lift stations and industrial tanks / basins.
- AP2000, AP4000 and AP7000 versions are designed for use in lakes, stormwater ponds, wastewater ponds, activated sludge basins, industrial tanks / basins.
- AP8000 version is designed for use in activated sludge aeration basins and anoxic basins.
- Customer can use their own air source or an optional air unit.

GridBee® AP Series

Air-Powered Mixers



AP7000F

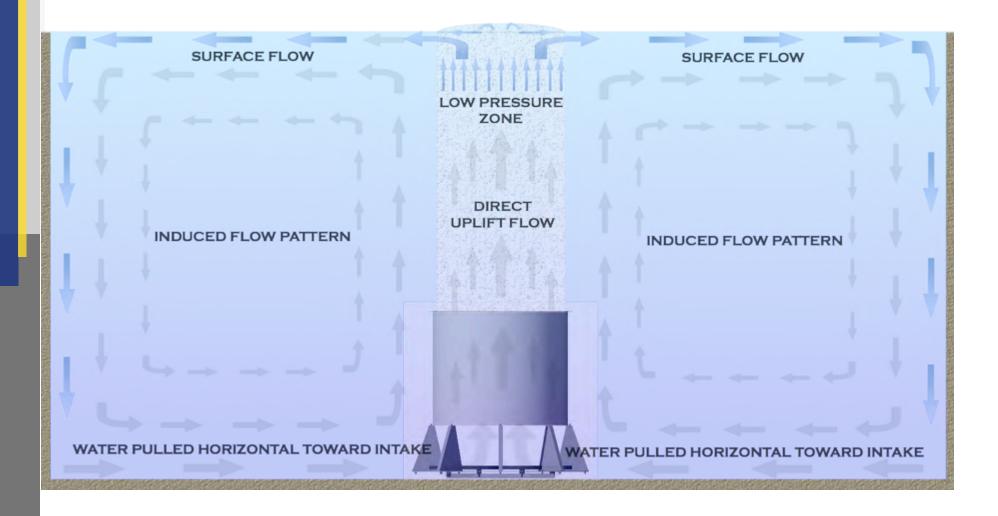
Same patented intake design as floating SolarBee and Gridbee machine, but air-lift not impeller driven. Clog free design for better solids handling, and no moving parts in the water,

Pedestal Version



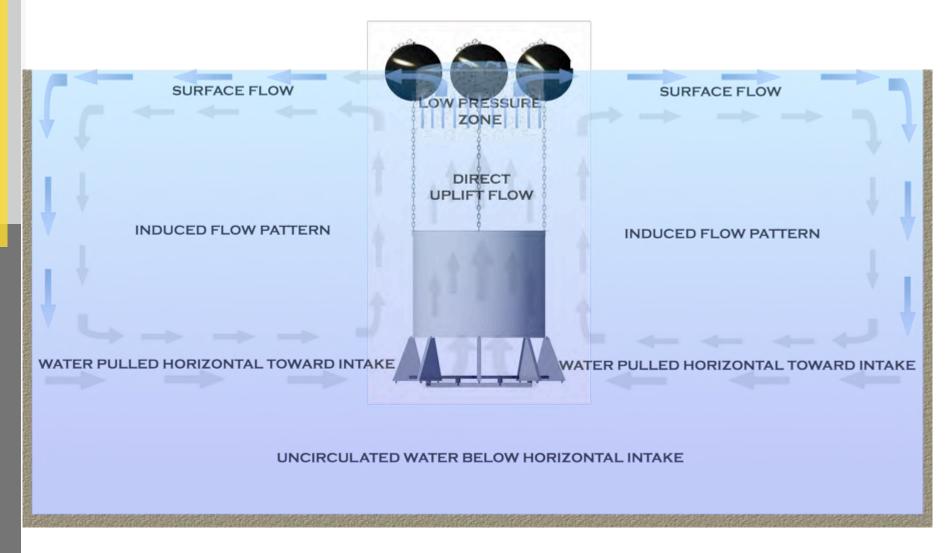
GridBee® AP Series

Pedestal Mixer Flow Pattern



GridBee® AP Series

Floating Mixer Flow Pattern





Customer Installation Photos





Customer Installation Photos





Customer Installation Photos



After – Replaced (3) 75hp air units with (2) 25hp air units

Grid Bee Air-Powered Mixers / Circulators AP7000F Floating Style Mixer in basin, recently started



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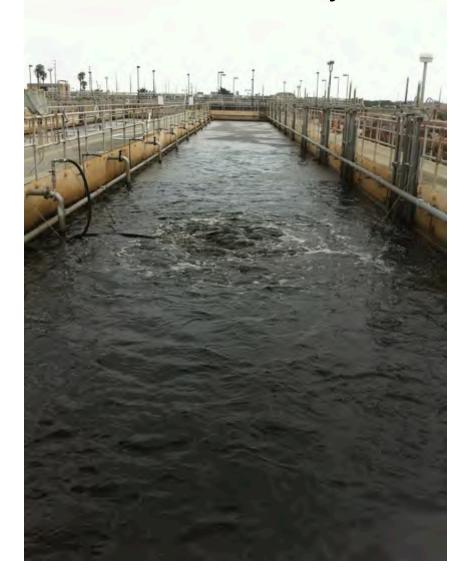
Grid Bee Air-Powered Mixers / Circulators

AP7000F Floating Style Mixer in basin, after 2 days



Grid Bee Air-Powered Mixers / Circulators

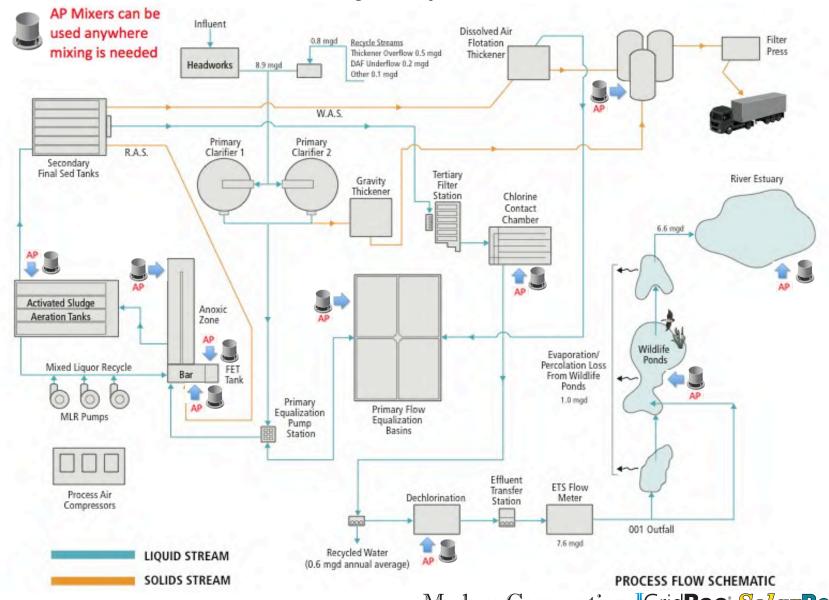
AP8000P Pedestal Style Mixer in 1/2 of aeration basin



Customer has installed AP8000P mixers in the back end of four parallel aeration basins and they turned off approx. 50% of the bottom diffusers (90 diffusers per basin) to start the denitrification process sooner. The AP8000P mixers are using approx. 3hp of air per basin versus the 50hp of air per basin to maintain mixing in the back half of the basin. They were able to reduce their Nitrates from around 10 to 6 mg/l.

GridBee AP Series Air-Powered Mixers

Activated Sludge Project



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No moving parts in the water - no bearings, no mechanical seals, no submersible motors, no gearboxes.

Non-clog design, unit is designed to let solids / rags pass through without clogging, no rotating impeller / propeller.

No electricity in the water, only an air line to the unit, top lift hook allows for easy installation in the basin.

Pedestal version or Floating version pulls fluids / slurry / TSS horizontally at a desired depth and discharges at the surface. 360 degree all directional flow.

Can move a wide range of fluids. If the fluid can flow to the unit, the unit can pump it to the surface.

Can be used to mix any type of basin (anoxic, aeration, etc.), tank or small pond and, used for odor capping sludge storage basins, anaerobic ponds, etc.

The mixers provide long distance energy efficient mixing plus add air.

Due to ease of installation, the unit(s) can be used as a portable backup mixer for different depth basins. Every plant should have at least one as a backup.

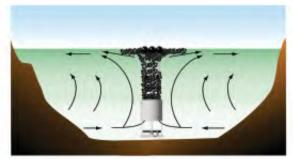
GridBee® AP500 Air-Powered Mixer

(includes mixer, air unit, and accessories)

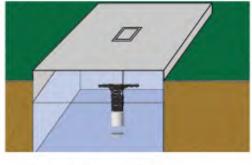


The AP500 air-powered mixer, the smallest mixer in the AP Series features a non-clog design with no moving parts and no electricity in the water, it is portable, compact, and lightweight, and easy to install.

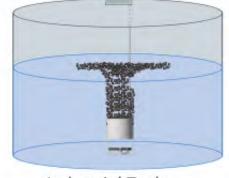




Air Unit



Wet Wells and Lift Stations



Industrial Tanks

Basins and Ponds

AP500 Air-Powered Mixer System





Applications:

- Wet wells / lift stations reduce grease buildup, H2S odor /corrosion and, prevent wipe clogging
- Tanks municipal and industrial tanks; mix most types of liquids
- Standby mixer can be used as backup wherever you need it

Features:

- Can be suspended from a chain or set on the bottom of a tank
- Constructed of 316SS and polymer materials

Grid Bee AP500 Air-Powered Mixer System

Before startup of AP500 in Wet Well

After startup of AP500 in Wet Well





"This is our first AP500 installation. In 6 hours it has almost completely removed a foot thick scum layer. When we attempted to lower the unit through the scum, it wouldn't go through. It rested on top. The only way to get it down was to turn it on and let it work itself down. We are impressed."

Grid Bee AP500 Air-Powered Mixer System

Installation Before & After Photos

Before Startup of AP500 Mixer

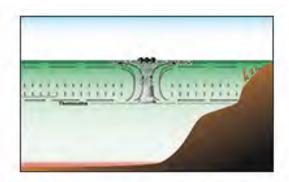


24Hrs after Startup of AP500 Mixer

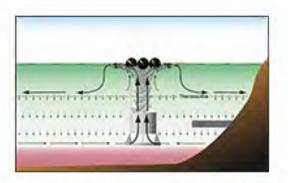


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GridBee Air-Powered Mixers and Circulators



Epilimnetic Circulation for Algae Control In Lakes



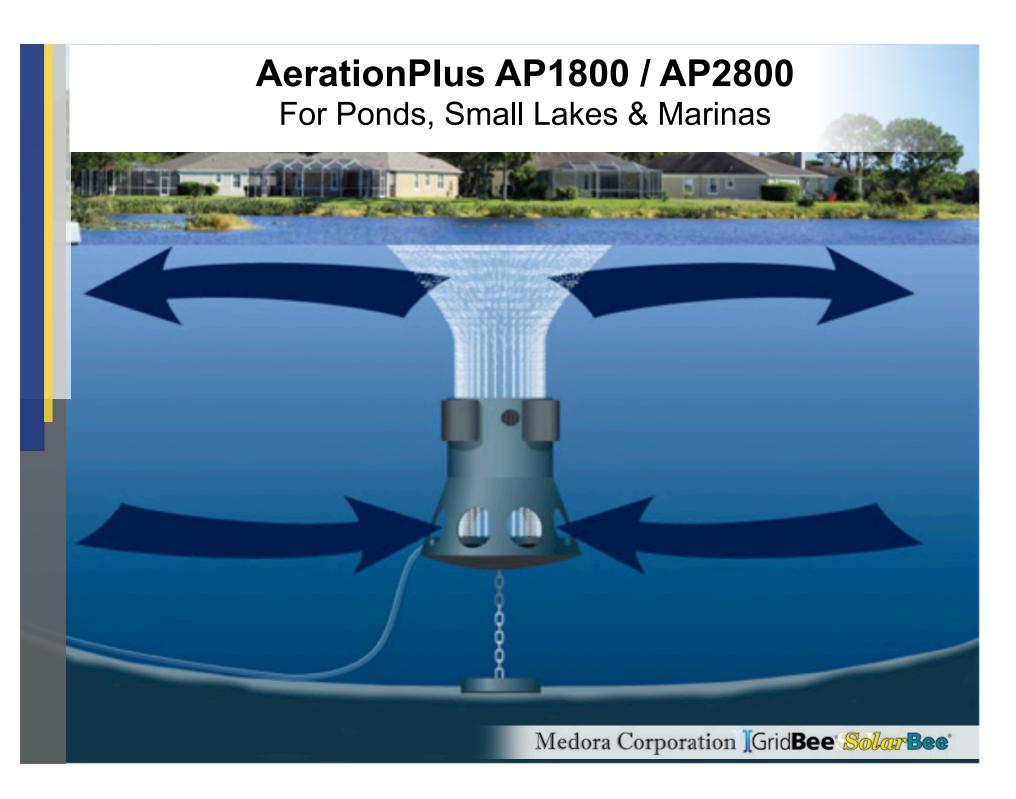
Hypolimnetic Circulation for Iron and Manganese Control In Lakes

Lakes, Raw Water Reservoirs, and Estuaries

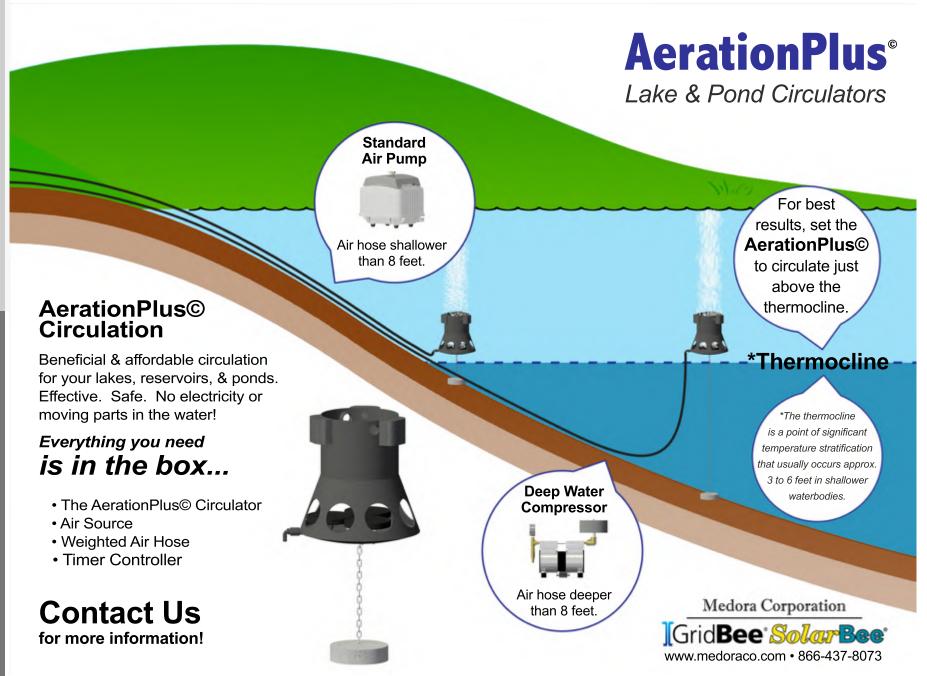
- Can be deployed for blue-green algae (BGA) control or hypolimnetic oxygenation
- · Low-profile; easily disguised with artificial plants or rocks
- Small footprint (6 feet diameter or less) reduces boating interference
- No electricity in water for swimmers; safer for humans and pets
- Easy to mount on the end of docks
- Excellent for de-icing marinas

Stormwater

- Thorough mixing provides increased detention and improved nutrient reduction
- · Effective control of blue-green algae and odors
- No electricity in the water; safer for humans and pets
- Low lifecycle cost when compared to fountains



Aeration Plus AP1800 / AP2800 Circulation Systems



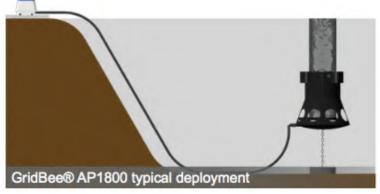
AerationPlus AP1800 / AP2800 Systems

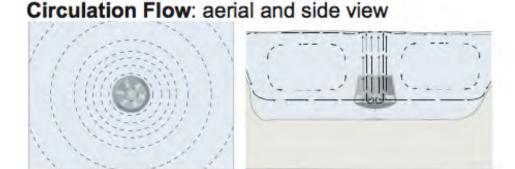


For Ponds, Small Lakes & Marinas AerationPlus air powered submersible circulation systems provide a cost effective solution for improving water quality, aesthetics, and biodiversity.

AP1800 / AP2800 Circulation Systems:

Include air-powered circulator, air unit, air hose, timer, anchor and SS chain. The system is easy to install and maintain. The mixing unit is not visible from the surface, but the impact is visible.





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AerationPlus Air-Powered Mixers / Circulators

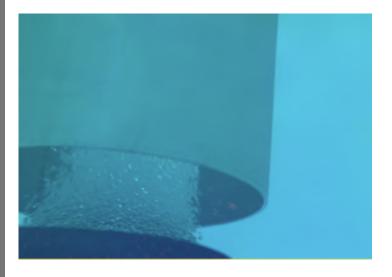


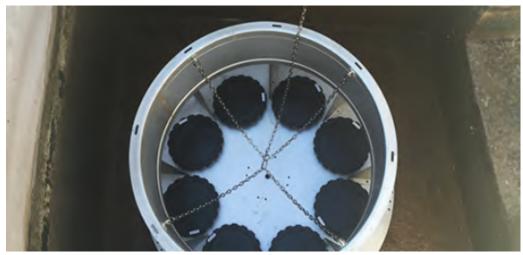
GridBee Air-Powered Mixers

Ask for our Budget Estimates

Videos and more information available at:

https://www.medoraco.com/video





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