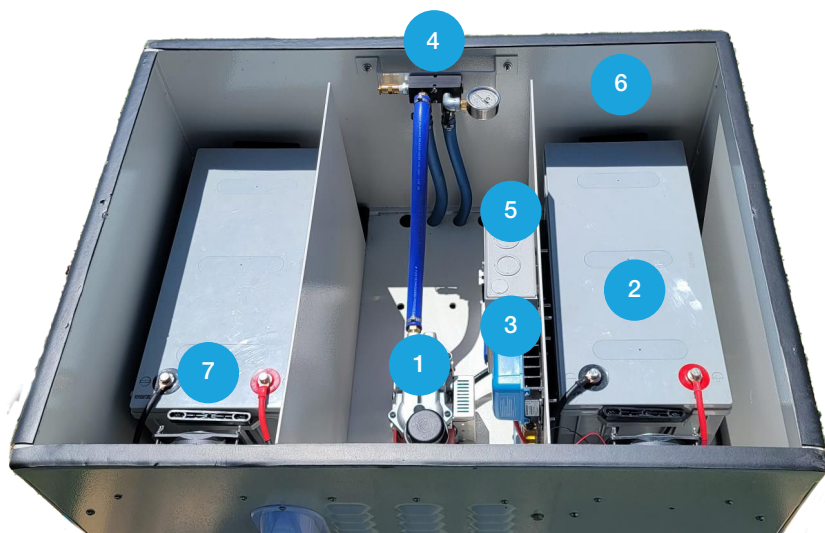


AquaElite™ **HeliosAir**

Solar Aerator with Battery Back Up



HeliosAir at a Glance



- 1. 24v DC Rocking Piston Compressor
- 2. (2) 200Ah AGM Batteries
- 3. Bluetooth Enabled Solar Controller
- 4. Valve Manifold/PRV/Pressure Gauge
- 5. Panel Box
- 6. Lockable Powder Coated Aluminum Cabinet
- 7. (2) 4" Cooling Fans

How it Works

AquaElite HeliosAir offers a revolutionary solar aeration system with battery back up. Using the power of the sun, this system will provide aeration for ponds up to 2.5 acres for up to 20hrs/day. HeliosAir provides the highest CFM on the market and is a turnkey system - only concrete is needed to set the vertical post!

The shore mounted rocking piston compressor produces compressed air from a weighted airline through a membrane diffuser located on the bottom of the pond. The compressed air is released into the water through the membrane diffuser releasing thousands of fine bubbles which rise to the surface. As the bubbles of air rise, oxygen is transferred into the water. Simultaneously, water is pulled upward, creating a flow of water from the bottom of the pond to the surface.

Advantages

- System can be installed in rural environments where power is not available
- Aeration throughout the night
- In many cases, this system could be much more affordable than running power to the pond and has significantly lower operating cost.
- Lower maintenance and service costs due to no moving parts in the water
- Safer swimming as the HeliosAir system does not require electricity to be in the pond.
- Eliminates thermal stratification, making it ideal for deep-water applications up to 20ft depth
- Improves water quality and clarity
- Off-grid = No additional monthly utility costs!



Performance Data

System Components	HeliosAir (Base)
Item #	Helios BBT
Recommended Pond Size	Up to 2.5 acres
24v DC Solar Compressor	1
CFM @ 5PSI	2.2
Powder Coated Aluminum Cabinet	1
Cooling Fans with Guards	2
# of Valves	Up to 4
# of 200 Ah Deep Cycle Batteries	2
Bluetooth Solar Controller	1
Solar Panels	2 - 60 BiFacial Monocrystalline
Solar Panel Racking Included	Yes
Included Vertical Mounting Pole	3" x 7ft
Pressure Relief Valve	1
Rolls of 100' Weighted Airline - 1/2"	Custom
Rolls of 500' Weighted Airline - 1/2"	Custom
Single Disc Diffusers	Custom
Double Disc Diffusers	Custom
Maximum Diffuser Depth	20'
Maximum Airline Length	2000ft
Cabinet Dimensions (Including Equipment Pad)	36"x 36" x 22"
Solar Panel Dimensions	78½ (H) x 65 (W)

Key Features

- 2 high output Bifacial solar panels with easy install racking system—over 700 watts!
- 2 deep cycle AGM 200 Ah batteries
- Bluetooth enabled solar controller
- Quiet Quantum™ 24v brushless piston compressor
- 2.2 CFM output at 5 psi
- 2 high output fans on every system for optimal cooling
- Powder coated aluminum cabinet with secure locking system
- OWS Optimal Air™ self-cleaning rubber membrane diffusers with weighted base
- Aerates up to 20' deep



System Maintenance & Warranty

System Warranty

- 3 year compressor (Does not include wear items)
- 2 year MaxEnergy Controller
- 5 year Diffuser/Base and Airline
- 15 year Solar Panels
- Lifetime against rust on cabinet

System Maintenance

- Replace filter(s) every 6 months
- Install compressor maintenance kit(s) every 2-3 years

HeliosAir Accessories

Weighted Airline

ARL0033 - 100' of 1/2" Weighted Airline

ARL0073 - 500' of 1/2" Weighted Airline

ARL0303 - 100' of 5/8" Weighted Airline

ARL0304 - 500' of 5/8" Weighted Airline



Diffusers

ARS0390 - Single round rubber membrane diffuser with self sinking base, 3/8", 1/2", & 5/8" barb fitting



ARS0391 - Double round rubber membrane diffuser with self sinking base, 3/8", 1/2", & 5/8" barb fitting



ARS0458 Quad round rubber membrane diffuser with self sinking base, 5/8" barb fitting

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