



SOLAR AERATION SYSTEMS

Benefits of Solar Aeration:

- Improve water quality
- Increase fish and aquatic life
- Enhance water clarity
- Remove bottom sludge
- Improve dissolved oxygen
- Decrease offensive odors
- Solar powered

Solar powered aeration systems are great for remote or off the grid applications. The energy efficient design allows them to be deployed anywhere and provide all of the benefits of a standard aeration system without the need for power. Solar aeration features a sound reduction package making them extremely quiet.

The battery back up enables the system to run at night or during extended periods of poor weather. Designed to operate 20 hours per day and has enough battery capacity to run the system up to three days without any solar input. Systems include solar panels with pole mounting bracket, a specially designed, energy efficient compressor; a high volume cooling fan, a fully adjustable aluminum manifold, diffusers, self weighted tubing and 100% recycled plastic cabinet.



Aerate up to one acre

SPA-1B includes:
Two batteries
One compressor
One diffuser
One solar panel

Description	Part Number
Base Kit	SPA-1B

Order tubing and pad separately:

100' tubing*	L5PVC1
500' tubing*	L5PVCR
Medium pad 30" x 30" x 3"	SPA-MP


*Tubing ships separately

Accessories


Compressor Repair Kit

- Includes replacement diaphragm, reed valves and gasket, one per compressor 
- Part #SPA-CRK

Replacement Filters

- Replacement air intake filter element, two per compressor 
- Part #SPA-AF

Equipment Pads

- Made with high density plastic 
- Provides durable, light weight surface for cabinet
- Medium pad 30" x 30" x 3" thick, part #SPA-MP (designed for use with SPA-1B and SPA-2B)



Aerate up to two acres

SPA-2B includes:
Two batteries
One compressor
Two diffusers
One solar panel

Description	Part Number
Base Kit	SPA-2B

Order tubing and pad separately:

100' tubing*	L5PVC1
500' tubing*	L5PVCR
Medium pad 30" x 30" x 3"	SPA-MP

*Tubing ships separately



Cabinet

- Attractive, 100% recycled plastic
- 20" w x 24" l x 27" t
- One 2-valve adjustable aluminum manifold
- 37cfm cooling blower
- Programmable digital timer
- Sound reduction package
- 1" ASTM certified acoustical foam



Single Compressor

- 24v compressor



Batteries

- Back up for night or extended poor weather
- Capacity 20 hours a day of operation



Solar Panel

- 24v high efficiency
- Top pole mount
- Panel size will vary depending on availability



Aerate up to three acres

SPA-3B includes:
 Four batteries
 Two compressors
 Three diffusers
 Two solar panels

<i>Description</i>	<i>Part Number</i>
Base Kit	SPA-3B
<i>Order tubing and pad separately:</i>	
100' tubing*	L5PVC1
500' tubing*	L5PVCR
Large pad 30" x 42" x 3"	SPA-LP

**Tubing ships separately*



Aerate up to four acres

SPA-4B includes:
 Four batteries
 Two compressors
 Four diffusers
 Two solar panels

<i>Description</i>	<i>Part Number</i>
Base Kit	SPA-4B
<i>Order tubing and pad separately:</i>	
100' tubing*	L5PVC1
500' tubing*	L5PVCR
Large pad 30" x 42" x 3"	SPA-LP


**Tubing ships separately*

Accessories


Compressor Repair Kit

- Includes replacement diaphragm, reed valves and gasket, one per compressor 
- Part #SPA-CRK

Replacement Filters

- Replacement air intake filter element, two per compressor 
- Part #SPA-AF

Equipment Pads

- Made with high density plastic 
- Provides durable, light weight surface for cabinet
- Large pad 30" x 42" x 3" thick, part #SPA-LP (designed for use with SPA-3B and SPA-4B)



Cabinet

- Attractive, 100% recycled plastic
- 20" w x 36" l x 27" t
- Two 2-valve adjustable aluminum manifolds
- 37cfm cooling blower
- Programmable digital timer
- Sound reduction package
- 1" ASTM certified acoustical foam



Double Compressors

- Dual 24v compressors



Batteries

- Back up for night or extended poor weather
- Capacity 20 hours a day of operation



Solar Panels

- 24v high efficiency
- Top pole mount
- Panel size will vary depending on availability

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Inside the SPA-1B and SPA-2B Models



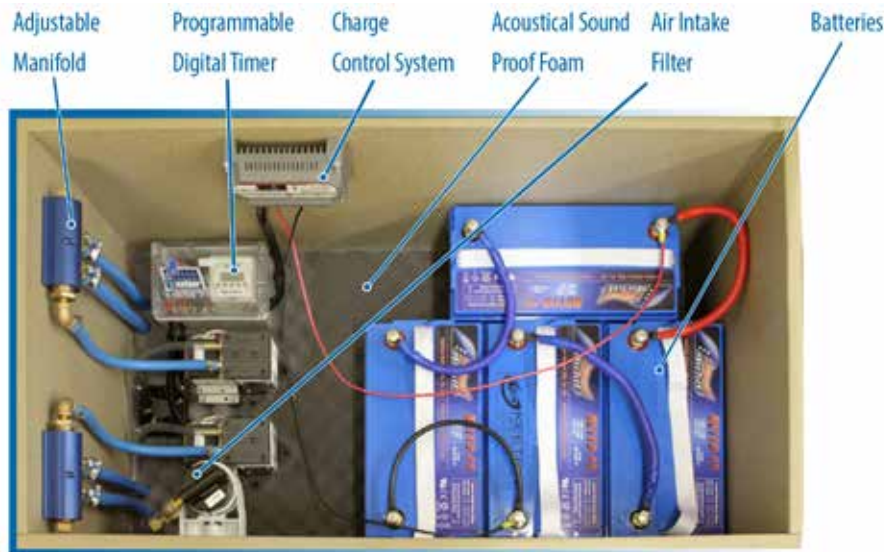
These solar aeration systems feature a proprietary 24v compressor that offers the best mix of airflow, pressure and low power consumption that allow these systems to operate over a wide range of conditions.

The electrical components and digital timer are conveniently housed in a water resistant electrical box to protect them from the elements.

The solar array and battery backup are continuously monitored by the charge controller which maintains battery voltage. The 24v battery backup features deep cycle, gel filled glass mat batteries that provide optimum performance in hot and cold climates alike.

The fully adjustable aluminum manifold allows for easy system balancing and individual control over diffusers.

Inside the SPA-3B and SPA-4B Models



All components are housed in a 100% recycled plastic cabinet with sound reducing acoustical foam that makes this solar series of aeration systems one of the quietest on the market today.

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