



Aeration and Pond Maintenance Products



- *Fountains – Electric & Solar*
- *Aeration – Electric, Solar & Wind*
- *Algae & Weed Control Products*
- *Microbes & Pond Dyes*
- *Fish Feeders & Attractors*
- *Other Pond Products*

Outdoor Water Solutions, Inc.

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www.outdoorwatersolutions.com

Outdoor Water Solutions – Our Story

Outdoor Water Solutions was started in 2005 with a passion for improving outdoor ponds and lakes. The Outdoor Water Solutions brand brings together a full product line that is eco-friendly and safe for fish and the environment. Based in Springdale, Arkansas, our company manufactures and distributes everything from electric, wind and solar aeration systems to commercial quality fountains, pond microbes, pond dyes, DIY dock packages and many other items. Our focus has always been on providing a high-quality product that our customers are proud to own.

In 2021, Outdoor Water Solutions purchased Air-O-Lator, which was based in Kansas City. For over 40 years, the Air-O-Lator has been making eco-friendly, high-performance products engineered to conserve water and improve water quality. The Air-O-Lator was originally founded in 1961 under the name Roycraft Industries. In 1967, Roycraft Industries

developed the original, Ice-Away de-icer, designed to prevent ice formation in marinas and around docks. Air-O-Lator continues to manufacture aerating and display fountains, surface aerators, de-icers, mixers, and more to improve water quality and beautification while maintaining environmental responsibility. With over 70 years of combined experience in manufacturing pond and lake equipment, the owners and employees of Air-O-Lator and Outdoor Water Solutions continue to develop and improve their product lines.

If you are looking for ways to improve your pond or lake, get rid of algae and moss, bacteria and odor; or just want to have a pond that is clean and clear for fishing, livestock use, boating and even swimming, then we have the solutions for you.



Working with Nature to improve outdoor water is our passion and the Outdoor Water Solutions brand brings together products that are eco-friendly and safe for fish and the environment. If you are looking for ways to improve the health of your pond or lake; get rid of algae and moss, bacteria and odor; or just want to have a pond that is clean and clear for fishing, livestock use, boating and even swimming, we have the solutions for you.

The Outdoor Water Solutions Team

Website: Visit the OWS website www.outdoorwatersolutions.com for testimonials, pictures of working windmills, and additional information about our products.

Dealers: The OWS brand is available at dealers throughout the U.S. and Canada. Please contact us today for a dealer in your area or to become a dealer. Call toll-free: 866-471-1614.



Contents

Introduction	Page 1	Air-O-Lator Fountains	Page 17-19
Why Aeration?	Page 2	OWS Commercial Quality Fountains	Page 20-21
Aeration Options	Page 3	OWS Solar Fountains	Page 22
Wind Driven Aeration Systems.....	Page 4	OWS Commercial Quality Fountains - Solar	Page 23
OWS Windmills	Page 5	Surface Aerators	Page 24
Windmill Accessories	Page 6	Ice-Away	Page 25
Powder Coated Windmills	Page 7	Soilfloc	Page 26
Electric Aerators	Page 8-10	All Natural Pond Products	Page 27
Solar Aerator Options	Page 11	Aquatic Solutions Guide	Page 28
TurboAir	Page 12	Weed Control	Page 29
AerMaster Ultimate Solar Aerators	Page 13	Algae & Weed Control	Page 30
NightAir Solar Aerators	Page 14	Fish Feeders & Habitat	Page 31
Aeration Accessories	Page 15	Other Lake & Pond Products	Page 32
Fountains - Explain the Differences	Page 16	Do it Yourself (DIY) Docks	Page 33
		Notes	Page 34



“Over a fascinating 30-year career in the fisheries management business, I haven’t seen anything change our ability to take care of ponds and lakes as aeration has. Nature moves water horizontally with wind, but Outdoor Water Solutions has figured out how to harness that breeze to create vertical water movement... and that’s what cleanses your pond or lake. Wind-powered aeration is green and effective. Outdoor Water Solutions is a progressive company, providing products to help people be better stewards of their land and water. I now recommend every pond-owner to consider aeration. No electricity? No problem. Use a wind-powered system.” **Bob Lusk, Editor - Pond Boss Magazine and nationally known fisheries biologist**

Why Aeration?

Does your pond look like this?

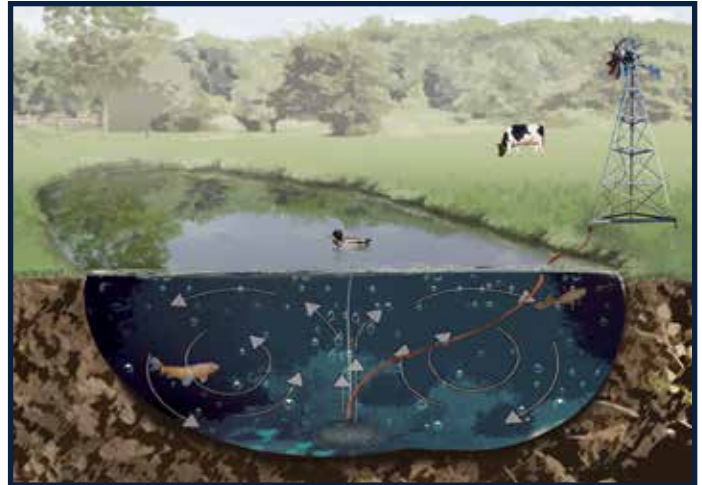


Ponds without oxygen can become stagnant, resulting in excess algae, muck on the bottom, and even fish kills.

Ponds without Aeration:

- Can become stale or stagnant
- Will tend to develop algae problems over time
- Tend to “turnover” in the spring or fall, which can cause fish kills
- Will have a build-up of excess muck and mud on the bottom
- Can freeze up in the winter months, causing fish kills
- Are not the most fun to fish in or swim in, due to algae or smell
- Not healthy for livestock or wildlife

Would you like it to look like this?



The process of aeration supplies the water with rich oxygen and removes excess nutrients and pollutants, making the entire body of water a healthy ecosystem.

Ponds with Aeration:

- All ponds benefit from aeration
- Circulates water from the bottom, which helps prevent pond “turnover” and fish kills
- Have less odor, algae, and bacteria due to increased oxygen and circulation
- Will see a reduction in muck and organic matter on the bottom
- Will increase the healthy living area for fish
- Can also hinder mosquito breeding and West Nile virus, due to water movement
- Safe and healthy for animals



“We are thrilled with our new fountain! It’s a 2hp Air-O-Lator display fountain with the Diana nozzle. It’s truly spectacular at night.”
R. Bonn
Saint Cloud, MN

“Love the new NightAir™ aeration system!”
Ray Landy,
Eagle Point, OR



“The beauty and grandeur that my Outdoor Water Solutions windmill brought to my rural property was way more than I expected! It even makes my pond clean and pretty. Thanks OWS for a great product”

Rodney Miller
(Host, Small Town Big Deal TV Show)
Ocilla, Georgia

“Thanks to our Outdoor Water Solutions windmill, we have been able to maintain clear water for our 1/2-acre pond without the on-going maintenance prior to the purchase. Everyone comments on how nice our pond looks now and what an “eye catching” addition the windmill has made to the landscape of our property. Thank you Outdoor Water Solutions for an outstanding product, first-rate product support and a great looking design.”
Richard and Karen Graham
Apollo, PA



There are a lot of ways to add beneficial oxygen to your pond or lake. If you want continuous 24/7 aeration, then electric is the way to go provided you have electricity somewhat close to your pond. Most ponds do not have to be aerated continuously and benefit greatly from bottom diffused aeration 8 to 12 hours a day so wind, solar or a combination of the two works great. Surface aerators also have a place if you're looking for a lot of oxygen.

Electric Bottom Diffused Aeration

(see pages 8-10).

This is probably the most popular choice when it comes to aerating a pond or lake. Most systems run 24/7 and circulate the whole body of water adding much needed oxygen and eliminating the thermocline and associated risk of a pond turnover or winter freeze up. Both shallow water and deep water systems are available as are larger double cabinets for larger ponds.



Solar Bottom Diffused Aeration

(see pages 11-14)

The technology for solar aeration has changed dramatically in the last 5 years. New rocking piston 24v compressors with higher output and better solar panels have made solar aeration a viable option for a lot of ponds. Systems can either be Direct Drive™ running during the daylight hours or can have batteries for night time operation. Outdoor Water Solutions is the Industry leader when it comes to solar aeration.



Wind Driven Bottom Diffused Aeration

(see pages 4-7)

With our latest BalCam™ technology, windmills can produce up to 4.5 CFM of airflow, which far exceeds competitors. Our systems offer the longest compressor warranty in the Industry with it's 5 years of coverage. Great systems for remote ponds or where you want to combine the looks of an old-time windmill with pond aeration. Available in 3 or 4 legged models, wood and also custom powder coat colors.



Surface Aerators & Aerating Fountains

(see pages 17 & 24)

These systems are designed to add a large amount of supplemental oxygen to your pond or lake. Great for both looks and aerating the top 6-8' of depth. Surface aerators are the #1 choice for fish farms and University research ponds due to their high O2 transfer rates.



Solar Aeration Fountains

(See page 22 for the Aerify SW Solar Options)

This is a great option for a remote pond or an area where you just want to use solar power and not electricity. Available in both 1/2hp and 1hp models, these solar aerators utilize the latest controller, motor and solar panel technology.



Wind Driven Aeration Systems

We worked together with a team of engineers to develop the most advanced technology for wind-driven aeration on the market today. Our new Balanced Camshaft "BalCam II" Technology revolutionizes the industry by significantly increasing the amount of air produced with a single diaphragm by balancing the workload on the three sealed bearings inside each compressor.

About the OWS Windmill:

- "BalCam II" technology minimizes bearing fatigue using Stainless Steel Components
- Fast & easy assembly
- Manufactured with 18-gauge galvanized steel
- Self-governing head to protect in heavy winds
- Secure locking mechanism that attaches windmill head to shaft
- Generates 3.0 – 4.5 CFM of air
- Rated at 30 PSI. This will allow you to aerate effectively up to 30' – 40' depth

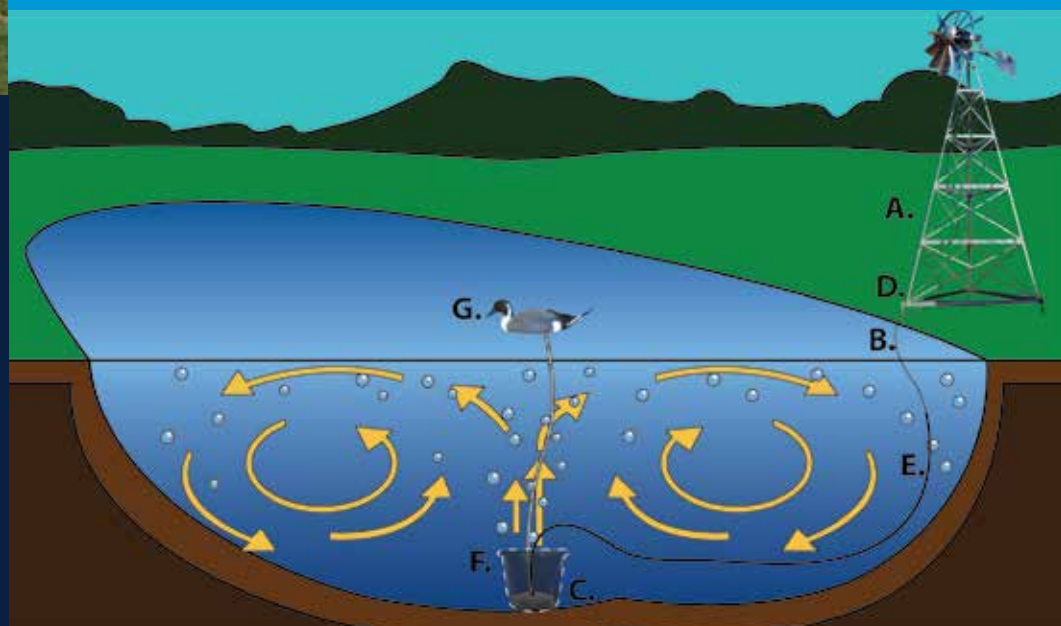
Outdoor Water Solutions has streamlined wind-driven aeration design & technology!



- Rounded Corners
- Large Compressor
- One-Piece Hub Assembly
- Offset Holes for Easier Alignment

- One system designed to aerate ¼ acre up to 3 acre ponds.
- Multiple systems can be installed for larger ponds or lakes.
- Operates in as little as 5mph winds.
- Can be located up to 1,000 feet from your pond.
- Multiple tower options are available.
- Operates 100% fuel and electricity free!
- Improves your water ecosystem naturally with no additional cost.

How an OWS Aeration System Works:



- A – OWS Aeration Windmill
- B – Polytubing Air Line
- C – Diffuser Airstone
- D – Optional: Tower Hinges
- E – Optional: Weighted Air Line
- F – Optional: Airstone Housing Bucket
- G – Optional: Airstone Marker

Note: The basic system includes: Windmill, Tower, 100' Polytubing Air Line, 1 Airstone & Assembly Manual

*See pages 6-7 for optional aeration accessory items.

Aeration & Ornamental Windmills

We offer a range of windmills for your aeration and ornamental needs. Made in the USA, the OWS aeration windmills are designed for ¼ to 3 acre ponds. If your pond is an unusual size or is shallow, we can help put an aeration system together that will work for you. We offer a range of additional accessories that will enhance your aeration windmill set-up and performance.

3-Legged Windmills



Our new 24' windmill is one of the TALLEST windmills on the market. The height is actually 27' to the top of the head. This higher tower will really catch the wind and works great in lower wind areas.

Also available in 12', 16' and 20' Models

Item #	Tower	Type	Finish
OMS0014	12'	Ornamental	Galvanized
OMS0015	16'	Ornamental	Galvanized
OMS0016	20'	Ornamental	Galvanized
AWS0011	12'	Functional	Galvanized
AWS0012	16'	Functional	Galvanized
AWS0013	20'	Functional	Galvanized
AWS0049	20'	Functional - Deluxe	Galvanized
AWS0805	20'	Functional - Super Premiere	Galvanized
AWS0369	24'	Functional	Galvanized
AWS0179	24'	Functional - Deluxe	Galvanized
AWS0642	24'	Functional - Super Premiere	Galvanized

Each Functional Unit

Includes:

- Windmill Head
- BalCam II Compressor
- Windmill Tower
- 100' of ½" polytubing
- (1) Airstone with backflow valve

Each Deluxe Unit

Includes:

- Windmill Head, BalCam II Compressor, and Tower
- 100' of ½" polytubing
- 200' of ½" Weighted Air Line
- (2) Airstones with airstone housing bucket
- (3) Hose Connectors
- (1) Pair of OWS Tower Hinges
- (1) 2-Way Selector Valve

4-Legged Windmills



We also manufacture a 20' and 24' four-legged windmill tower. This is more a matter of personal preference, as both tower options are extremely stable if anchored properly, but for those of you who prefer four legs instead of three, this is the way to go! This is a reasonably priced upgrade kit that gives you all four legs and our four-sided cone.

Item #	Tower	Type	Finish
AWS0146	20'	Functional	Galvanized
AWS0180	24'	Functional	Galvanized
AWS0181	20'	Functional - Deluxe	Galvanized
AWS0197	24'	Functional - Deluxe	Galvanized

Each Super Premier Unit

Includes:

- Pivot Head Bearing
- Windmill Head, BalCam II Compressor, and Tower
- 100' of ½" polytubing
- 200' of ½" Weighted Air Line
- (2) Rubber membrane Diffuser with self-sinking base
- (3) Hose Connectors
- (1) Pair of OWS Tower Hinges
- (1) 2-Way Selector Valve

Five-Year Aeration Windmill Warranty

Outdoor Water Solutions will cover any major mechanical defects inside our compressor for a full five years from the date of purchase. Windmill parts are covered for a period of three years from date of purchase against defects in workmanship or material. For full warranty information, see our website at www.outdoorwatersolutions.com

Windmill Accessories

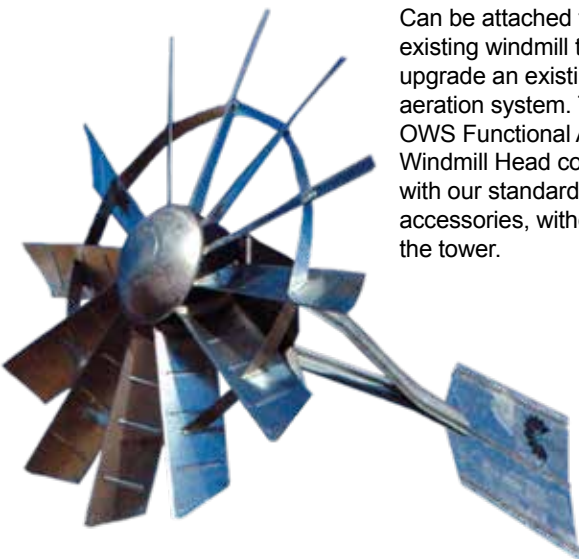


Wooden Windmills

Want a more Nostalgic look and feel? Our new wooden tower is a masterpiece in design. Manufactured in the U.S., with a honey brown-colored, pressure-treated wood, this windmill will look great for a long time. Total height is 19' to the top of the head. Available with either a Galvanized or Powder Coated Head. We also offer a Wood Tower Kit where you can build your own tower. We supply the plans, hardware and windmill head.

Item #	Tower	Type	Finish
WTW0111	16'	Ornamental	Galvanized Head
WTW0110	16'	Functional	Galvanized Head
WTW0112	16'	Functional – Deluxe	Galvanized Head
WTW0113	16'	Functional	Powder-Coated Head
WTW0114	16'	Functional – Deluxe	Powder-Coated Head
WTW0182	16'	Wood Tower Kit	Galvanized Head
WTW0198	16'	Wood Tower Kit	Powder-Coated Head

OWS Functional & Ornamental Windmill Heads



Can be attached to an existing windmill tower or to upgrade an existing windmill aeration system. The OWS Functional Aeration Windmill Head comes with our standard aeration accessories, without the tower.

OWS Functional Windmill Head
Item # AWS0017 (106 lbs.)

OWS Ornamental Windmill Head
Item # OMS0018 (96 lbs.)

Windmill Accessories



OWS Wooden Windmill Anchor Kit

Use this to anchor your wooden windmill. Kit includes 4 ground anchors and all hardware needed to attach each anchor to the four legs. Will not work in gravel or rock.
Item # WNP0154 (15 lbs.)



OWS Airstone Housing Bucket

Sturdy bucket protects Airstone and keeps it out of the mud and muck. Includes 48' nylon rope that ties the bucket to your airstone marker.
Item #ARS0028 (2.8 lbs.)



OWS Airstone Marker – Duck Decoy

Great-looking duck decoy that helps you visually mark your airstone and its placement. Marker attaches to Airstone Housing bucket. Nice addition to any pond.
Item # ARS0029 (5 lbs.)



OWS Selector Valves

Our selector valves are designed to regulate airflow between multiple diffuser airstones. If one airstone is shallower than others or has a shorter air line, it will get a majority of the air. Selector valves allow you to regulate the airflow.
Item # ARL0042 (1.05 lbs.)



OWS Tower Hinges

These easy-to-install hinges allow you to lay the windmill down or stand it up using a much more stable base. By fixing two of the windmill corners, your windmill can now pivot up and down, making service and repairs much easier and safer.
Item # WNP0041 (2 lbs.)



OWS Aeration Maintenance Kit

High-quality maintenance kit, which includes 1 OWS diaphragm, 2 umbrella valves, 1 washer, and 1 "O" ring. Your diaphragm and check valves should be replaced every 3 – 5 years, depending on conditions.
Item # OPR0046 (4 lbs.)



OWS Freeze Control System

When added to any OWS Wind-Driven Aeration System, the freeze control system will keep the line from freezing and allow airflow to continue. This will also hinder ponds from freezing and reduce the need to break ice in winter months.
Item # FCU0039 (4.75 lbs.)



OWS Aerator Control Box

Our new Pond Aerator Control Box utilizes an air pressure sensor to regulate your aeration needs. If the wind stops blowing, this control box will turn on your electric aeration system. If the wind blows, it shuts off your electric aerator allowing you to save money and electricity.
Item # ARL0103 (6.5 lbs.)

Customizing your windmill is a great option! Choose from one of our standard powder coat colors, or design the windmill of your choice. We can also help you design a tail-fin sticker that represents your business, hobby, pet, farm, or family name.

- Vinyl Sticker To Adhere To Metal Tailfin
- Several Different Height Options
- Top-Quality UV-Protective Powder Coating
- Made in the USA

OWS Custom Powder Coat Option



20' Traditional Tower
Green/Yellow
PCW0130 (276 lbs.)



20' Traditional Tower
Bronze
PCW0021 (276 lbs.)



20' Traditional Tower
Red & White
PCW0006 (276 lbs.)



20' Traditional Tower
Forest Green
PCW0090 (276 lbs.)



20' Traditional Tower
Blue & White
PCW0138 (276 lbs.)

OWS Custom Powder Coat Option

20' Custom Powder Coat

We have created customized windmills for a variety of customers, including colleges, golf courses, farms, and other businesses where aeration is a benefit, or simply where a windmill adds to the ambiance of the setting. We can powder-coat the entire windmill, or we can work with you and customize the blades, dome, or other sections. We can also create tail-fin stickers using your logo or artwork. For more details, contact your local dealer or call us.



3 Legged 20' PCW0091 (276 lbs.)

* All powder coated windmill systems on this page include: Tower, Windmill Head, 100' of 1/2" polytubing, 50' of 1/2" Weighted Air Line, 1 Diffuser Airstone, Foot valve, Tower Hinges, Airstone Housing Bucket, 1 Duck Decoy Marker, and Hose Connector.



4 Legged 20' PCW0225 (289 lbs.)

OWS Aeration Accessory Kits

OWS Small Pond Accessory Kit

Includes everything you need to aerate a 1/8-acre to 1-acre pond. Includes pivot hinges, which help raise and lower your tower for maintenance, 50' of weighted air line, 1 airstone housing bucket, 1 duck decoy marker, and hose connectors.

Item # PSP0071 (29 lbs.)



OWS Medium Pond Accessory Kit

Includes everything you need to aerate a 1- to 2-acre pond. Includes pivot hinges, which help raise and lower your tower for maintenance, 150' of weighted air line, 1 extra airstone and foot valve, a 2-way selector valve to regulate oxygen flow, 2 airstone housing buckets, 2 duck decoys, and hose connectors.

Item # PSP0072 (84 lbs.)



Electric Aerators

Electric Aeration Systems

To prevent stratification and low dissolved oxygen in ponds and lakes, we aerate the bottom water. Aeration is done by using compressed air to continuously move large volumes of low-oxygen water from the bottom to the surface. When the entire lake is oxygenated, fish are able to feed in the deeper portions of the lake. This method of aeration reduces algae growth by reducing the release of nutrients from lake sediments and allowing beneficial aerobic bacteria to grow in the lower parts of your pond, lake or dugout. Benefits include improved water quality and clarity, prevention of fish kills and reduced occurrence of algae blooms, disease and odor.

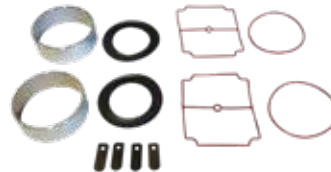
Outdoor Water Solutions AerMaster™ Aeration Systems are a great way to aerate and circulate your ponds, lakes and dugouts. Each system is designed to be maintenance free and are built with high quality components and carry a 2 Year Warranty. We offer both shallow water and deep water compressors and can design a system for almost any pond from 1/8 of an acre up to 6+ acres.

Electric Aeration Accessories & Replacement Parts



Compressor Air Filters

Replace every 6 months to keep warranty intact.
Kits include 3 replacement filters and 1 canister
Item # EAU0396 – Small filter Kit for 1/4 HP
Item # EAU0415 – Small filter 3/8" NPT for 1/2 HP
Item # EAU0394 – Large filter 3/8" NPT for 3/4 HP



Quantum™ Compressor Maintenance Kits

Replace every 2-3 years or as needed.
Item # EAU0398 – 1/4 HP Repair Kit
Item # EAU0399 – 1/2 HP Repair Kit
Item # EAU0405 – 3/4 HP Repair Kit



Electric Aerator Sound Kit

Includes sound dampening acoustical foam inside cabinet, fan suppressor cover, and mounting pad.
Item # EAU0452



Replacement Quantum Compressors

Keep your electric aerator going strong with a replacement compressor.
Item # ELE00063 / ELE0065 – 1/4HP 110V / 1/4HP 230V
Item # ELE00067 / ELE0097 – 1/2HP 110V / 1/2HP 230V
Item # ELE00068 / ELE0069 – 3/4HP 110V / 3/4HP 230V

Shallow Pond Systems (Ponds 8-10' deep or less)

OWS AerMaster LD 1.5 Shallow Pond System



2 Year Warranty on LD Compressors!

Includes:

- Electric Aerator rated at 1.5 CFM @ 8' of depth
 - 50' of Non-Weighted Airline
 - 25' of Weighted Airline
 - 1 Airstone Diffuser with Backflow Valve
- Item # EAU0047 (18.5 lbs.)

Aerates Ponds up to 1/2 Acre Max Depth of 8'

OWS AerMaster LD 7.0 Aeration System



Aerates Ponds up to 1 Acre Max Depth of 8'

Includes:

- Electric Aerator rated at 7.0 CFM @ 8' of depth
 - 3 Way Selector Valve
 - 3 Low psi Optimal Air Rubber Membrane Diffusers with 3 Bases.
 - Airline Sold Separately
- Item # EAU0184 (47.0 lbs.)

All Cabinets Shown
with Optional Sound Kit

Deep Pond Systems (Ponds up to 1.5 Acres and over 8' Deep)

OWS AerMaster Pro 2



3 Year Warranty on
Deep Pond Compressors!

Includes:

- ¼ HP Quantum Compressor
- Powder Coated Aluminum Cabinet
- 220 CFM Circulating Fans
- 1 valve manifold with 1 adjustable valve
- 2.2 CFM at 10' of depth
- 100' of ½" Weighted Airline
- 1 Dual Disc low psi Air Station
- Pressure Relieve Valve
- Oil Filled Pressure Gauge

Item # EAU0186 (105 lbs.)

Aerates Ponds up to 1.5 Acres

OWS AerMaster Pro 3



Includes:

- ¼ HP Quantum Compressor
- Powder Coated Aluminum Cabinet
- 220 CFM Circulating Fans
- 2.2 CFM at 10' of depth
- 2 Valve Manifold With 2 Adjustable Valves
- 200' of 3/8" Weighted Airline
- 2 Single Disc low psi Air Stations
- Pressure Relief Valve
- Oil Filled Pressure Gauge

Item # EAU0187 (165 lbs.)

Aerates Ponds up to 1.5 Acres

Deep Pond Systems (Ponds up to 2.5 Acres and over 8' Deep)

OWS AerMaster Pro 5



Available in Both 110v
and 220v Models

Includes:

- ½ HP Quantum Compressor
- Powder Coated Aluminum Cabinet
- 220 CFM Circulating Fans
- 4.3 CFM at 10' of depth
- 2 Valve Manifold With 2 Adjustable Valves
- 200' of 3/8" Weighted Airline
- 2 Double Disc low psi Air Stations
- Pressure Relief Valve
- Oil Filled Pressure Gauge

Item # EAU0189 (115 lbs.)

Aerates Ponds up to 2 Acres

OWS AerMaster Pro 6



Includes:

- ½ HP Quantum Compressor
- Powder Coated Aluminum Cabinet
- 220 CFM Circulating Fans
- 4.3 CFM at 10' of depth
- 3 Valve Manifold With 3 Adjustable Valves
- 300' of 3/8" Weighted Airline
- 3 Single Disc low psi Air Stations
- Pressure Relief Valve
- Oil Filled Pressure Gauge

Item # EAU0190 (170 lbs.)

Aerates Ponds up to 2.5 Acres

Electric Aerators

Deep Pond Systems (Ponds up to 4 Acres and over 8' Deep)

OWS AerMaster Pro 8



Includes:

- ¾ HP Quantum Compressor
- Powder Coated Aluminum Cabinet
- 220 CFM Circulating Fans
- 6.0 CFM at 10' of depth
- 2 Valve Manifold
- 2 Adjustable Valves
- 300' of 1/2" Weighted Airline
- 2 Double Disc low psi Air Stations
- Pressure Relief Valve
- Oil Filled Pressure Gauge
Item # EAU0192 (175 lbs.)

Aerates Ponds up to 2.5 Acres

OWS AerMaster Pro 9



Includes:

- ¾ HP Quantum Compressor
- Powder Coated Aluminum Cabinet
- 220 CFM Circulating Fans
- 6.0 CFM at 10' of depth
- 3 Port Manifold
- 3 Adjustable Valves
- 500' of 1/2" Weighted Airline
- 3 Double Disc low psi Air Stations
- Pressure Relief Valve
- Oil Filled Pressure Gauge
Item # EAU0193 (90 lbs.)

Aerates Ponds up to 4 Acres

OWS AerMaster Pro 10



Includes:

- ¾ HP Quantum Compressor
- Powder Coated Aluminum Cabinet
- 220 CFM Circulating Fans
- 6.0 CFM at 10' of depth
- 2 Port Manifold
- 2 Adjustable Valves
- 2 Four Membrane Self Sinking Optimal™ Air Stations
- Pressure Relief Valve
- Oil Filled Pressure Gauge
- 500' Spool ½" Weighted Airline
Item # EAU0485 (350 lbs.)

Aerates Ponds up to 4 Acres

Deep Pond Systems (Ponds up to 10 Acres and over 8' Deep)

OWS AerMaster Pro 11



Includes:

- (2) ¾ HP Quantum Compressor
- Pro Guard™ Coated Aluminum Cabinet
- 470 CFM Circulating Fans
- 12.0 CFM at 10' of depth
- 6 Valve Manifold
- 6 Adjustable Valves
- 6 Double Membrane Self Sinking Optimal™ Air Stations
- Pressure Relief Valve
- Oil Filled Pressure Gauge
- Airline Sold Separately
Item # EAU0493 (125 lbs.)

Aerates Ponds up to 6 Acres

OWS AerMaster Pro 12



Includes:

- (2) ¾ HP Quantum Compressor
- Pro Guard™ Coated Aluminum Cabinet
- 470 CFM Circulating Fans
- 12.0 CFM at 10' of depth
- 8 Valve Manifold
- 8 Adjustable Valves
- 8 Double Membrane Self Sinking Optimal™ Air Stations
- Pressure Relief Valve
- Oil Filled Pressure Gauge
- Airline Sold Separately
Item # EAU0490 (125 lbs.)

Aerates Ponds up to 10 Acres

OWS AerMaster Pro 15



Includes:

- (2) ½ HP Quantum Compressor
- Pro Guard™ Coated Aluminum Cabinet
- 470 CFM Circulating Fans
- 8.6 CFM at 10' of depth
- 6 Valve Manifold
- 6 Adjustable Valves
- 6 Double Membrane Self Sinking Optimal™ Air Stations
- Pressure Relief Valve
- Oil Filled Pressure Gauge
- Airline Sold Separately
Item # EAU0640 (125 lbs.)

Aerates Ponds up to 10 Acres

Solar Aerator Options

Explain the Differences

There are really two different types of solar aerators. There are Direct Drive™ (DD) systems that run during the daytime using the power of the sun. These utilize our proprietary MaxEnergy™ controllers that boost the power during the early morning or late afternoon hours giving you more run time than competitive systems. The second option is a battery back up system.

Direct Drive Solar Aerators

The first option using DD technology is our TurboAir™ - 24v system using our latest Quantum™ rocking piston compressor. This can generate up to 3.25 CFM with it's variable speed motor and can aerate at depths up to 20' deep. This comes as a complete turn-key system with 2 solar panels, racks and the mounting pole.



The second option utilizing our DD technology is our AerMaster Ultimate DW™ (Deep Water) solar aerator. This is designed for deeper or larger bodies of water and utilizes three different compressor sizes ranging from 2.2 CFM to 6.0 CFM and aerates ponds or lakes up to 35'+ feet deep with it's rocking piston design.



Battery Back Up Solar Aerators

This system uses the latest in battery technology combined with two high wattage solar panels and comes as a turn-key system with everything you need except for concrete. It has a rated output of 2.2 CFM at 5 psi which exceeds all competitors. Running 20 hours a day, this system provides aeration when you need it most during the late night, early morning hours. If you're looking for the best in alternative energy aeration, then the NightAir™ is the way to go.



TurboAir™ - 24v Solar Aeration System Direct Drive™

How Does it Compare?

- Highest CFM in the Industry for Direct Drive Solar
- Significantly longer run times due to 2 high output solar panels and our proprietary MaxEnergy™ controller.
- All Inclusive kits - only concrete is needed!
- Full 2 year warranty on compressor and controls

System Includes:

- Quantum™ 24v DC Rocking Piston Compressor
- Proprietary MaxEnergy™ Solar Controller
- 2 Solar Panel System with Easy Install Racking
- Powder Coated Locking Aluminum Cabinets
- 2 High Efficiency DC Fans for Maximum Cooling
- Optional Sound Kit for Noise Reduction
- Pressure Gauge and Pressure Relief Valve
- Aerates up to 2.5 acres
- Replaceable Air Filter



Highest Output Direct Drive System Available!

Compressor Information:

- Quiet 24v Brushless DC Rocking Piston
- 3.25 CFM Output at 5 PSI
- Variable Speed Output
- Field Serviceable Maintenance Kits
- Operates in Depths up to 20ft

Solar Panel & Racking Information:

- 2 - 60 Cell Solar Panels > 600 Watts of Power
- Tempered Glass to Withstand High Winds
- High Efficiency Output even in Low Light
- Racking Includes 7' Vertical Pipe

TurboAir Products Specs

System Components	TurboAir I	TurboAir II	TurboAir III	TurboAir
Item #	SDD2421001D	SDD2422002S	SDD2425003S	SDD24
Recommended Pond Size	Up to 3/4 acre	Up to 1.5 acres	Up to 2.5 acres	Up to 2.5 acres
24v DC Solar Compressor	1	1	1	1
Powder Coated Aluminum Cabinet	1	1	1	1
Cooling Fans with Guards	2	2	2	2
# of Valves	1	2	3	Up to 3
Solar Panels	2	2	2	2
Solar Panel Frame	1	1	1	1
Mounting Pole	1	1	1	1
Pressure Relief Valve	1	1	1	1
Liquid Filled Pressure Gauge	1	1	1	1
Optional Sound Kit	1	1	1	1
Rolls of 100' Weighted Airline - 1/2"	1	2	0	0
Rolls of 500' Weighted Airline - 1/2"	0	0	1	0
Single Disc Diffusers	0	2	3	0
Double Disc Diffusers	1	0	0	0
Maximum Diffuser Depth	20'	20'	20'	20'
Cabinet Dimensions	23" x 14" x 16"	23" x 14" x 16"	23" x 14" x 16"	23" x 14" x 16"
Solar Panel Dimensions	40" x 66" each	40" x 66" each	40" x 66" each	40" x 66" each

AerMaster Ultimate DW™ (Deep Water) Solar Aerators

Our AerMaster Ultimate DW™ aerators are designed to aerate ponds and lakes where you want dependable performance for deeper or larger bodies of water. This system is built with the best components available and uses high pressure, high output compressors to move lots of air to where you need it most. This is a direct drive system that operates during the daylight hours and is designed to start earlier, run later and operate during moderately cloudy days giving you more run time than other battery free systems out there with total daily CFM that far exceeds all other solar aerators on the market.

Technical Specifications

Compressor & Cabinet

- Outdoor Water Solutions Quantum™ compressors in 3 different sizes
- Oil-less piston and hard coated aluminum cylinder with permanently lubricated bearings
- Aerates ponds up to 35'+ deep with a rocking piston design
- High quality aluminum cabinet with (2) circulating fans, oil filled pressure gauge and pressure relief valve

Solar Panels and Mounting Hardware

- High output solar panels
- Pre-cut fabricated solar mounting racks to make installation easier
- Includes quick cable disconnects to make assembly much easier
- Customer will need to purchase mounting poles locally

Accessories

- Heavy duty weighted airline. 1/2" ID standard. 5/8" airline is available for longer or deeper runs in 100' and 500' lengths.
- OWS Optimal Air™ Diffusers with self-weighted base. Much easier to install than other bases. No need to add sand or rock.
- Self-cleaning, low maintenance rubber membrane diffusers
- Optional noise reduction kit available

Warranty

- 3 year Warranty on all Quantum compressors. Covers all pistons, bearing and major components.
- Warranty does not include wear items (piston cup, valves, etc.)
- Air filters must be cleaned or replaced every 6 months
- 5 year warranty on all diffusers, bases and airline
- 15 year warranty on solar panels
- Lifetime warranty against rust on all OWS aluminum cabinets

Models Available

System Components	Ultimate 1	Ultimate 2	Ultimate 3	Ultimate 4	Ultimate 5	Ultimate 6	Ultimate 7	Ultimate 8	Ultimate 9
Item #	SUN0602	SUN0603	SUN0604	SUN0605	SUN0606	SUN0607	SUN0608	SUN0609	SUN06010
Recommended Pond Size	Up to 1.5A	Up to 1A	Up to 1.5A	Up to 2.5A	Up to 2A	Up to 2.5A	Up to 4A	Up to 3A	Up to 4A
Compressor Size	1/4	1/4	1/4	1/2	1/2	1/2	3/4	3/4	3/4
Rated Airflow @ 5 psi	2.2 CFM	2.2 CFM	2.2 CFM	4.3 CFM	4.3 CFM	4.3 CFM	6.0 CFM	6.0 CFM	6.0 CFM
# of Solar Panels	3	3	3	4	4	4	6	6	6
Custom Solar Panel Racking	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Powder Coated Alum. Cabinet	1	1	1	1	1	1	1	1	1
Cooling Fans with Guards	2	2	2	2	2	2	2	2	2
# of Valves & 14" Airline	Custom	1	2	Custom	2	3	Custom	2	4
Pressure Relief Valve	1	1	1	1	1	1	1	1	1
Liquid Filled Pressure Gauge	1	1	1	1	1	1	1	1	1
Rolls of 100' - 1/2" Wtd Airline	0	1	2	0	2	3	0	4	0
Double Disc Diffuser	0	1	0	0	2	3	0	0	4
Four Disc Diffuser	0	0	0	0	0	0	0	2	0
Rolls of 500' - 1/2" Wtd Airline	0	0	0	0	0	0	0	0	1
Single Disc Diffuser	0	0	2	0	0	0	0	0	0

Ultimate 2

Ultimate 6

Ultimate 8



NightAir™ Solar Aerators

Technical Specifications

Solar Panels & Mounting Hardware

- Revolutionary New Battery Back-Up Aeration System
- Highest Rated CFM of any Solar Aerators
- 20 Hours a Day Operating
- Aerates Ponds and Lakes Improving Water Quality
- Turnkey System – The Only Thing Needed is Concrete

Key Features

- 2 high output solar panels with easy install racking system – over 600 watts!
- 2 deep cycle AGM 200 Ah batteries
- Bluetooth enabled solar controller
- Quiet Quantum™ 24v brushless piston compressor
- 2.2 CFM output at 5 psi
- 2 high output fans on every system for optimal cooling
- Powder coated aluminum cabinet with secure locking system
- OWS Optimal Air™ self-cleaning rubber membrane diffusers with weighted base
- Aerates up to 20' deep

Warranty

- 2 year warranty on compressors and electrical components
- 5 year warranty on all diffusers, bases and airline
- 15 year warranty on all solar panels, lifetime warranty against rust on all aluminum cabinets

NightAir™ Product Specs

System Components	NightAir I	NightAir II	NightAir III
Item #	SBB2421001D	SBB2422002S	SBB2425003S
Recommended Pond Size	Up to 3/4 acre	Up to 1.5 acres	Up to 2.5 acres
24v DC Solar Compressor	1	1	1
Powder Coated Aluminum Cabinet	1	1	1
Cooling Fans with Guards	2	2	2
# of Valves	2	2	3
# of 200 Ah Deep Cycle Batteries	2	2	2
Bluetooth Solar Controller	1	1	1
Solar Panels	2	2	2
Solar Panel Frame	1	1	1
Mounting Pole	1	1	1
Pressure Relief Valve	1	1	1
Liquid Filled Pressure Gauge	1	1	1
Rolls of 100' Weighted Airline - 1/2"	1	2	0
Rolls of 500' Weighted Airline - 1/2"	0	0	1
Single Disc Diffusers	0	2	3
Double Disc Diffusers	1	0	0
Maximum Diffuser Depth	20'	20'	20'
Cabinet Dimensions	28"x 36" x 20"	28"x 36" x 20"	28"x 36" x 20"
Solar Panel Dimensions	40" x 66" each	40" x 66" each	40" x 66" each



The below aeration accessories are designed to support the OWS Electric & Solar Systems.

Aeration Tubing



OWS Polytubing

Outdoor Water Solutions has looked at a lot of air line to find what we think is the best. Our non-weighted polytubing is a heavy-duty LLDPE tubing that is designed to resist kinking. We recommend using this

air line from the top of the windmill down to the edge of your pond. For some installations, this might be 50', for others it can be up to 1,000 feet.

Description	Item #	Length	Ship Wt.
3/8" Polytubing	ARL0020	100'	4 lbs.
1/2" Polytubing	ARL0030	100'	4.5 lbs.
1/2" Polytubing	ARL0031	300'	13.5 lbs.



OWS Weighted Air Line

Our weighted air line is manufactured with the right weighting so it sinks to the bottom of your pond, even when it's full of air. By keeping the air line on the bottom of your pond, you don't have to worry about it getting tangled up with fishing line, boat motors, or people swimming.

Description	Item #	Length	Ship Wt.
3/8" Weighted Air Line	ARL0019	50'	11 lbs.
3/8" Weighted Air Line	ARL0201	100'	22 lbs
3/8" Weighted Air Line (value)	ARL0217	500'	125 lbs
1/2" Weighted Air Line	ARL0032	50'	23.5 lbs.
1/2" Weighted Air Line	ARL0033	100'	47 lbs.
1/2" Weighted Air Line (value)	ARL0073	500'	235 lbs.
5/8" Weighted Air Line	ARL0304	500'	290 lbs

Aeration Diffusers



OWS Diffused Aeration & Ice Melt Tubing

Aerating shallow ponds can be a real challenge! Our diffused aeration tubing works great to aerate ponds that are 3-8' deep and works with all of our aerators. This is self weighted tubing that has slits every 1.5" to give you more air spread out over a larger area. New Ice Melt tubing available with slits every 24" to keep the ice away from docks, boats, etc. in the winter time.

Item # ARL0311 125' roll of 1/2" Ice Melt Tubing
Item # ARL0311-1 250' roll of 1/2" Ice Melt Tubing

OWS Diffuser Airstone

Our diffuser airstone is the secret ingredient for efficient aeration! Our stones are manufactured with a large base to ensure the stone is sealed to the based correctly, forcing air out of the micro-pores in the stone. This stone has proven itself for more than 20 years. The top fitting is 1/2" NPT threads. This needs a backflow valve (ARS0027) or you can use the 2 piece kit (ARS0102).

Item # ARS0026 (3.5 lbs)

OWS Diffuser with Backflow Valve

This is the single airstone diffuser (ARS0026) and includes our back flow valve to prevent water from backing up into your airline.

There are two parts to this.

Item # ARS0102 (3.5 lbs)

OWS Foot Valve

The Airstone Foot Valve makes sure you don't have water back up into your air line. This item goes with Item # ARS0026.

Item # ARS0027 (.1 lbs.)

Replacement 9" Rubber Membrane Diffuser

This is a low-psi design, which means your windmill or electric aerator doesn't have to struggle to open up the perforated slits like it would with some rubber membranes on the market. This unit is meant to replace an existing 9" rubber membrane diffuser and does not include a backflow valve.

Item # ARS0389 (3 lbs.)

OWS 9" Optimal™ Air Diffuser with Sinking Base

Same diffuser as our ARS0120, however this one comes with a base that sinks on it's own.

Item # ARS0390 (5 lbs.)

OWS Dual Disc 9" Optimal Air Diffuser with Sinking Base

This unit gives you two 9" diffusers and a self sinking base.

Item # ARS0391 (11 lbs.)

OWS Four Disc 9" Optimal Air Diffuser with Sinking Base

This unit gives you four 9" diffusers and a self sinking base.

Item # ARS0450 (12 lbs.)

Aeration Connectors



OWS Hose Connectors

This kit connects multiple pieces of our 1/2" polytubing together. They can also be used with 1/2" weighted air line if you have hose clamps.

Item # ARL0034 (.05 lbs.)



OWS Hose Connector Kits

Convenient and easy-to-use, these hose connector kits help connect your 1/2" air line. This kit is designed to connect your weighted air line to polytubing or to connect multiple pieces of weighted air line together. Includes: 1 hose connector and 2 clamps.

Item # ARL0035 (.05 lbs.)

Fountains - Explain the Differences

There are several different options available when it comes to fountains for your pond or lake. Options that we manufacture include:

Aerating Fountains

These fountains range in size from 1/2hp up to 5hp in size. They are excellent for adding extra oxygen to your pond or lake while still providing some aesthetics. Our scientifically engineered foul resistant propeller pumps a large volume of water into the air through a specially designed nozzle (Carnival). This causes a large column of water to shear into millions of micro droplets exposing more water to the atmosphere. These come with and without RGB lights that are controlled with an app on your phone. For more information, go to Page 17 for the Font'N-Aire line.



Display Fountains

We manufacture two types of display fountains. They still move quite a bit of water, but are typically designed more for their looks and aesthetics instead of for providing oxygen transfer. They can help with water quality, especially in shallow ponds less than six or eight feet in depth. The first one is the Air-O-Lator display fountain available in 1/2hp thru 5hp sizes. These use a proprietary centrifugal pump that has a unique center discharge designed to keep the shaft of the submersible motor and discharge in a vertical position. These create high pressure, which creates terrific heights and displays using far less horsepower compared to other competitive fountains.



The second display fountain option is the Outdoor Water Solutions Commercial line of floating fountains. These fountains have a stainless steel frame with the highest quality Grundfos stainless steel pumps and motors on the market. A favorite of golf courses, HOA's, Parks and Municipalities, these fountains are designed to last for years and use deep water submersible pumps and motors designed to handle the toughest environments.





Air-O-Lator™ - Aerating Fountains

How it Works

The Font'N-Air fountain line has four major components

1. Float

Constructed of rugged polyethylene molded plastic with UV inhibitors and filled with non-hygroscopic pressure molded polystyrene foam.

2. Electrical Service Cable Assembly

100' (standard) of AWG# 12/4 submersible cable and a submersible quick disconnect connector which plugs into the fountain.

3. Power Drive Assembly

Mounting structure (drive structure assembly), pump/propeller, nozzle and motor.

4. Controls

24 hour time clock with multiple off/on trippers, a Franklin Electric start and run QD capacitor box, and an in-line ELCI ground fault protector with a standard 230 volt, 15 amp plug. All of the components are prewired and mounted on a 16" x 14" plate. Air-O-Lator Font'N-Air exclusively uses the Franklin Electric 600M submersible motor on all fountain lines. The water cooled and lubricated motor is specifically designed for lake and pond fountain applications and is environmentally safe.

Propeller Pump Aerating Fountain

With our scientifically engineered foul resistant propeller, pumps a large volume of water into the air through a specifically designed nozzle (Carnival). This causes a large column of water to shear into millions of micro droplets exposing more water to the atmosphere. As the aerated water returns to the parent body of water, surface turbulence is created in a 360 degree radius outward from the fountain increasing the interface of air to water, therefore transferring the atmospheric oxygen to the water.

Features

- No seals or bearing to maintain
- High speed, foul resistant propellers or impellers, provide high shear water spraying action. No lazy sprays, bubbles, or slow boil of water.
- One piece square flotation for stability to minimize any oscillation that can occur with round floats
- Water tight, removable power cable.
- 4 year Limited Warranty
- ETL listed (ANSI/UL508) control panel with time clock (adjustable in 15 minute increments), and equipment Leakage Circuit Interrupter (ELCI) (US only)
- ETL listed control panel is standard on the 2, 3 and 5hp systems. It's optional on the 1hp.
- Exclusive Franklin Electric Sand Fighter submersible motor, which implements the use of a silicon carbide mechanical sealing system



1hp-5hp Floating Aerating Fountains

Propeller Pump Units	
Standard Oxygen Transfer Rate	
1 hp	2.8lbs/O2/hr
2 hp	3.2lbs/O2/hr
3 hp	4.2lbs/O2/hr
5 hp	4.9lbs/O2/hr

Spray Patterns



Carnival - Propeller					
Model No.	FNA-.5PP	FNA-1PP	FNA-2PP	FNA-3PP	FNA-5PP
HP	1/2	1	2	3	5
Volts/Phase	110	230/1 or 3	230/1 or 3	230/1 or 3	230/1 or 3
AVG. HT. (ft)	5	8	8	9	11
AVG. DIA. (ft)	10	25	25	30	35
GPM	750	1000	1200	1400	1400

Air-O-Lator™ - Display Fountains

1/2hp Legacy Display Fountain

The Legacy display fountain is a high quality 1/2hp fountain that can work in water as shallow as 18".

Key Features

- Stainless steel Franklin Electric water cooled and lubricated motor
- Four spray patterns included
- Modular design for ease of installation and service
- Standard 100' power cord with lengths up to 250' available
- Includes 24-hour timer and ELCI
- 3 Year warranty
- Optional light kit available (2) 17-watt RGB lights with Bluetooth remote
- Impressive flow rate and height



1hp – 5hp Ready and Platinum Display Fountains

Centrifugal Pump Display Fountains

The unique center discharge pump design keeps the shaft of the submersible motor and the discharge in a vertical position. This allows the entire weight of the fountain to remain in the center of the float. This also makes the fountain easy to install and remove from the float without special mounting brackets or hardware. Our centrifugal pump design produces high pressure, which creates terrific heights and displays using far less horsepower compared to other fountains.

Optional Lighting kit

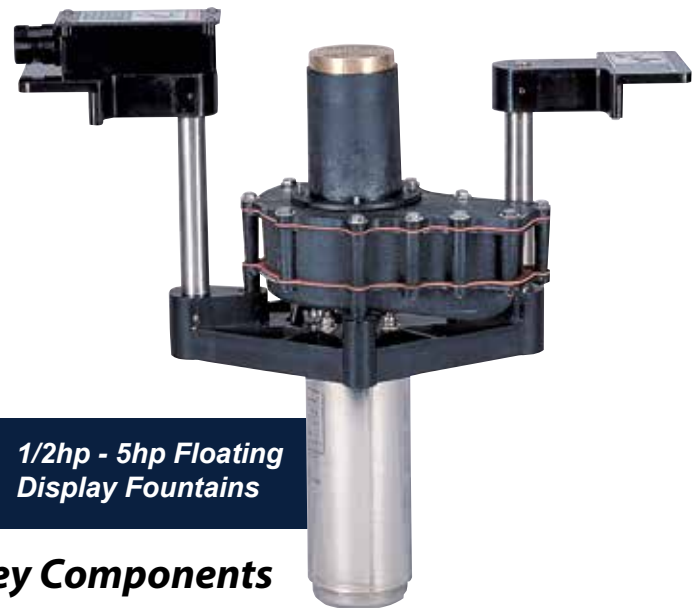


Light kit

- 10 watt LED low voltage RGB lighting kit
- Utilizes an app on your phone for color selection

Features

- Five spray patterns available
- Standard and Reduced volume options
- 24-hour time clock
- Equipment Leakage Circuit Interrupter (ELCI) (US only)
- Easy to install and maintain
- Three-year warranty



Key Components

Float - Constructed of rugged polyethylene molded plastic with UV inhibitors and filled with non-hygroscopic pressure molded polystyrene foam.

Electrical Service - Cable Assembly 12/4, 10/4, or 8/4 submersible cable and a submersible quick disconnect connector, which plugs into the fountain.

Controls - 4-hour time clock with multiple off/on trippers, a Franklin Electric start and run QD capacitor box and an in-line ELCI ground fault protector with a standard 230 volt, 15 amp plug. All components are prewired and mounted in ETL NEMA 4X Control Panel. ETL Panel optional on 1hp and standard on 2-5hp.

Spray Patterns & Performance Data



Galaxy - Centrifugal Pump				
Model No.	FNA-1CP	FNA-2CP	FNA-3CP	FNA-5CP
HP	1	2	3	5
Volts/Phase	230/1	230/1 or 3	230/1 or 3	230/1 or 3
AVG. HT. (ft)	30	32	35	39
AVG. DIA. (ft)	50	50	55	60
G.P.M.	95	116	120	136

Diana - Centrifugal Pump				
Model No.	FNA-1CP	FNA-2CP	FNA-3CP	FNA-5CP
HP	1	2	3	5
Volts/Phase	230/1	230/1 or 3	230/1 or 3	230/1 or 3
AVG. HT. (ft)	20	23	28	30
AVG. DIA. (ft)	20	23	28	30
G.P.M.	80	116	120	140

Northstar - Centrifugal Pump				
Model No.	FNA-1CP	FNA-2CP	FNA-3CP	FNA-5CP
HP	1	2	3	5
Volts/Phase	230/1	230/1 or 3	230/1 or 3	230/1 or 3
AVG. HT. (ft)	16	20	26	33
AVG. DIA. (ft)	32	36	42	50
G.P.M.	108	120	127	156

Solace - Centrifugal Pump				
Model No.	FNA-1CP	FNA-2CP	FNA-3CP	FNA-5CP
HP	1	2	3	5
Volts/Phase	230/1	230/1 or 3	230/1 or 3	230/1 or 3
AVG. HT. (ft)	14	18	20	24
AVG. DIA. (ft)	18	22	28	30
G.P.M.	108	120	127	156

Nova - Centrifugal Pump				
Model No.	FNA-1CP	FNA-2CP	FNA-3CP	FNA-5CP
HP	1	2	3	5
Volts/Phase	230/1	230/1 or 3	230/1 or 3	230/1 or 3
AVG. HT. (ft)	25	28	33	36
AVG. DIA. (ft)	N/A	N/A	N/A	N/A
G.P.M.	108	116	130	156

OWS Commercial Quality Fountains

Product Features

Pump & Motor

- Industry leading Grundfos™ submersible pump and motor
- 100% Stainless steel components
- Single phase / 230v motor
- Optional quick disconnects available
- Available in 0.75hp, 1.5hp, 2hp, 3hp, & 5hp

Control Panel

- UL listed aluminum weatherproof locking cabinet
- Digital timers for motor and lights
- Mil-Spec submersible cables (up to 300ft)

Warranty

- 4 year warranty on the pump & motor
- 3 year warranty on the floats & power cables
- 2 year warranty on the control panels & lights
- Optional quick disconnects available

Float / Frame Assembly

- High strength stainless steel frame
- HDPE floats with full UV protection
- Low profile display heads with interchangeable nozzles
- Easy access to both pump & motor for maintenance

Sterling Product Specs

Sterling			
Fountain Size	Voltage / Phase	Amps	Optional
3/4 HP	230V Single	10	(2) 27W LED
1½ HP	230V Single	12	(2) 27W LED
2 HP	230V Single	14	(4) 27W LED
3 HP	230V Single	16	(4) 27W LED
5 HP	230V Single	28	(4) 27W LED



Optional Lighting

- 27 watt White energy efficient LED light kit
- Stainless Steel housing with 6mm thick lens
- Low voltage with included timer
- 27 watt RGB color light kit available
 - RGB controller with (4) programmable channels
 - Remote with 16.7 million possible color



3/4, 1½, 2, 3, 5HP Fountains



Warranty

- 2 year warranty on lights and controllers
- 4 year warranty on pumps and motors

- 5 year warranty on flotation
- 15 year warranty on solar panels

Product Specs

Fountain Size	Dimensions	Nebula	Spectrum	Orion	Sirius	Tornado	Tornado Plus Geyser
3/4 HP	Height	15'	15'	22'	22'	15'	18'
	Width	24'	21'	32'	36'	42'	38'
1½ HP	Height	19'	19'	21'	21'	12'	16'
	Width	27'	21'	30'	32'	40'	36'
2 HP	Height	21'	20'	22'	22'	15'	18'
	Width	30'	23'	32'	36'	42'	38'
3 HP	Height	24'	22'	24'	24'	16'	21'
	Width	50'	30'	45'	40'	45'	45'
5 HP	Height	29'	29'	30'	31'	18'	26'
	Width	75'	41'	80'	81'	70'	65'

OWS Solar Fountains

Aerating Fountains

- Available in both 1/2 hp and 1 hp models
- Proprietary prop designed to maximize GPM and oxygen transfer
- Operates in only 18" of water for the 1/2hp and 24" for the 1hp
- No need for electricity - Solar powered
- Pumps up to 1,000 GPM for optimal aeration
- Everything included except mounting poles for the solar panels



Display Fountains

- Available in both 1/2hp and 1hp models
- Proprietary centrifugal pump designed for maximum display
- Operates in only 18" of water for the 1/2hp and 24" for the 1hp
- No need for electricity - Solar powered
- Choice of 5 nozzle patterns available
- 80 - 110 GPM output
- Everything included except mounting poles for the solar panels



Solar Fountain Comparisons

	1/2 hp Aerating Fountain	1 hp Aerating Fountain	1/2 hp Display Fountain	1 hp Display Fountain
OWS Name	Aerify SW Solar	Aerify SW Solar	Palatial SW Solar	Palatial SW Solar
OWS Item #	SAF106	SAF054	SDF054	SDF106
Voltage	230v	230v	230v	230v
Pump Style	Propeller	Propeller	Centrifugal Pump	Centrifugal Pump
Motor	SS Franklin Water Cooled	SS Franklin Water Cooled	SS Franklin Water Cooled	SS Franklin Water Cooled
# of Nozzles Included	1	1	1	1
# of Nozzles Available	1	1	5	5
Solar Controller	1	1	1	1
Polystyrene Filled Float	36"	36"	36"	36"
Minimum Operating Depth	18"	24"	18"	24"
Solar Panels	4 - 36v Panels	6 - 36v Panels	4 - 36v Panels	6 - 36v Panels
Minimum Total Watts	1440+ Watts	2160+ Watts	1440+ Watts	2160+ Watts
Total Panel Measurements	165" W x 77" H	245" W x 77" H	165" W x 77" H	245" W x 77" H
Standard Power Cord	100'	100'	100'	100'
Max Power Cord Length	300'	300'	300'	300'
Fountain Warranty	2 years	2 years	2 years	2 years
Solar Panel Warranty	15 years	15 years	15 years	15 years
Operating Times	Daylight Hours	Daylight Hours	Daylight Hours	Daylight Hours
Racking Included	Yes	Yes	Yes	Yes
Mounting Poles Included	No	No	No	No
GPM Rating	500	1000	40	80



Outdoor Water Solutions has further developed our Commercial line by adding a solar option. These fountains use our unique Direct Drive™ (DD) Technology and are constructed using the best pumps, motors and controllers on the market designed to operate when others will not. Through our intense product testing, we provide the most efficient technology available allowing for more run time than other systems on the market. Grid Tied Controllers (GTD) are also available for customers wanting 24/7 operation and/or light packages utilizing solar.

Benefits of Solar

- Eco friendly by operating with the sun and no batteries
- Saves money by not running power cable and paying a monthly bill
- Designed for use in off-grid applications
- Direct Drive controller allows for more run time and operates in lower light
- Grid Tied controller available for 24/7 operation and light packages

Product Features & Benefits

- Same high quality Grundfos submersible pumps and motors as our electric fountains
- Pre-cut solar mounting racks to make installation easier
- 2 year controller warranty/5 years pump & motor/5 years flotation/15 years solar panels
- Display patterns – see Page 20 for the six available options

Commercial Solar Fountain Comparisons

	3/4 HP Display Fountain	1.5 HP Display Fountain
OWS Item #	SFTN504	SFTN505
Voltage	230 v	230 v
Motor	Grundfos Submersible	Grundfos Submersible
Pump	Grundfos Submersible	Grundfos Submersible
# of Nozzles Included	1	1
# of Nozzles Available	6	6
Solar Controller	Yes	Yes
Grid Tied Controller	Available	Available
Solar Panels	6 - 36v Panels	8 - 36v Panels
Total Panel Measurements	2160+ Watts	2880+ Watts
Total Panel Measurements	245" W x 77" H	(2) 165" W x 77" H
Standard Power Cord	100'	100'
Max Power Cord	300'	300'
Racking Included	Yes	Yes
Mounting Included	No	No



Surface Aerators

Aquarian Surface Aerators



1. Flotation

Polyethylene 36" square (8" thick) for superior stability styrene foam filled

2. Diffuser

Designed to give minimum flow resistance while diverting the liquid from a vertical to a horizontal direction optimizing the dispersion of the aerated liquid into the parent body

3. Propeller

Two-blade design of 316 stainless steel precision casting offers trail-back blades for foul-resistant operation and is hydraulically and dynamically balanced for smooth operation

4. Franklin Electric Submersible Motor

- Water cooled
- Water Lubricated
- Silicon carbide mechanical seals for longer motor life
- Stainless steel construction

5. Propeller Guard (Optional)

Class B Equipment Leakage Circuit Interrupter

Each single unit is provided with an equipment leakage circuit interrupter.

How it Works

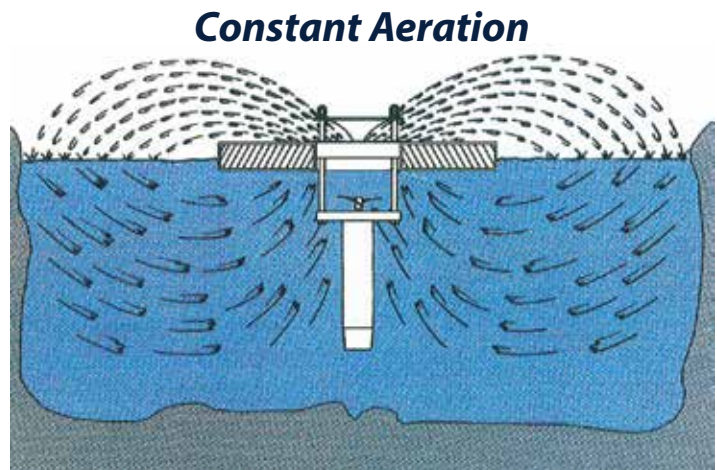
Pumpage, Aeration, and Mix

The high velocity Aquarian propeller pumps an immense column of water impacting a computer designed diffuser causing a shearing effect. This converts the water column into a highly accelerated spray pattern which obtains oxygen to the pond or lake.

Simultaneously, the immense volume of water being propelled into the atmosphere is cooler and more dense and heavier, which displaces the warmer water that is rising toward the pond or lake surface. With mixing and aeration, turnover is continuous and prevents stratification to depths up to 12 feet.

Performance Data

Part No.	HP	Volts/Phase	Ph.	Max. Amps	SOTR	GPM/LPM Rate
984AQ5115	1/2	115	1	12	2.3#	500
984AQ5230	1/2	230	1	6	2.3#	500
984AQ34230	3/4	230	3	3.3	2.3#	500
984AQ34460	3/4	460	3	1.6	2.3#	500
984AQ1230	1	230	1	9.8	3.0#	1475
984AQ152303	1.5	230	3	5.3	3.0#	1475
984AQ154603	1.5	460	3	2.6	3.0#	1475



* Max Amps: Maximum allowable service factor amperage

** SOTR: Standard Oxygen Transfer Rate

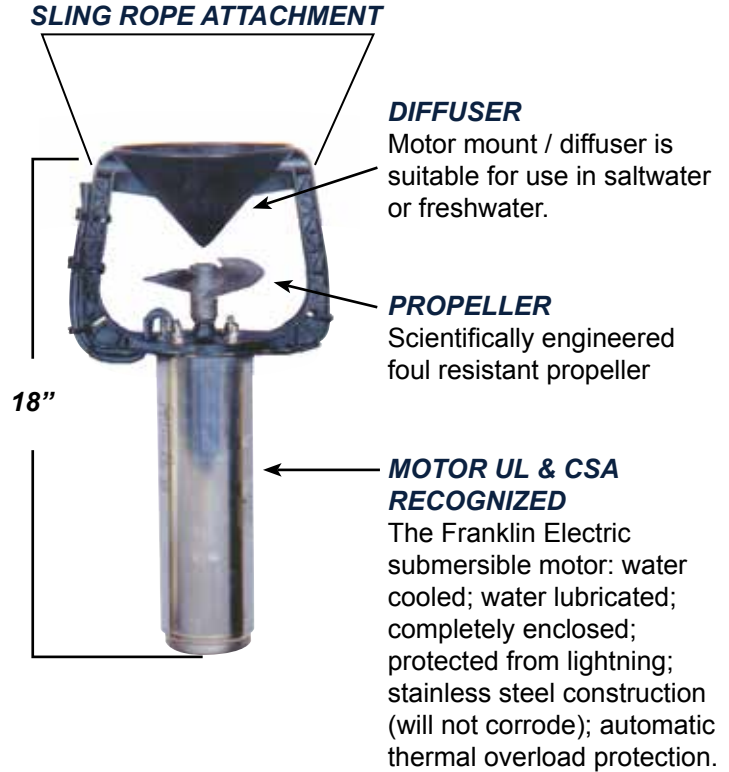
Based on tests performed by GSEE Environmental Consultants, Lavergne, TN

NOTE: Pumpage rate is the highest available per nameplate horsepower and is independently tested.

Minimum Operating Depth: 1/2 hp=18", 1 hp=24"



Ice-Away



How it works

With our scientifically engineered high speed propeller, the Ice-Away lifts 500 gallons of water per minute upward to the surface, simultaneously drawing the warmer water from below. Our uniquely designed motor mount/diffuser redirects the water flow outward creating a larger area of coverage. The Ice-Away is capable of keeping an 8 foot diameter area of open water for every foot of propeller depth. The average suspended depth is approximately 5 feet up to a maximum of 8 feet.

With the optional float, the Ice-Away can be used in ponds or lakes to keep areas open for ducks, geese, and other water fowl as well as keeping an open area preventing winter fish kills.

*Performance specifications are gained from empirical data in average conditions where usable heat in the water is adequate.

Features

- Stainless steel Franklin Electric submersible motor (water cooled, water lubricated, U.L. recognized, C.S.A. certified)
- Eco friendly motor (no oil required)
- No long shafts to bend or become out of balance: 5/8" diameter, 1-1/2" long motor shaft
- No seals or bearings to maintain

Product Item Number	Product Description
92IA511525	1/2-hp, 115-v unit comes complete w/25' Power Cable
92IA511550	1/2-hp, 115-v unit comes complete w/50' Power Cable
92IA5115100	1/2-hp, 115-v unit comes complete w/100' Power Cable
92IA523025	1/2-hp, 230-v unit comes complete w/25' Power Cable
92IA523050	1/2-hp, 230-v unit comes complete w/50' Power Cable
92IA5230100	1/2-hp, 230-v unit comes complete w/100' Power Cable

- Computer designed, high speed, foul resistant propeller
- Exclusive flow directing diffuser
- 1/2 hp, 500 gpm (available in 115-volt, 12.0 amps or 230-volt, 6.0 amps)
- (2) 10' sling ropes provided
- Limited two-year warranty
- Backed by our outstanding customer service

Fixing a Leaky Pond – Soilfloc

Having a leaky pond can be really frustrating especially if you've just spent \$30,000 building it. Some leaks require draining the pond, tearing out the dam and starting over. Most leaks are not that major and are caused by porous soils or an area that has some rock or sand in it and not much clay. We have had great luck using a product called Soilfloc™ to seal up leaks in ponds. Soilfloc is a polymer based product that is great at sealing leaks and is non-toxic, biodegradable and environmentally friendly. It consists of two parts that combine together in the pond to sink and seal cracks and fissures where water escapes. The key is that the water needs to be above the area that you think is leaking, applying the product and letting it get pulled into the leaking area. Using Soilfloc is much more cost effective than using Bentonite or a pond liner and certainly less expensive than bringing in a dozer. Soilfloc can also be used during new pond construction and will improve the soil's sealing capability.



How it Works

The product comes in two parts, Part A (linear polymer) & Part B (cross-linked polymer). To apply, evenly distribute Part A, then shortly after Part B to the water's surface. Part A will work by flocculating with sediment in the water column, becoming heavy enough to sink, and will follow the water flow to find the cracks and crevices to seal the leak. Once on the bottom, Part A will swell up to 300x its weight and clog the leaks. This part alone is enough to seal most leaks. Over the following days, Part B will continue to expand in the cracks. Acting together, the linear and cross-linked polymers will tightly seal any leaks you may have in the bed of the waterbody. Since both linear and cross-linked polymers are used, it will work help seal virtually any soil type including shale, gravel, rocky soil, and limestone.

Note: Soilfloc Sealant is not recommended for ponds under 5,000 sq. ft. unless the body of water is over 6' (feet) deep. Soilfloc also does not work with Pond Liners

SoilFloc Treatment Rate

1/4 acre pond (10,890 sq ft)	4 units of SoilFloc
1/2 acre pond (21,780 sq ft)	8 units of SoilFloc
1 acre pond (43,560 sq ft)	16 units of SoilFloc
2 acre pond (87,120 sq ft)	32 units of SoilFloc

* 1 unit includes 55 lbs of Part A and 55 lb of Part B

Before Application of Soilfloc



After Application of Soilfloc



Outdoor Water Solutions believes that most problem ponds can be fixed or “cured” over time. If your pond is 10-15+ years old or older, it may take some time because there may be a foot or even two feet of black organic matter on the bottom. All of that organic matter is releasing nutrients (phosphorous & nitrogen) because the pond is anaerobic (no oxygen). These nutrients feed your weeds and algae making them worse each year.

Adding aeration, beneficial bacteria and even pond dye can begin reversing the aging process and reduce the layer of black organic matter. On older ponds, it may take some time. The alternative is to kill the algae that’s there with an algacide, which then lets it sink back to the bottom giving you another inch or two of organic matter that causes more and more algae... We believe in using “preventative” products if possible but also carry a full line of “curative” algacides that can be used selectively for problem areas. We also sell herbicides to control tough weeds and aquatic vegetation if needed. Please consult your local state regulations for guidelines on all algacides and herbicides.

OWS Pond Pack

A complete kit of all-natural products that will jump-start your pond and help keep it clean for the whole season. Each kit is designed to treat ¼ acre of water and includes 10 lbs. of a water clarifier; 12 lbs. of bacteria in a barley-straw medium, packaged in water-soluble pouches, and 2 lake & pond dye packs – All of which are safe to fish! Multiple kits should be used for larger-size ponds. Products help break down organic matter, diminish nutrient overload, and help reduce odor to create a clean, clear pond.



Item # PSP0001 (23 lbs.)

OWS Lake & Pond Bacteria

Each pack includes 12 lbs. or 25 lbs. of bacteria in a barley-straw medium, packaged in water-soluble pouches. Our bacteria help break down organic matter, diminish nutrient overload, and help reduce odor to help create a clean, clear pond.



Spring & Summer Blend

Item # PSP0074 (12 lbs.)

Item # PSP0132 (25 lbs.)

Fall & Winter Blend

Item # PSP0308 (12 lbs.)

Item # PSP0309 (25 lbs.)

OWS Lake & Pond Muck Pellets

This is a new, highly concentrated product designed to clean up areas of much around a pond, swimming area, or dock. Contains sludge-eating bacteria, which allows you to focus on problem areas with a self-sinking, highly concentrated bacteria blend, designed to break down the muck and sludge in a specific area.

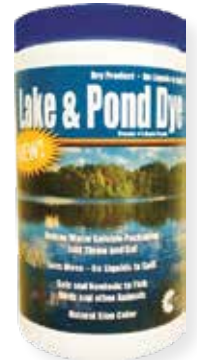


Item # PSP0150 10 lbs. Pail

Item # PSP0151 25 lbs. Pail (value-priced)

OWS Lake & Pond Dye

A high-quality proprietary blend of environmentally friendly, non-toxic, water-soluble dyes that are formulated to help maintain your pond or lake by filtering sunlight and adding an aesthetically pleasing blue color. Each packet treats a ¼-acre pond and is packed dry in a water-soluble pouch for ease of handling and less risk of spillage. Purchase multiple packs for larger bodies of water.



Item # PSP0002 (.375 lbs.)

Item # PSP0196 Twin Pack (.75 lbs.)

All-Natural Liquid Pond Dye

If you’re looking for a highly concentrated liquid dye for your ponds, we’ve got it! This product is equivalent to other companies’ ONE Gallon containers and is 4X Concentrated! Formulated to help maintain your pond or lake by filtering sunlight and adding an aesthetically pleasing color. A “must-have” to naturally keep your pond clean. Safe for recreational ponds, horses, cattle, birds, fish, wildlife and the environment.



Item # PSP0125 Pond Dye Blue 1 qt. 3 lbs.

Item # PSP0293 Pond Dye Blue 1.0 gals 10 lbs.

Item # PSP0126 Pond Dye Black 1 qt. 3 lbs.

Item # PSP0176 Pond Dye Deep Blue 1 qt. 3 lbs.

OWS Lake & Pond Clarifier

This clarifier is designed to do two things. It will tie up excess phosphorous in the water column which is a necessary nutrient for algae production and it helps tie up suspended soil particles giving you a clearer pond. This product is an alum or aluminum sulfate based product that is commonly used by water treatment plants to tie up excess nutrients and as a flocculent to remove suspended dirt particles and to reduce turbidity.



Item # PSP0134 (10 lbs.)

Aquatic Solutions Guide

Algae/Chara



Algae



Chara

Emerged Weeds



Cattails



Alligator Weed



Creeping Water Primrose



Smartweed



Phragmites



Watermeal

Floating Weeds



Water Lettuce



Duckweed



Spatterdock



Water Hyacinth



Water Shield



American Lotus

E = Excellent G = Good F = Fair

Submerged Weeds



Curly Leaf Pondweed



Eurasian Watermilfoil



Coontail



Naiad



Bladderwort



Hydrilla / Elodea



Sago Pondweed



American Pondweed

Consult the product label for specifics on application rates and timing for each product below.

	Citrine	Green Clean	Glyphosate	Reward & Weedtrine	Navigate	Fluridone	Flumigard
Algae/Chara							
Algae	E	G					F
Chara	E						
Emerged Weeds							
Alligator Weed			E	G		F	E
Purple Loosestrife			E	G			
Water Primrose			E	E		F	
Smartweed			E	G		F	
Cattails			E	G		F	
Phragmites			G				
Submerged Weeds							
Curly Leaf Pondweed				G		G	E
Sago Pondweed				G		G	E
Bladderwort				G	G	E	
Hydrilla/Elodea				G		E	E
American Pondweed				G		E	
Eurasian Watermilfoil				G	E	E	E
Naiad				E		E	F
Coontail				G	G	G-E	E
Floating Weeds							
Duckweed				G		E	E
Water Shield			E	G	G	G	
Water Hyacinth			E	G			
American Lotus			E	G	G	F	
Water Lettuce			E	G	G		E
Watermeal						F-G	E
Spatterdock			E	G	G	E	

Some products like Reward, Weedtrine and Flumigard will require re-treatment for long-term control on some weeds.

Specialty Pond Products

From time to time, you may need some additional help to control problematic aquatic weeds and even algae. The following products are some of our most recommended products and control the widest range of potential problems.



Glyphosate

This product is for use on emerged aquatic weeds and brush in aquatic and other noncrop sites. Shore-Klear Plus is effective on many species including: Alligator Weed, Cattails, Reed Canarygrass, Purple loose-strife, American Lotus, Phragmites, Spatterdock, Torpedograss, Waterhyacinth, Waterlettuce, Water Primrose, and Willows. Application rates normally range from 3.5-4.5 oz per gallon of water. 1 Gallon treats from 1 to 5 ½ acres of vegetation.

Item # PSP0202 1 Gallon 11 lbs.



Fluridone

An aquatic herbicide effective against a variety of aquatic plants; submersed, emergent, and floating (including duckweed and watermeal). Provides excellent season-long control with an early spring application prior to or just after plant growth begins. No restrictions on water use for fishing, swimming, or domestic use following application according to label instructions. Fourteen to thirty day restriction on use of treated water for irrigation following application. Application rates: Liquid: ponds - 0.16 to 1.5 quarts per acre.

Item # PSP0206 16 oz. Bottle 3 lbs.

Item # PSP0214 32 oz. Bottle 6 lbs.



Flumigard

Our #1 Choice for Watermeal Control. Flumigard aquatic herbicide eliminates invasive floating weeds and submerged weeds such as duckweed and watermeal. Flumigard herbicide treats a wide variety of algae and submerged weeds including hydrilla, Eurasian watermilfoil, curlyleaf pondweed and cabomba as well as floating plants such as duckweed, giant salvinia, water lettuce and watermeal. See results in 7-14 days with no swimming or fishing restrictions. Use Rate: 12-16 ounces per acre for surface applications. An aquatic surfactant like Cide-Kick is recommended on algae and floating weeds.

Item # PSP0363 1 lb. Container



Navigate

A granular formulation of 2,4-D which is effective on watermilfoil, water stargrass, coontail, spatterdock, water lilies, and watershield. It is very effective in control of Eurasian watermilfoil, an aggressive, exotic species found throughout the U.S. This product is not for use in waters used for irrigation, agricultural sprays, watering dairy animals, or domestic water supplies. Application rates vary from 100 pounds per acre for milfoil to a maximum of 200 pounds per acre for resistant plants such as spatterdock and watershield. Navigate pellets are effective any time susceptible weeds are actively growing.

Item # PSP0256 50 lb. Bag



Reward

A concentrated liquid aquatic herbicide effective against a wide variety of submersed, emergent, and floating aquatic plants including duckweed, naiads, and cattails. Reward poses virtually no environmental risk in aquatic applications because the herbicide concentration rapidly decreases as it is absorbed onto soil, vegetation, and organic matter. Restrictions on water usage following application: livestock consumption - 1 day, irrigation of food crops - 5 days, irrigation of turf and non-food crops- 1-3 days, human drinking - 1-3 days. The product of choice when fishing restrictions are not tolerable. Application rates: 1 to 2 gallons per surface acre.

Item # PSP0205 1 Gallon 11 lbs.



Weedtrine-D

A non-volatile herbicide for use in controlling submersed and floating aquatic weeds. It is also recommended for top kill of shoreline emergent weeds and as a grass and broadleaf weed growth killer in non-crop or non-planted areas. Absorption and herbicidal action of Weedtrine D is usually quite rapid with effects visible in a few days. Application rates are 5-10 gallons per surface acre. Water should not be used for irrigation or domestic use for 5 days following treatment.

Item # PSP0204 1 Gallon 11 lbs.

Algae & Weed Control

Green Clean



GreenClean is a granular peroxide based product. The mode of action is oxidation, which provides immediate control of algae, and it releases oxygen as it works.

GreenClean is one of the only non-copper based algaecides currently on the market. GreenClean can be applied by broadcasting, as a dissolved liquid, or as a subsurface application. Application rates range from 3-170 pounds per acre-foot depending on the amount of algae growth.

Item # PSP0216 8 lb. Pail
Item # PSP0209 50 lb. Pail

Cutrine Plus Algaecide



A 9% chelated copper algaecide for use in lakes, potable water reservoirs, farm ponds, fish and industrial ponds, fish hatcheries and raceways, crop and non-crop irrigation conveyance systems, ditches, canals, and laterals. Cutrine Plus under field conditions, is effective in controlling a broad range of algae including Chara, Spirogyra, Cladophora, Vaucheria, Ulothrix, Microcystis, and Oscillatoria. Effective in hard water. Treated water may be used for swimming, fishing, drinking, livestock watering, or irrigation immediately after treatment.

Application rates range from 0.6 to 1.2 gallons per acre foot of water treated.

Item # PSP0207 1 Gallon 12 lbs.

Cide-Kick Aquatic Surfactant



A non-ionic, water soluble, low viscosity, biodegradable wetting agent and activator. Helps break down waxy leaf cuticle for more effective herbicide uptake. Use with Rodeo, Reward, 2,4-D, and other herbicides for spraying emergent vegetation. Mix with algaecides for better control of tough algae species.

Item # PSP0210 1 Quart 3 lbs.



Cutrine Granular

A 3.7% granular chelated copper algaecide ideally suited for treatment of bottom growing algae including Chara and Nitella and spot treatments along docks, beaches, boat launches, and fishing areas. This formulation helps control growth before it reaches the surface. Cutrine Plus Granular is registered for use in lakes, potable water reservoirs, farm and fish ponds, fish hatcheries, and golf course water hazards. Treated water may be used for swimming, fishing, drinking, livestock watering, or irrigation immediately after treatment. Spread as evenly as possible over treatment area at a rate of 1 pound per 750 square feet or 60 pounds per surface acre.

Item # PSP0215 12lbs.

OWS Heavy Duty Lake & Beach Rake



The Outdoor Water Solutions Lake & Beach Rake is a great tool for removing algae, muck, leaves, sticks and other items from your pond or lake. This 36" wide aluminum rake comes with a 11' two piece rust proof, powder coated handle, detachable float and a 50' length of polypropylene rope. Great for skimming floating aquatic vegetation and algae from the water. You can also shorten the handle and remove the float, giving you a high quality landscaping rake, excellent for dressing beach sand and shore edges. Optional 66" extension kit available.

Item # PSP0212 7 lbs.
Item # PSP0213 66" Extension Kit 4 lbs.

OWS Heavy Duty Aquatic Weed Cutter



The Outdoor Water Solutions Heavy Duty Weed Cutter is great for mechanical removal of weeds both in and around your pond. This 28" double-sided serrated weed cutter comes with a 2 piece rust proof, powder coated 11' long aluminum handle and has an aluminum frame. Use it to cut floating aquatic weeds and vegetation along the edges of your pond. Also works great on cattails and phragmites. This is the best weed cutter on the market! Optional 66" extension kit available.

Item # PSP0211 8 lbs.
Item # PSP0213 66" Extension Kit 4 lbs.

Texas Hunter



Grow bigger fish faster with an effective fish feeding strategy utilizing a reliable fish feeder to accurately dispense the feed. Full of great features, Texas Hunter feeders are well known for their quality and performance.

- Powered by dual motors, one to release the feed and the other to throw it, this feeder shoots fish food out in a high velocity sheet of air in a 20' W x 45' wedge shaped pattern.
- Feeds 1 to 9 times a day at up to 60 seconds per feeding.
- Two feed level sight gauges make it easy to check feed.
- Rechargeable 12v battery with optional 2 watt solar charger.
- 5 year limited warranty.

Fish Feeder Options

- 70 lbs. Item FDR0625: Straight legs
- 70 lbs. Item FDR0626: Adjustable legs
- 175 lbs. Item FDR0627: Straight legs
- 175 lbs. Item FDR0628: Adjustable legs
- 250 lbs. Item FDR0631: Straight legs
- 250 lbs. Item FDR0632: Adjustable legs

Solar Panel Charger for Texas Hunter Feeders

- Heavy duty 2 watt power supply
- Mounts on any side of the feeder to maximize the sun's energy
- Built in protection to prevent battery drainage
- Mounting bracket with powder coated finish
- Pre-drilled for quick installation on any Texas Hunter feeder



Item # FDR0634 – 2 Watt Solar Charger

Bug Light Fish Feeder



Fluorescent light attracts bugs and the high speed fan knocks them into the water. What a great low cost way to feed your fish for free.

Item # FDR0292

Texas Avenger Fish Feeder



- Single base for both shore and dock mounting.
- Base tilts up to 45° for optimal feeding.
- Base also swivels 180°.
- Single stage motor for simplicity.
- 100lb. feed capacity.
- Includes 5 watt solar panel and battery.

Item # FDR0482

Fish Attractors

Ideal for providing sanctuary for your fish, these fish attractors come in a variety of designs and shapes to increase survival rates and living conditions. All attractors can hang from a dock or sink to the bottom of a pond, are easy to assemble, and are manufactured in the U.S.A. Additional fish attractor options and information can be found on our website at outdoorwatersolutions.com

Root Wad Fish Attractor



Ideal for providing shallow water habitat, the Root Wad creates shoreline sanctuary for fry and baitfish while providing ambush structure for cruising sport fish.

Item #FAT0375

Trophy Tree Fish Attractor



The open spacing of the Trophy Tree provides plenty of interstitial space for sport fish to capitalize on their opportunistic nature and ambush prey. The Trophy Tree is most effective when placed near a Root Wad or Safe Haven as it is the perfect combination of attraction and protection.

Item #FAT0475

Safe Haven Fish Attractor



The Safe Haven is designed for slightly deeper applications. Increase survival rates in your lake or pond by providing both shallow and deep water sanctuary for your fry and baitfish. The condensed-limb pattern creates safe zones for smaller fish, shade, and ambush cover for sport fish.

Item #FAT0474

Other Lake & Pond Products

Geese Away

Canada Geese settle on golf courses, private ponds, and commercial retention ponds and remain only to create a nuisance. Each goose drops two to four pounds of excrement daily and creates tremendous noise.

AwayWithGeese will have an immediate impact on non-nesting geese. Unfortunately, there will be a delayed impact on nesting adults with goslings. If you are not satisfied with product performance after 90 days of use, then, Outdoor Water Solutions will authorize the return of the product for a full refund. AwayWithGeese is warranted against defects in material and workmanship for 2 years from date of purchase.

Features include:

- Disrupts geese sleep patterns causing them to move to another pond.
- The product works at night, 7 days a week.
- Solar power recharges batteries - no changing batteries or running electricity to the site.
- Maintenance free
- Environmentally safe and effective
- Amber light barely noticeable to humans and pets
- Solves Geese Problems quickly

Works on line of sight for effective coverage up to 75 yds from placement. (Over 3 ½ acres).

Land Based Unit



Item # LNG0267 (6 lbs.)

Water Based Unit



Item # LNG0266 (6 lbs.)

Fish & Turtle Traps

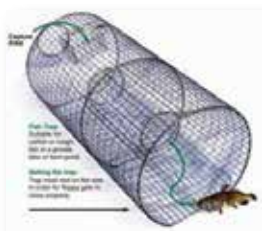
Turtle Traps

A high quality sunbathing turtle trap with an aluminum frame that ensnares turtles as they try to sun themselves. This sturdy trap stays afloat by using watertight floats mounted on both sides of the trap. Once deployed, turtles will walk onto the ramp and then fall into the escape proof cage. Easy to use and set up and works year after year. No bait required.

Item #TRP0328



Catfish Traps



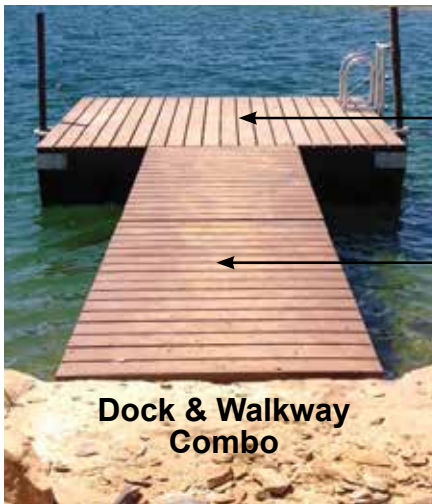
The new Outdoor Water Solutions catfish traps are in! This trap uses high grade galvanized wire, not found in other brands, and is able to stand up to the toughest catfish while also resisting the harshest of environmental conditions. Comes completely rust and maintenance free. This unique trap catches catfish by baiting them into a three door system that prevents them from escaping. Any type of catfish bait placed in a cheesecloth or pantyhose works. **Item #TRP0329**

Baitfish Trap

The Outdoor Water Solutions Perch Trap is designed to catch any type of bait fish or perch you need. Using a system not unlike our Catfish Trap, the Perch trap catches inbound fish in a two funnels on either side! Once in, fish cannot get out due to a unique resealing entrance that prevents them from escaping. Baiting the trap consists of using simple bread crumbs or cornmeal inside of pantyhose. **Item #TRP0331**



Do It Yourself (DIY) Dock Packages



**Dock & Walkway
Combo**

**10' x 10' Dock or
Swim Platform**

Item # DOK0258 (340 lbs.)

4'x8' Walkway

Item # DOK0259 (180 lbs.)

**4 Step Aluminum
Lift Ladder**

Item # DOK0484



If you don't mind doing a little construction, you can save a lot of money and yet get a great looking dock that will last for years. We have designed several simple and fun to build dock packages that are very functional and appealing. We supply everything but the wood.

Our swim platform can be built to measure 10' x 10' or 12' x 12'. The plans and hardware are the same, the only difference is in the length of boards you purchase locally.

Our walkways are 4' wide but can be 8', 10' or 12' long. Again, the hardware is the same, the difference is in the length of boards you use.

As far as lumber goes, most people will use pressure treated joists or runners and pressure treated or composite deck boards.

Each kit includes:

- High quality rotation molded floats filled with expanded polystyrene for optimum flotation
- Hot dipped galvanized and stainless steel connectors for long life
- Hinge connectors so everything pivots as the water table goes up or down.
- Set of plans for installation

Shoreline Accessory Kit



This Shoreline Accessory Kit gives you all hardware necessary to connect your Gangway into the shoreline using a 6" x 6" post or a 6" or 8" pressure treated board attached to two posts.

"There are many ways to tie your gangway into the shoreline, but this seems to work well."

(Item # DOK0237)

Gangway Accessory Kit



You'll need this Kit (extra floats + mounting hardware) if you're purchasing multiple gangways and connecting them to get your dock further out into your pond or lake.

For gangway's longer than 8', you will need additional floats.

For 8' connector gangways, we recommend two floats total (one with the 4' x 8' gangway and a second with the accessory kit). Add one additional Gangway Accessory Kit for each 4' of gangway length.

(Item # DOK0326)

Outdoor Water Solutions



Notes:



Ver. 2023-1

Outdoor Water Solutions
1856 Fed X Drive
Springdale, AR 72764

A photograph of a pond with a central fountain. The fountain has a tall, thin central jet and several shorter, wider jets on either side. The background is filled with dense, vibrant green trees, including a prominent weeping willow tree on the right. The water in the pond is calm and reflects the surrounding greenery.

***Natural Solutions
for Outdoor Water***