

Applications:

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| Freshwater Lakes | Potable Water Tanks |
| Drinking Water Reservoirs | Potable Water Reservoirs |
| Stormwater Detention Ponds | Wastewater Ponds/Lagoons |
| Parks & Golf Course Ponds | Effluent Storage Ponds |
| High Value Property Areas | Sludge Storage Basins |
| Sport Fishing Lakes | Industrial Waste Ponds |
| Fish Hatchery & Culture Ponds | Power Plant Cooling Lakes |
| Estuaries | Leachate Ponds |



Features:

- Solar powered for no energy costs
- Operates day and night on solar power
- Near-laminar flow provides large area of influence
- Intake designs available from 1 to 100+ ft depths
- Low maintenance, stainless steel and corrosion-resistant polymer construction for a 25+ year life
- Simple installation, factory installed



Freshwater Benefits:

- Can be deployed to treat the epilimnion and/or hypolimnion
- Controls harmful blue-green algae blooms
- Eliminate taste and odor problems in drinking water
- Improves aesthetics, water clarity and biodiversity
- Improves fish habitats and eliminates fish kills
- Reduces release of Mn, Fe, H₂S and P from lake sediments
- Improves dissolved oxygen (DO) and pH levels
- Reduces invasive aquatic weed growth
- Good for lakes and reservoirs of any size



Quick Overview

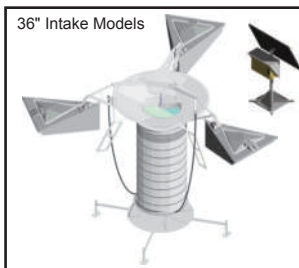
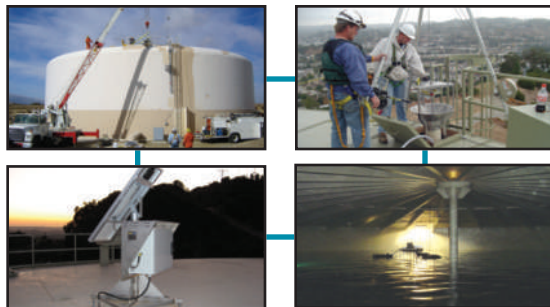
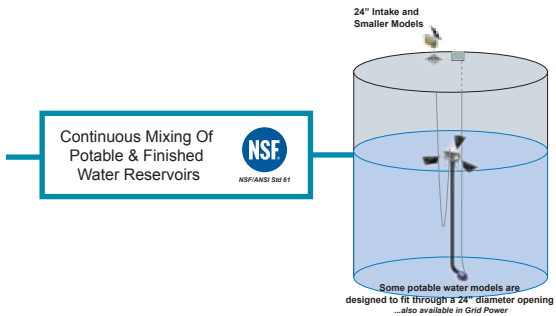
Wastewater Benefits:

- Reduces energy consumption in partial and total mix systems
- Improves performance of facultative pond systems
- Improves BOD, TSS and ammonia reduction
- Controls odors (odor capping systems available)
- Improves sludge digestion and reduces the need for dredging
- Reduces short-circuiting and fecal coliform counts



Potable / Finished Water Storage Benefits:

- Reduces loss of residual chlorine or chloramine
- Prevents thermal stratification and long water age
- Reduces nitrification and high heterotrophic plate counts
- Reduces excessive ice buildup in cold climates
- Good for all sizes of tanks and reservoirs > 0.1MG
- Fits through hatches 24" diameter and larger
- Minimal if any, infrastructure changes, factory installation



We have a great deal of additional information available about the SolarBee and water treatment that just will not fit into this literature packet. For the latest, point your web browser to <http://www.solarbee.com>. The site includes current:

Installation Photos

Case Studies

Reference Letters

SolarBee Technical Bulletin

Online Video

Sludge Testing Information

News Articles

We are constantly adding new information so check back often.