

Air-O-Lator® Aquarian™ Floating Aerators

- Standard Franklin 1- and 3-phase motors up to 3 hp
- Control boxes included

These aerators feature a 3450 rpm Franklin submersible motor that is water-cooled, water-lubricated and UL and CSA recognized. There are no seals or bearings to maintain. A foul-resistant propeller pumps the large water column to a computer-designed diffuser where a shearing effect occurs, breaking the column into micro droplets. This increases surface area in contact with the atmosphere, maximizing oxygen exposure.

As droplets return to the main body of water, flow is induced, increasing the effective surface area covered by the aerator. It also cools the water as it's dispersed from the diffuser. This cooler water sinks because it is heavier, displacing warmer water that's trying to rise. With the combined effects of pumpage, induced flow and cooling, pond turnover is continual, preventing stratification down to 12 feet.

Aerators consist of a 36" square polyethylene-molded and polystyrene foam-filled float with motor, diffuser, support tube, and junction box assembly. Junction box assembly features a removable watertight power cord connection and 12/4 power cable (100'L on 1/2- and 1-hp models; 200'L on 2- and 3-hp models—trim to desired length). 1-phase aerators feature a Franklin run/start capacitor control box with GFCI plug; 3-phase aerators include a motor starter in a NEMA 3R enclosure with on/off switch.

Note: 1-year limited warranty is void if cable is extended over maximum length supplied by manufacturer.

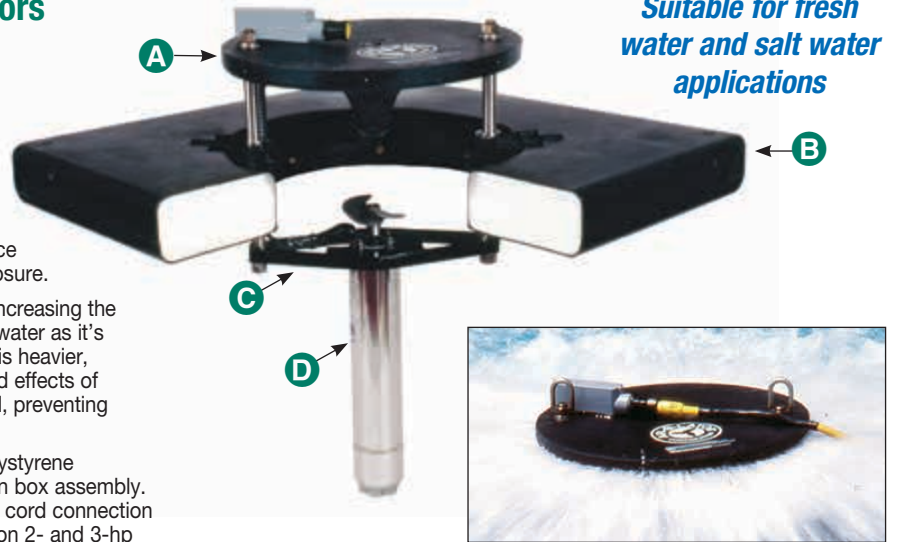
Shipping: 3-hp units and quantities of 2+ of 2-hp units ship motor freight.

HP	VOLTAGE* / PHASE	AMPS	PUMPING RATE (GPM)	PUMPING RATE (GPD)	STOCK #	EACH
1/2	115/1	12	500	720,000	42742	\$
1/2	230/1	6	500	720,000	42743	
3/4	230/3	3.8	500	720,000	301607	
3/4	460/3	1.9	500	720,000	301608	
1	230/1	9.8	1475	2,124,000	42744	
1 1/2	230/3	5.9	1475	2,124,000	301610	
1 1/2	460/3	3	1475	2,124,000	301611	
2	230/1	13.2	1700	2,448,000	42881	
2	230/3	8.1	1700	2,448,000	301612	
2	460/3	4.1	1700	2,448,000	301613	
3	230/1	17	2700	3,888,000	42884	
3	230/3	10.9	2700	3,888,000	42885	
3	460/3	5.5	2700	3,888,000	42886	

Replacement Items

DESCRIPTION	STOCK #	EACH
Glass Filled Nylon Replacement Propeller, 1/2 and 3/4 hp	301638	\$
Glass Filled Nylon Replacement Propeller, 1 and 1 1/2 hp	42887	
Stainless Steel Replacement Propeller, 2 hp	42888	
Stainless Steel Replacement Propeller, 3 hp	42889	

*Alternate voltages available; contact us for details.



Suitable for fresh water and salt water applications

Features include:

- A Diffuser:** for minimum flow resistance while diverting the liquid from vertical to horizontal.
- B Flotation:** 36" sq x 4" thick for super stability; styrene foam filled.
- C Two-Bladed Propeller:** offers trailback blades for foul-resistant operation; hydraulically and dynamically balanced for smooth operation.
- D Franklin Electric SandFighter™ Motor:** water cooled and water lubricated; supplied with silicon carbide mechanical seals for longer motor life. Note: only available on the 2- and 3-hp models.

Sizing

Pond configurations and conditions can vary greatly, affecting any aerator's performance. As a general guideline to turn your pond or lagoon over at least once a day, consider one acre = 43,560 square feet and there are 325,829 gallons in one acre per foot of depth. Select an aerator (one or more) that will move this amount of water per day.

Multiple units may be desirable for more uniform mixing over a wide area. Aquarian standard aeration efficiency (SAE) is 3 lbs of oxygen per hp per hour.

operator notes

Air-O-Lator Submersible Mixers

These heavy-duty mixers are constructed specifically for raw, screened wastewater applications. Separate bearings for the propeller are housed in the fairwater, removing any strain from the motor. All mixers include a 304 stainless steel motor support and mount. The mount fits to a 4" square tube mast (not included, source locally). This allows for raising, lowering and removing the mixer without entering the tank.

Note: Contact USABlueBook Technical Support for any application or mounting questions prior to ordering. You must specify your desired voltage at time of order.

HP	PROP RPM	PUMPING RATE (GPM)	THRUST (LBS)	PROP DIAMETER	WEIGHT (LBS)	STOCK #	EACH
DIRECT-DRIVE MIXERS							
3	1740	2800	130	10"	400	361174	\$
5	1735	4000	200	10"	450	361175	
7.5	1740	4200	300	12"	450	361176	
GEAR-DRIVE MIXERS							
5	300	13,000	200	26"	500	361177	\$
7.5	300	15,000	300	30"	500	361178	
10	430	18,000	400	26"	700	361179	
15	430	21,000	600	30"	700	361180	



Easily mounts to most existing mixer rail systems

Gear-Drive Mixer

See page 1677 for more information.