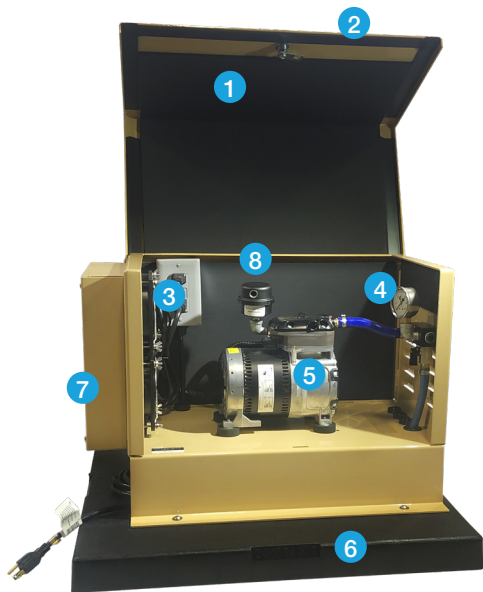


AquaElite™ Atmos

Bottom Diffused Aeration Systems



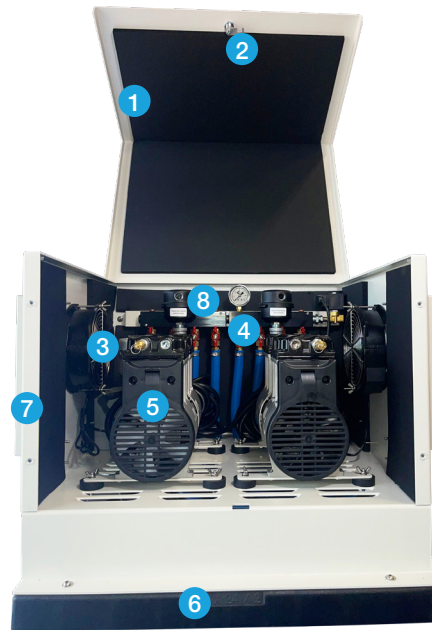
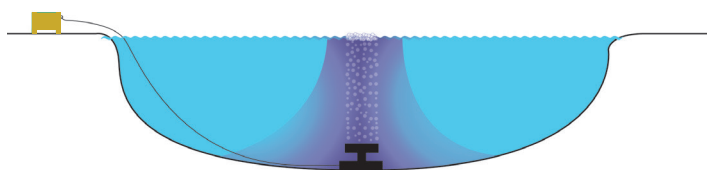
Atmos at a Glance



- 1. Sound Dampening Foam
- 2. Powder Coated Aluminum Lockable Cabinet
- 3. (2) Circulating Fans
- 4. Valve Manifold & Pressure Gauge

How it Works

The shore mounted rocking piston compressor produces compressed air through weighted airline to 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, as bubbles rise, water is pulled upward, creating a flow of water from the bottom of the pond to the surface.



- 5. Rocking Piston Compressor
- 6. Equipment Pad
- 7. Fan Cover
- 8. Filter

Advantages

- Electricity required at the water's edge. Your compressor needs electricity, but the compressor can be located wherever you desire
- No floating object on the water surface enabling you to go boating or fishing
- Lower maintenance and service costs due to no moving parts in the water
- Safer swimming. The Atmos Bottom Diffused Aeration system does not require electricity to be in the pond
- Eliminates thermal stratification, making it ideal for deep-water applications
- Improves water quality and clarity
- Low operating cost

Quad Cabinet for Large Lakes



Our newest Atmos addition is our quad cabinet.

Key features include:

- Choice of 3 or 4 compressors in 1/2 hp, 3/4 hp or 1 hp with output from 17.2 to 28.8 CFM
- (4) large 6" fans for optimal cooling and air flow
- Valve manifolds from 6 to 16 individual airlines
- Systems customized with remote manifolds if needed
- Lockable cabinet
- Heavy gauge aluminum cabinet offers quiet operation with lifetime warranty against rust
- Included Solenoid for soft start operation
- Individual valves for each compressor which allows for shutting down one compressor if needed for maintenance without impacting the remaining compressors
- Utilizing high pressure/high flow compressors
- Mounted on a 36" equipment pad

Performance Data

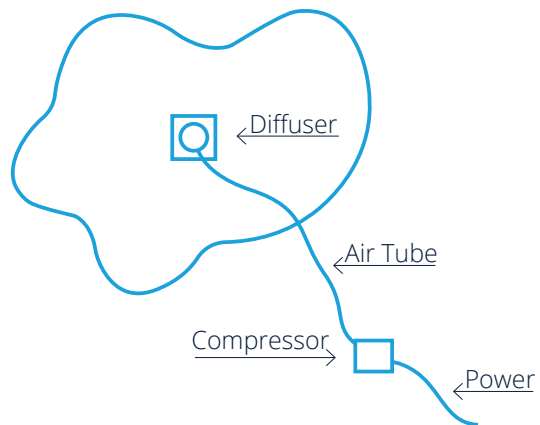
System Name	Part No.	HP	Compressors	Cabinet	Volts	Max Amps	CFM
Atmos .25	Atmos 25	1/4	(1) 1/4 hp	Single	115	3.0	2.2
	Atmos 25-230	1/4	(1) 1/4 hp	Single	230	1.5	2.2
Atmos .50	Atmos 50	1/2	(1) 1/2 hp	Single	115	6.2	4.3
	Atmos 50-230	1/2	(1) 1/2 hp	Single	230	3.1	4.3
Atmos .75	Atmos 75	3/4	(1) 3/4 hp	Single	115	7.9	6.0
	Atmos 75-230	3/4	(1) 3/4 hp	Single	230	4.0	6.0
Atmos 1	Atmos L250	1	(2) 1/2 hp	Medium	115	12.4	8.6
	Atmos L250-230	1	(2) 1/2 hp	Medium	230	6.1	8.6
Atmos 1.5	Atmos L275	1 1/2	(2) 3/4 hp	Medium	115	15.8	12.0
	Atmos L275-230	1 1/2	(2) 3/4 hp	Medium	230	7.9	12.0
Atmos 2.0	Atmos M21-230	2	(2) 1hp	Medium	230	8.2	14.4
Atmos 2.0	Atmos Q450	2	(4) 1/2hp	Quad	230	12.4	17.2
Atmos 3.0	Atmos Q31-230	3	(3) 1hp	Quad	230	12.3	21.6
Atmos 4.0	Atmos Q41-230	4	(4) 1hp	Quad	230	16.4	28.8



Sizing Information

When selecting an Atmos bottom diffused aeration system, consider the shape, surface area, and depth of the pond. The amount of surface area the Atmos bottom diffused aeration system will effectively cover is dependant on the depth and shape of the pond. The area of coverage increases the deeper the diffuser is located in the water.

For example, the Atmos 1/4 horsepower Rocking Piston with a single diffuser, located at a depth of 8', will provide adequate aeration and oxygen dispersion of an area 3/4 acres. if the diffuser is located at a depth of 16', the coverage area increases to 1-1.5 acre.



The shape of a pond also affects the number of diffusers needed. An irregular shape pond, (i.e) kidney shape, rectangular, or one with an island or peninsula, will require multiple diffusers to adequately disperse the oxygen.

System Maintenance & Warranty

System Maintenance

- Replace filter(s) every 6 months
- Install compressor maintenance kit(s) every 18-24 months

System Warranty

- 4 year compressor (Does not include wear items)
- 5 year Diffuser/Base and Airline
- Lifetime against rust on cabinet

Atmos 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



Self-Sinking Diffusers

ARS0390 - Single round rubber 9" rubber membrane diffusers with self sinking base, 3/8", 1/2", & 5/8" barb fitting

ARS0391 - Double round rubber 9" rubber membrane diffusers with self sinking base, 3/8", 1/2", & 5/8" barb fitting

ARS0458 - Quad round rubber 9" rubber membrane diffusers with self sinking base, 5/8" barb fitting



To learn more about our full line of **AquaElite** fountains and products, reach out to a fountain expert today.



Call 866.471.1614 or visit us online at aquaeliteproducts.com.

