

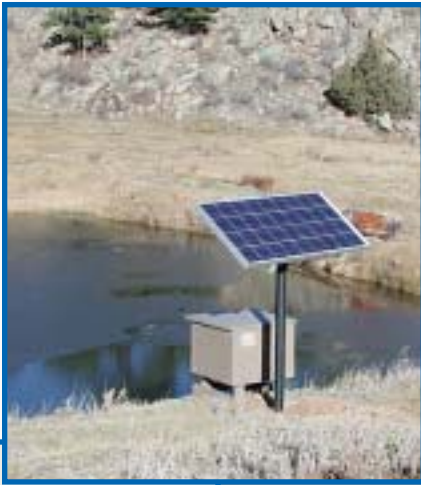
# Keeton Solaer<sup>®</sup> Aeration Systems

Patent No. US 6,676,837B2



*Solutions For Your Water Quality Needs*

*Solaer™  
Aerator*



Keeton Industries, Inc., the premier provider of aquatic management since 1972, now makes it easier to maintain quality ponds and lakes in remote or limited utility areas. Our superior, patented solar aeration system, Solaer®, allows us to design and implement a one-of-a-kind system powered by the sun and needing virtually no service.

### **Solaer Lake Bed Aeration Systems:**

- Install at any location — Perfect for remote or limited utility sites
- Run on FREE solar energy — OFF the grid!
- Do not require trenching for 110 volt power line
- Provide 20-hour-per-day run times — Battery support at night
- Operate on safe, low voltage
- Provide excellent return on investment
- Benefit ponds and lakes from 150,000 gallons at 10 ft depth (1/4 acres) to 5 surface acres. Custom units for larger lakes available.



*SB-4 at  
Wolf Springs  
Ranch*



The Solaer Lake Bed Aeration System introduces compressed air into a waterbody using non-clogging, maintenance-free diffusers such as Duraplates™ or Dura-Venturis™ for maximum oxygen transfer. The ensuing water current draws oxygen-depleted water from the bottom, oxygenates it and transports it to the surface. This action breaks down stratified waters while increasing dissolved oxygen levels and protecting fish, aquatic organisms and beneficial bacteria from suffocation.



*“The Solaer aerator you sent me is AWESOME like clockwork. Best part, I don't have to pay for*

Aeration improves the esthetics and the overall health of ponds and lakes, and reduces growth of unsightly algae blooms, the accumulation of sludge, and fish kills.

With ever-increasing community, commercial and governmental interest in environmentally responsible water management practices and reduction of utility usage, a high priority is being placed on providing the aquatic environment with the natural tools and resources required to establish and maintain itself.

## Solaer Aeration Systems Technical Specifications

- Fives models: Smallest units (SB-1A) for Koi and decorative ponds up to 150,000 gallons (1/4 acre). Largest unit (SB-4) sufficient for ponds/lakes up to 5 surface acres. Systems include: Duraplate diffuser(s) number included depends on size, on-board timing system, various length Alpine self weighted air line(s), auto controls
- Solaer™ offers the only patented lake and pond subsurface aeration to provide nearly full-time aeration (20 hours per day) with battery backup.
- Only additional material needed is a 2.5 inch x 8 to 10 foot steel pipe for mounting to solar panel (obtain locally).

Series	Model	Lake Size (Acres)	# of Diffusers
Solaer	SB-1A	1/4	1
	SB-1	1	1
	SB-2	2	2
	SB-3	3	3
	SB-4	5	4



*SB-2 with Desert Cooling Package*



*SB-4 with 4 Valve Manifold*



*Solaer™ Aerator*



*DuraPlate™ Diffuser*



*Solaer™ Lake Bed Aerator*

***! Installation was a cinch and the thing works any electricity, EVER."***

— MICHAEL HURST, ASPEN, CO



We are committed to your satisfaction by delivering systems that have comprehensive field testing, stringent quality control, top-quality components and design — all backed by our knowledgeable customer support and consultation staff.

Our mission is to provide you with optimal environmental solutions that enable you to enjoy the vision and beauty that water brings to your property — no matter where it is located.

**For additional information  
on Solaer® Aeration Systems (Patent No. US 6,676,837B2),  
please call us or visit our website  
at [Solardirect.com](http://Solardirect.com)**

