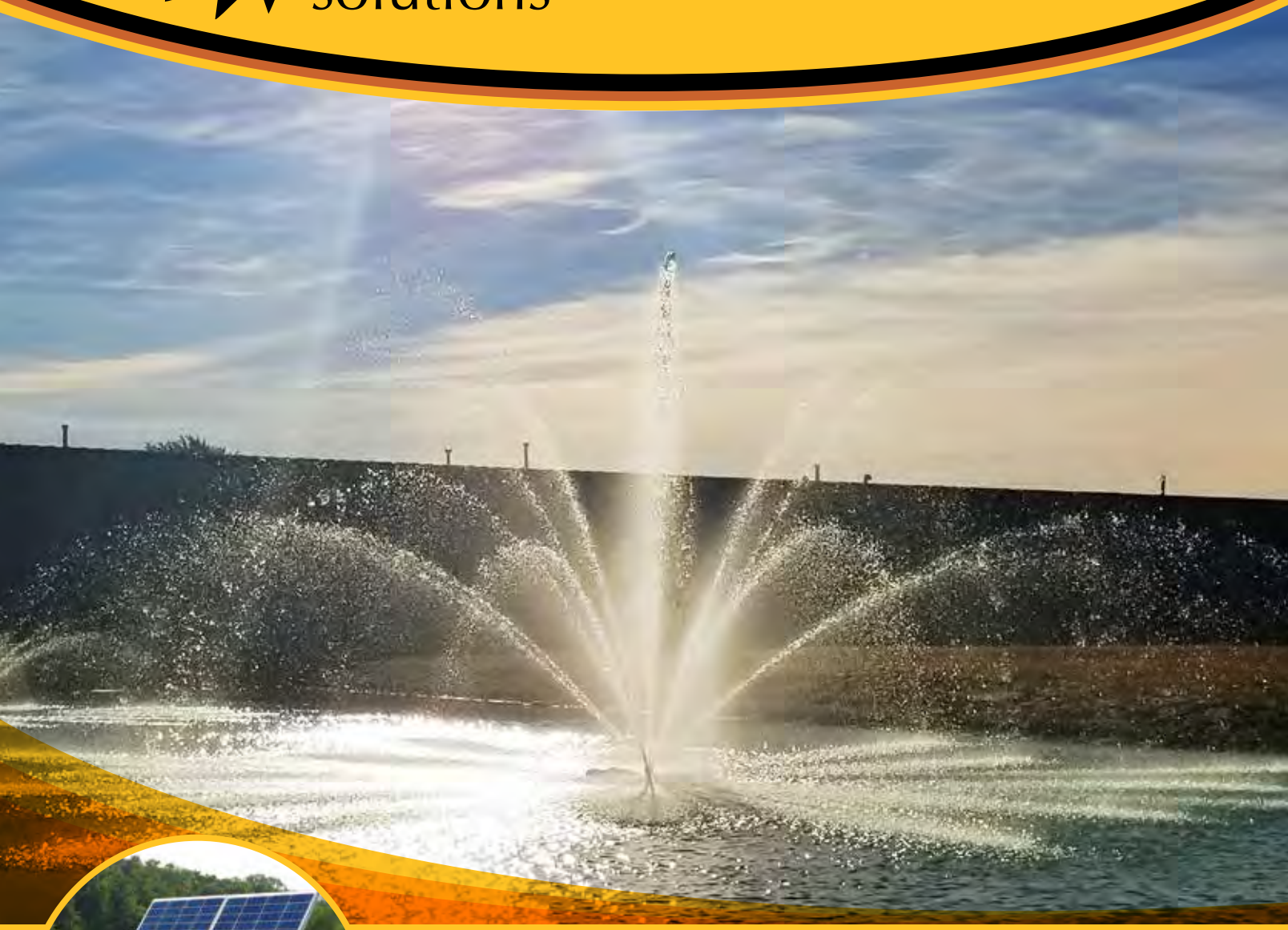
Outdoor water solutions™

Aeration and Pond Maintenance Products



- Fountains – Electric & Solar
- Aeration – Electric, Solar & Wind
- Algae & Weed Control Products
- Microbes and Pond Dyes
- Fish Feeders & Fish Food
- Docks & Other Pond Products

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Introduction

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.

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"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

"On behalf of the Haitian brothers we serve, including my wife and I, we would like to extend our appreciation for your support in the process of executing our work in Haiti. We know that there are still many challenges ahead of our mission, but as long as our Lord continues to bless us by bringing people like you on our path, our success will be imminent!"
Richard Yepez
Haitilapia, LLC

"My little windmill is doing a great job of aerating and now keeping a hole open in the ice of 2 ponds at one time. So far it is exceeding my expectations."
Fred Minnich
Forest, IN

"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

outdoor water solutions

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

Aeration Options

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 close to the pond. Most ponds do not have to be aerated continuously and benefit greatly from aeration 8 to 12 hours a day so wind, solar or a combination of the two works great. You can also combine wind or solar with an electric aerator using our control box so you only run the electric aerator when needed.

Bottom Diffused Aeration:

- Wind Driven Aeration
- Solar Aeration
- Electric Aerators

These three options offer bottom diffused aeration which is preferred for most ponds. These systems work by forcing air up from the bottom of the pond and circulating the whole body of water.

Shallow Aeration:

- Fountains
- DD Solar Aerators

Fountains can help add oxygen to ponds, especially ponds that are less than 6’ deep.” Many customers combine bottom diffused aeration with a fountain to get both aesthetics and full pond aeration.

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.

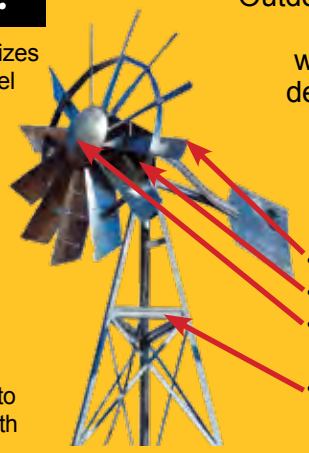
A – OWS Aeration Windmill
B – Polytubing Air Line
C – Diffuser Airstone
D – Optional: Tower Hinges
E – Optional: Weighted Air Line
F – Optional: Airstone Housing Bucket
G – Optional: Airstone Marker

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

*See pages 12-13 for optional aeration accessory items.

About the OWS Windmill:

- New "BalCam II" technology minimizes bearing fatigue using Stainless Steel Components
- Patent pending new design
- 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

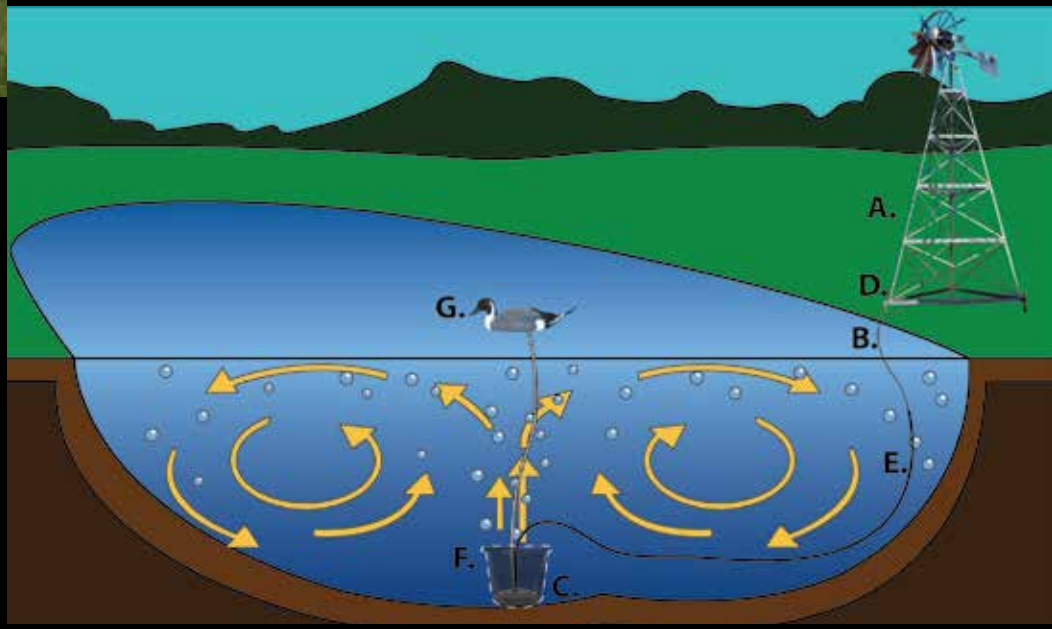


Outdoor Water Solutions has streamlined wind-driven aeration design & technology!

- 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 3-5 mph 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:



OWS Windmills

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.

Tower Options:

Every Aeration windmill that Outdoor Water Solutions sells has the same windmill head. We use the same blades, hub assembly, compressor, tail arms, and tail fins on all of our windmills. The only difference between the windmills shown here are the towers.

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
AWS0139	24'	Functional	Galvanized
AWS0179	24'	Functional – Deluxe	Galvanized

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

20' Windmill & Electric Aerator Combo Package

If you're looking to aerate 24 hours a day and still take advantage of the wind, then this is the package for you. It includes our 20' Deluxe Windmill with all accessories, an AerMaster 1/4 HP Electric Aerator, and a control box to fully regulate the system.

Item# AWS0127 (480 lbs.)

OWS Windmills

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 Deluxe Aeration Windmill

Each functional windmill includes the windmill head, BalCam II Compressor tower, 100' of ½" polytubing, 1 Airstone and 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 backflow valves
- (3) Hose Connectors
- (1) Pair of OWS Tower Hinges
- (1) 2-Way Selector Valve
- (2) Airstone Housing Buckets with Rope
- (2) Duck Decoy Markers

20' OWS 3 Legged Deluxe AWS0049 (348 lbs.)
24' OWS 3 Legged Deluxe AWS0179 (388 lbs.)
20' OWS 4 Legged Deluxe AWS0181 (400 lbs.)
24' OWS 4 Legged Deluxe AWS0197 (466 lbs.)

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.)

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***

Powder Coated Windmills

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.

- Magnets Will Adhere to Metal Tail-Fin
- Several Different Height Options
- Top-Quality UV-Protective Powder Coating
- Made in the USA

OWS Powder Coat Windmills

Standard Powder Coat Colors

Green | Yellow | Bronze

Black | White | Red

Blue | Forest Green

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
Blue & White
PCW0138 (276 lbs.)

20' Traditional Tower
Forest Green
PCW0090 (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 business 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.

PCW0091 (276 lbs.)

* All powder coated windmill systems on this page include: Tower, Windmill Head, 100' of ½" polytubing, 50' of ½" Weighted Air Line, 1 Diffuser Airstone, Footvalve, Tower Hinges, Airstone Housing Bucket, 1 Duck Decoy Marker, Hose Connector, and a Personalized Tail-Fin.

Solar Aerators

AerMaster Direct Drive™ Solar Aerators For Ponds Less than 12' in Depth

Outdoor Water Solutions has developed a new line of affordable, high efficiency solar aerators. Available with and without accessories and in multiple configurations, we offer several different options to meet your aeration need, all with "Direct Drive" DD™ technology. Each system comes with high efficiency solar panels that when combined with our high performance DD Solar controller modules aerate for more hours per day than other competitive models on the market. Battery Free operation. We have eliminated the expense of rechargeable batteries and charge controllers by offering a direct drive (DD) aeration system. This reduces your cost along with the maintenance issues associated with extra components.

Solar Panels & Mounting Hardware
- Upgraded high efficiency solar panels.
- Solar modules are designed specifically for use in OFF GRID applications.
- Pre-cut, pre-drilled mounting frames to connect 2 panels in parallel.
- High quality adjustable angle mounting bracket with powder coat finish.
- Includes quick cable disconnects to make assembly much easier.
- Includes a 5' Galvanized steel mounting pole with instructions.

Tubing & Diffusers
- High quality ½" ID weighted airline guaranteed to sink to the bottom of your pond.
- Low psi rubber Optimal™ Air diffusers with stainless steel hardware and a self-sinking base.

Compressors
- Outdoor Water Solutions DD DC solar compressor rated at 2.8 CFM.
- Aerates ponds up to 12' deep with its vertical piston design.

Aeration Cabinet
- Powder coated aluminum cabinet with secure locking system.
- 2 high efficiency DC fans.
- Mounting feet and optional pad.
- Solar disconnect provided for safety purposes when working on the unit.
- System includes a pressure gauge and high quality Pressure Relief Valve.

Accessories & Warranty
- Optional noise reduction kit available.
- 2 Year warranty on compressors and electrical components.
- 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 Direct Drive Solar Aerators	DD Solar 1	DD Solar 2	DD Solar 3	DD Solar 4	DD Solar 5	DD Solar 6	DD Solar 7 Combo	DD Solar 8 Combo
Item #	SOL0350	SOL0351	SOL0352	SOL0353	SOL0354	SOL0355	SOL0347	SOL0374
Recommended Pond Size	Up to 3/4A	Up to 3/4A	Up to 1.5A	Up to 1.5A	Up to 3A	Up to 3A	Up to 1.5A	Up to 2A
DC DD Solar Compressor rated at 2.8 CFM	1	1	1	1	2	2	1	1
AC RP Compressor rated at 2.2 CFM at 10' of depth	0	0	0	0	0	0	1	1
Powder Coated Aluminum Cabinet	1	1	1	1	1	1	1	1
Cooling Fans with Guards	1	1	1	1	2	2	2	2
# of Valves & 14" Airline	1	1	2	2	4	4	1	2
Monocrystalline Solar Panels	2	2	2	2	2	2	2	2
Aluminum frame with Adjustable Mount	1	1	1	1	1	1	1	1
Galvanized Mounting Pole	1	1	1	1	1	1	1	1
Pressure Relief Valve	1	1	1	1	2	2	2	2
Liquid Filled Pressure Gauge	0	1	1	1	2	2	1	1
Rolls of 100' of Weighted Airline	0	1	2	0	4	0	1	2
Double Disc Diffuser	0	1	2	0	4	0	1	2

Solar Aerators

AerMaster Direct Drive™ Solar Aerators For Ponds Less than 12' in Depth

DD Solar 2

Aerates Ponds up to ¾ Acre

Includes:
- 2.8 CFM DD Solar Compressor
- Powder Coated Aluminum Cabinet
- 100' of Weighted Airline
- 1 Double Disc Optimal™ Air Diffuser with Self Sinking Base
- 2 High Efficiency Solar Panels
- 1 Adjustable Flow Valve with1 Airline
- 2 Cooling Fans, a Pressure Gauge and Pressure Relief Valve
- Aluminum Mounting Frame with Angle Adjuster and Mounting Pole

DD Solar 5

Aerates Ponds up to 3.0 Acres

Includes:
- 5.6 CFM DD Solar Compressor(s)
- Powder Coated Aluminum Cabinet
- 400' of Weighted Airline
- 4 Double Disc Optimal Air Diffusers with Self Sinking Base
- 2 High Efficiency Solar Panels
- 4 Adjustable Flow Valves with 4 Airlines
- 2 Cooling Fans, 2 Pressure Gauges and 2 Pressure Relief Valves
- Aluminum Mounting Frame with Angle Adjuster and Mounting Pole

DD Solar 3

Aerates Ponds up to 1.5 Acres

Includes:
- 2.8 CFM DD Solar Compressor
- Powder Coated Aluminum Cabinet
- 200' of Weighted Airline
- 2 Double Disc Optimal Air Diffusers with Self Sinking Base
- 2 High Efficiency Solar Panels
- 2 Adjustable Flow Valves with 2 Airlines
- 2 Cooling Fans, a Pressure Gauge and Pressure Relief Valve
- Aluminum Mounting Frame with Angle Adjuster and Mounting Pole

DD Solar 7 Combo

Aerates Ponds up to 1.5 Acres

Includes:
- 2.8 CFM DD Solar Compressor
- 3.25 CFM AC Quantum™ Compressor
- Powder Coated Aluminum Cabinet
- 100' of Weighted Airline
- 1 Double Disc Optimal Air Diffusers with Self Sinking Base
- 2 High Efficiency Solar Panels
- 1 Adjustable Flow Valve with 1 Airline
- 2 Cooling Fans, 1 Pressure Gauge and 2 Pressure Relief Valves
- Aluminum Mounting Frame with Angle Adjuster and Mounting Pole

DD Solar 8 Combo

Aerates Ponds up to 2.0 Acres

Includes:
- 2.8 CFM DD Solar Compressor
- 3.25 CFM AC Quantum Compressor
- Powder Coated Aluminum Cabinet
- 200' of Weighted Airline
- 2 Double Disc Optimal Air Diffusers with Self Sinking Base
- 2 High Efficiency Solar Panels
- 2 Adjustable Flow Valves with 2 Airlines
- 2 Cooling Fans, 1 Pressure Gauge and 2 Pressure Relief Valves
- Aluminum Mounting Frame with Angle Adjuster and Mounting Pole

DD Solar 7 & 8 Combo Units

These systems use solar energy to aerate during the day and 115v electric to aerate at night. This gives you 24/7 aeration while saving you money on electricity. Using our innovative controllers, this system will turn itself on and off electronically whenever there isn't enough sunlight to power the unit.

Optional Sound Kit

Includes:
- Cabinet Insulation
- Mounting Pad
- Fan Suppressor Cover

Item # SAP0423

Classic DW™ (Deep Water) Solar Aerators

Classic ™ Solar 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. ½" 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	Classic 1	Classic 2	Classic 3	Classic 4	Classic 5	Classic 6	Classic 7	Classic 8	Classic 9
Item #	CSA616	CSA617	CSA618	CSA619	CSA620	CSA621	CSA622	CSA623	CSA624
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	2	1	2	3	2	3	4	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 Diffusers	0	1	2	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

Classic 6

Classic 2

Classic 8

Battery Backup Solar Aeration Systems

Unique Features:

- These models include two to four batteries and a charge controller so that you can aerate at night or during extended periods of poor weather.
- Up to 3 days of battery life and designed to operate 20 hours a day.
- Each system comes complete with a high efficiency solar panel(s), charge control system, energy efficient compressor, programmable digital timer and a fully adjustable aluminum manifold housed in an attractive 100% recycled plastic cabinet.
- Duraplate diffusers are self-cleaning, self-weighted and fishhook resistant.
- 24 month warranty on defects in material and workmanship.

Models Available:

Specifications

Cabinet & Compressor

- 24V EcoFlow compressors.
- 24V high efficiency solar panels with top-pole mount.
- Programmable digital timer.
- Charge control system included.
- Battery back up for night or extended bad weather operation.
- 37 CFM cooling blower.

Tubing & Diffusers

- Self-weighted tubing to sink to the bottom of your pond.
- Self-cleaning, non-clogging diffusers with a lifetime warranty.

System Components - Battery Backup Solar Aerators	SB-1B	SB-2B	SB-3B	SB-4B
Compressors	1	1	2	2
Charge Control System	1	1	1	1
Solar Panels	1	1	2	2
100' of Weighted Airline	1	2	3	4
Duraplate Diffusers	1	2	3	4
Batteries	2	2	4	4
Timer	1	1	1	1

Electric Aerators

2 Year Warranty on all Compressors!

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.

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

OWS AerMaster LD 1.5 Aeration System

Aerates ponds up to 8' in depth and ½ acre in size. Unit produces 1.5 CFM at 8' of depth. Great for when you need an energy efficient way to aerate your pond 24 hours a day. UL approved for outdoor use. .5 amp draw makes this aerator very affordable. 2 year warranty.

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
- Great for Small Ponds, Koi Ponds, Septic Tanks and Rural Lagoons

Item # EAU0047 (18.5 lbs.)

Aerates Ponds up to ½ Acre Max Depth of 8'

OWS AerMaster LD 4.0 Aeration System

Aerates ponds up to 10' deep and 1 acre in size. Unit produces 4.0 CFM at 8' of depth. This aerator comes with 2 diffusers and 200' of weighted airline making it a great product for the price. UL approved for outdoor use. Unit only draws 1.0 amp of electricity and includes a 2 year warranty.

Includes:

- Electric Aerator rated at 4.0 CFM @ 8' of depth
- 100' of ½" Non-Weighted Airline
- 200' of ⅜" Weighted Airline
- 2 Airstone Diffusers with Backflow Valve
- 2 Way Selector Valve
- 2 Airstone Housing Buckets
- 2 Duck Decoy Markers

Item # EAU0183 (129.0 lbs.)

Aerates Ponds up to 1 Acre Max Depth of 10'

OWS AerMaster LD 7.0 Aeration System

Aerates ponds up to 10' deep and 1.5 acres in size. Unit produces 7.0 CFM at 8' of depth. This aerator comes with 3 Optimal™ Air rubber membrane diffusers in an attractive base that sits on the bottom of your pond or lake. UL approved for outdoor use. Unit only draws 2.2 amps of electricity and includes a 2 year warranty.

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.)

Aerates Ponds up to 1½ Acres Max Depth of 10'

OWS Powder Coated Aluminum Aeration Cabinet

Each of the three AerMaster LD Aerators are UL approved for outdoor use but will last longer if put inside of an all weather enclosure. Our Aluminum cabinets are powder coated for a long, rust-free life. Each cabinet comes with a circulation fan to keep the aerator cool and a 115V plug in for added safety. We also use a high quality lock so that you can secure your aerator from both theft and vandalism.

Includes:

- Powder Coated Aluminum Cabinet
- 220 CFM Circulating Fans
- 115V Outlet
- Lock with Key
- Great for Protecting any of the Shallow Pond Aerators from rain, snow and the elements

Item # EAU199 (35 lbs.)

Electric Aerators

3 Year Warranty on Deep Pond Compressors!

Deep Pond Systems (Ponds Over 8' Deep)

OWS AerMaster Pro 2

Aerates Ponds up to 1.5 Acres

Includes:
- ¼ HP Quantum Compressor
- Powder Coated Aluminum Cabinet
- 220 CFM Circulating Fans
- 115V Outlet
- 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.)

OWS AerMaster Pro 3

Aerates Ponds up to 1.5 Acres

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.)

OWS AerMaster Pro 5

Aerates Ponds up to 2 Acres

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 Single Disc low psi Air Stations
- Pressure Relief Valve
- Oil Filled Pressure Gauge

Item # EAU0189 (115 lbs.)

OWS AerMaster Pro 6

Aerates Ponds up to 2.5 Acres

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.)

OWS AerMaster Pro 8

Aerates Ponds up to 2.5 Acres

Includes:
- ¾ HP Quantum Compressor
- Powder Coated Aluminum Cabinet
- 220 CFM Circulating Fans
- 6.0 CFM at 10' of depth
- 2 Valve Manifold with 2 Adjustable Valves
- 300' of 3/8" Weighted Airline
- 2 Double Disc low psi Air Stations
- Pressure Relief Valve
- Oil Filled Pressure Gauge

Item # EAU0192 (175 lbs.)

OWS AerMaster Pro 9

Aerates Ponds up to 3-4 Acres

Includes:
- ¾ HP Quantum Compressor
- Powder Coated Aluminum Cabinet
- 220 CFM Circulating Fans
- 115V Outlet
- 6.0 CFM at 10' of depth
- 3 Port Manifold With 3 Adjustable Valves
- 3 Double Disc low psi Air Stations
- Pressure Relief Valve
- Oil Filled Pressure Gauge
- Airline Sold Separately

Item # EAU0193 (90 lbs.)

OWS AerMaster Pro 10

Aerates Ponds up to 5 Acres

Includes:
- ¾ HP Quantum Compressor
- Powder Coated Aluminum Cabinet
- 220 CFM Circulating Fans
- 115V Outlet
- 6.0 CFM at 10' of depth
- 3 Port Manifold With 3 Adjustable Valves
- 3 Four Membrane Self Sinking Optimal™ Air Diffusers
- Pressure Relief Valve
- Oil Filled Pressure Gauge
- 500' Spool ½" Weighted Airline

Item # EAU0485 (415 lbs.)

OWS AerMaster Pro 11

Aerates Ponds up to 10 Acres

Includes:
- (2) ¾ HP Quantum Compressors
- Powder Coated Aluminum Cabinet
- 470 CFM Circulating Fans
- 12.0 CFM at 10' of depth
- 6 Port Manifold With Adjustable Valves
- 6 Double Membrane Self Sinking Optimal™ Air Diffusers
- Pressure Relief Valve
- Oil Filled Pressure Gauge
- Airline Sold Separately

Item # EAU0490 (125 lbs.)

Available in Both 110v and 220v Models

Aeration Accessories

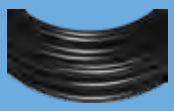
Accessories are designed to support the OWS windmills. We designed the OWS windmill kits with the basic aeration needs. We recommend the addition of tower hinges and weighted air line to enhance the installation and windmill operation, allowing you to determine your individual accessory needs. We offer a complete range of replacement parts for the OWS windmills and a wide range of universal parts to fit other companies' aeration windmills.

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.
⅜" Polytubing	ARL0020	100'	4 lbs.
½" Polytubing	ARL0030	100'	4.5 lbs.
½" 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.
⅜" Weighted Air Line	ARL0019	50'	11 lbs.
⅜" Weighted Air Line	ARL0201	100'	22 lbs
⅜" Weighted Air Line (value)	ARL0217	500'	125 lbs
½" Weighted Air Line	ARL0032	50'	23.5 lbs.
½" Weighted Air Line	ARL0033	100'	47 lbs.
½" Weighted Air Line (value)	ARL0073	500'	235 lbs.
⅝" 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 # ARL0119 100' roll of ½" Aeration Tubing (23 lbs)
Item # ARL0310 50' roll of ½" Ice Melt Tubing (12 lbs)
Item # ARL0311 100' roll of ½" Ice Melt Tubing (23 lbs)

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 ½" 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.)

OWS 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. Comes with a backflow valve. Rated for up to 5 CFM and perfect for ponds, especially where you're only running one diffuser.
Item # ARS0120 (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.)

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, so your air line sinks to the bottom of your pond, 1 airstone housing bucket, 1 duck decoy marker, and hose connectors.

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, so your air line sinks to the bottom of your pond, 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.

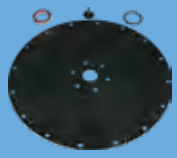
Aeration Accessories

OWS Tower Hinges
If you choose only one accessory for your windmill, this would be it. 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 Hose Connectors
This kit connects multiple pieces of our ½" polytubing together. They can also be used with ½" 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 ½" 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.)

OWS Windmill Head Pivot Bearing
Are you in a lower wind area or do you have trees and buildings closer to your windmill than you would like? Our windmill head pivot bearing is a quick install and allows your windmill head to turn into the wind at lower wind speeds. Works on any brand of aeration windmill with a 1 7/8" or 2" pivot tube.
Item # WNP0147 (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. Deeper stone placement and/or dusty conditions may cause earlier replacement.
Item # OPR0046 (4 lbs.)

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 Gator Airstone Marker
Want a convenient way to mark your airstone or diffuser location so that you can always find it? Also helps scare away predators like Blue Heron's. Ultra-realistic in design.
Item # ARS0195 Floating Gator (4.0 lbs)
Item # ARS0344 Floating Gator JR (3.0 lbs)

OWS Equipment Pad
This convenient equipment pad sits underneath your electric aerator or solar aerator cabinet to keep it out of the mud and muck. Easier than pouring concrete!
Item # ARS0360 Medium Base 24" x 24" x 2" (8.0 lbs)
Item # ARS0361 Large Base 30" x 30" x 2" (12.0 lbs)

OWS Aerator Control Box
Would you like to take advantage of alternative energy aeration and still have aeration 24 hours a day? Our new Aerator Control Box uses 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.
Item # ARL0103 (6.5 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 and water pumps. Air tends to go to the point of least resistance, so 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. We use high-quality brass ball valves designed to stand up to years of use.
2-Way Selector (½") – Regulates 2 attachments
Item # ARL0042 (1.05 lbs.)
3-Way Selector (½") – Regulates 3 attachments
Item # ARL0043 (1.45 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.)

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 ¼ HP.
Item # EAU0415 – Small filter 3/8" NPT for ½ HP
Item # EAU0394 – Large filter 3/8" NPT for ¾ HP

Quantum™ Compressor Maintenance Kits
Replace every 2-3 years or as needed.
Item # EAU0295 – ¼ HP Repair Kit
Item # EAU0296 – ½ HP Repair Kit
Item # EAU0297 – ¾ HP Repair Kit

OWS Fountains

OWS Eco™ Line of Lake & Pond Fountains Electric

Outdoor Water Solutions is introducing our Eco™ line of lake and pond fountains. Why Eco:

- Economical to purchase and maintain
- Economical to operate with their low amp draw
- Eco-friendly design due to their low profile and energy efficient operation
- Affordable replacement parts

Nova

2 Tier Pattern
- .5 hp 10'H x 35'W
- 1 hp 18'H x 45'W

Equinox

1 Tier Pattern
- .5 hp 15'H x 8'W
- 1 hp 24'H x 10'W

Neutron

1 Tier Pattern
- .5 hp 12'H x 35'W
- 1 hp 22'H x 45'W

Jupiter

2 Tier Pattern
- .5 hp 10'H x 35'W
- 1 hp 20'H x 45'W

½ HP Eco Fountain

Includes:
- 32" High Quality Black Molded Float with UV Protection
- ½ HP Maxis™ Pump with 100' Power Cord
- Includes 4 Different Nozzle Patterns
- High Quality Filter Basket to Protect Pump & Motor
- Includes Timer to Turn the System On and Off
- 50' Mooring Rope
- Optional 110V LED Light Kit with (3) 12 Watt LED Light Fixtures,100' Power Cord and Photocell Timer

Product Benefits

- Quick and easy installation
- Only uses 5 amps of 110v electricity for the 1/2hp and 10 amps for the 1 hp
- Higher flow rates than many competitors
- Works in fresh, salt or brackish water
- Works in both lined and natural dirt ponds

1 HP Eco Fountain

Includes:
- 32" High Quality Black Molded Float with UV Protection
- 1 HP Maxis™ Pump with 100' Power Cord
- Includes 4 Different Nozzle Patterns
- High Quality Filter Cage to Protect Pump & Motor
- Includes Timer to Turn the System On and Off
- 50' Mooring Rope
- Optional 110V LED Light Kit with (3) 12 Watt LED Light Fixtures, 100' Power Cord and Photocell Timer

- Only needs a minimum of 36" of water to operate
- 2 year warranty on fountain pumps, timers and lights/5 year warranty on fountain floats
- Each fountain includes 4 fully interchangeable nozzles
- Significantly lower replacement parts cost than most competitive fountains

OWS Fountains

½ HP Eco Fountain

Item # FTN0421
½ hp Fountain (Includes ½ hp Maxis™ pump with 100' power cord, 4 spray patterns, 50' mooring rope and a high quality filter basket).

Item # FTN0422 with lights

1 HP Eco Fountain

Item # FTN0440
1 hp Fountain (Includes 1 hp Maxis™ pump, 100' power cord, 4 spray patterns, 50' mooring rope, high quality oversized steel mesh debris cage to keep out algae, sticks and other debris).

Item # FTN0442 with lights

OWS Classic™ Series Solar Floating Fountains

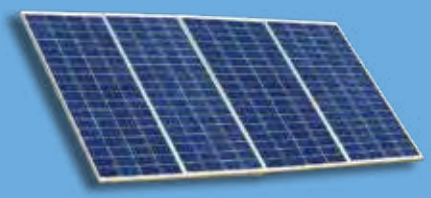
Outdoor Water Solutions has developed the Classic™ Series Line of Solar Fountains featuring our unique Direct Drive™ (DD) Technology. These fountains are constructed using high quality pumps, motors and controllers designed to operate when others will not. Through our intense product testing, we provide the most efficient technology available allowing for more run time than others systems on the market.

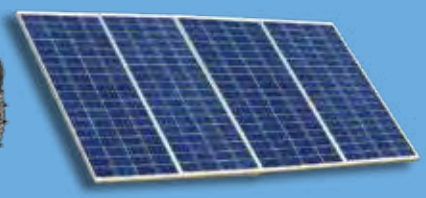
Benefits of solar:
- Eco friendly by operating with sun and no batteries to dispose of
- Saves cost by not running power cable and paying a monthly bill
- Designed for Off Grid applications
- Direct Drive Controller allows system to operate in lower light.

Product Description:
- Each fountain includes 4 fully interchangeable nozzles
- 32" high quality black molded float with UV protection
- ½hp & 1hp Maxis™ pump comes standard with 100' power cord (longer cords available)
- High quality filter basket for the 1/2hp and debris cage for the 1hp
- 50' mooring rope

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

Warranty:
- 2 year warranty on controllers, pumps and motors
- 5 year warranty on flotation
- 15 year warranty on solar panels





½ HP Classic™ Series DD Fountain

½ hp Fountain (Includes ½ hp motor, power cord, 4 spray patterns, solar controller, 4 solar panels, rack mounting system).
Item # CFTN0612 - 100' Power Cord
Item # CFTN0613 - 150' Power Cord

1 HP Classic™ Series DD Fountain

1 hp Fountain (includes 1hp motor, power cord, 4 spray patterns, solar controller, 6 solar panels, rack mounting system).
Item # CFTN0614 - 100' Power Cord
Item # CFTN0615 - 150' Power Cord

Classic™ Series Solar Fountain Specs

Fountain Size	Voltage	Power Options	Fountain Dimensions	Jupiter	Equinox	Nova	Neutron
½ HP	230V Single	Direct Drive	Height	10'	15'	10'	12'
			Width	35'	8'	35'	35'
1 HP	230V Single	Direct Drive	Height	20'	24'	18'	22'
			Width	45'	10'	45'	45'

OWS Floating Fountains

Electric or Solar OWS Classic™ Line of Floating Fountains

Outdoor Water Solutions has developed a new innovative line of pond fountains available in electric, solar and hybrid GTC models. These fountains are constructed using the best pumps, motors and controllers on the market designed to operate when others will not. Through our intensive product testing, we provide the most efficient technology available. Our solar fountains feature our unique Direct Drive™ (DD) technology. We also offer a hybrid Grid Tied Controller (GTC) for customers wanting to use solar energy during the daylight hours to save money on electricity and finally a highly efficient electric powered fountain for a majority of applications.

Pump & Motor
- Industry proven pumps and motors
- 100% stainless steel components that resist corrosion
- Optimized hydraulics that increase performance & efficiency
- Optional quick disconnects make for easy installation and removal.

Flotation Assembly
- High density polyethylene floats with UV protection
- Low profile display heads with interchangeable nozzles
- Easy access to pumps and motors for maintenance
- High strength stainless steel frames
- Large profile stainless steel cage to protect pump & motor

Benefits of Solar (on DD Solar and GTC Solar Models)
- Eco friendly and no batteries to dispose of
- Saves cost
- DD Controller allows systems to operate in low light
- GTC available for 24/7 operation

Control Panels
- UL listed waterproof locking cabinet
- Separate digital timers for motor and lights
- GFCI included on electric models
- UL listed submersible cables (custom lengths available)

Lights (Electric of GTC Models)
- 36 Watt long lasting energy efficient LED lights
- Stainless steel housing with tempered glass
- Separate timer in control panel
- Red, green and blue lens covers available for extra ambiance

Solar Panels
- High output solar panels giving you more total watts of power than other competitive products
- Pre-cut fabricated solar mounting racks
- Includes quick disconnects for fast assembly
- Customer will need to purchase mounting poles

3/4 HP Fountains

Jupiter

Nova

Equinox

Neutron

Fountain Size	Voltage	Amps	Optional Light Kit	Power Options	Fountain Dimensions	Nova	Equinox	Neutron	Jupiter
3/4 HP	230 Single	8	(2) 36W LED	Direct Drive or GTC	Height	16'	22'	20'	18'
				Electric	Width	42'	10'	40'	42'

OWS Floating Fountains

OWS Line of Floating Fountains

1½, 2, 3, 5HP Fountains

Orion

Spectrum

Sirius

Nebula

Tornado Plus Geyser

Tornado

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

Fountain Size	Voltage	Amps	Optional Light Kit	Power Options	Fountain Dimensions	Nebula	Spectrum	Orion	Sirius	Tornado	Tornado Plus Geyser
1 ½ HP	230V Single	12	(2) 36W LED	Direct Drive or GTC	Height	19′	19′	21′	21′	12′	16′
				Electric	Width	27′	21′	30′	32′	40′	36′
2 HP	230V Single	14	(4) 36W LED	Direct Drive or GTC	Height	21′	20′	22′	22′	15′	18′
				Electric	Width	30′	23′	32′	36′	42′	38′
3 HP	230V Single	16	(4) 36W LED	Direct Drive	Height	24′	22′	24′	24′	16′	21′
				Electric	Width	50′	30′	45′	40′	45′	45′
5 HP	230V Single	28	(4) 36W LED	Electric Only	Height	29′	29′	30′	31′	18′	26′
					Width	75′	41′	80′	81′	70′	65′

NOTE: ¾, 1 ½, 2, and 3 hp GTC or DD fountains are only available thru OWS Elite Dealers.

All Natural Pond Products

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 algaecide, 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" algaecides 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 algaecides 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 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
tem # PSP0151 25 lbs. Pail (value-priced)

All-Natural Liquid Pond Dye

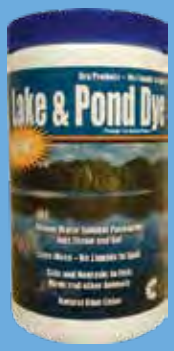
If you're looking for a highly concentrated liquid dye for your ponds, we've got it! This product is equivalent to other companies' ONE Gallon containers and is 4X Concentrated! Formulated to help maintain your pond or lake by filtering sunlight and adding an aesthetically pleasing color. A "must-have" 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 Bacteria

Each pack includes 12 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.
Item # PSP0074 (12 lbs.)
Item # PSP0132 (25 lbs.)

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.)

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

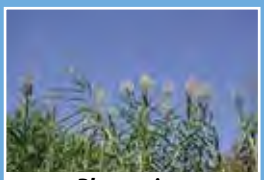
Emerged Weeds

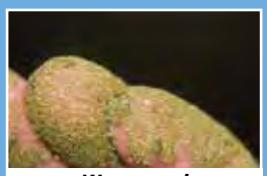
Cattails

Alligator Weed

Creeping Water Primrose

Smartweed


Phragmites


Watermeal

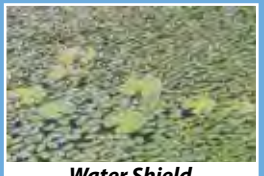
Floating Weeds

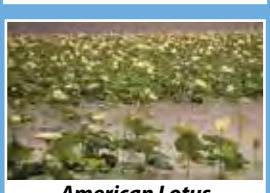
Water Lettuce

Duckweed

Spatterdock

Water Hyacinth


Water Shield


American Lotus

E = Excellent G = Good F = Fair

Submerged Weeds

Curly Leaf Pondweed

Eurasian Watermilfoil

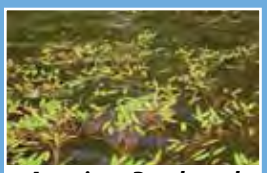
Coontail

Naiad

Bladderwort

Hydrilla/Elodea

Sago Pondweed


American Pondweed

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

	Cutrine	Green Clean	ShoreKlear	Reward & Weedtrine	Navigate	Sonar	Clipper
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 Clipper will require re-treatment for long-term control on some weeds.

Weed Control

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.

ShoreKlear-Plus

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 loosestrife, 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.

Sonar

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.

Clipper

Our #1 Choice for Watermeal Control. Clipper aquatic herbicide eliminates invasive floating weeds and submerged weeds such as duckweed and watermeal. Clipper 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 # PSP0254 5 lb. Pail

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 and 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 vegatation. 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.

Fish Feeders and Fish Food

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

- 100 lbs. Item FDR0627: Straight legs
- 100 lbs. Item FDR0628: Adjustable legs
- 215 lbs. Item FDR0632: Straight legs
- 215 lbs. Item FDR0631: Adjustable legs
- 50 lbs. Item FDR0633: Hanging Fish & Wildlife Feeder.
- Item # FDR0634 – 2 Watt Solar Charger

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

OWS Treefeeder

This is an ultra-realistic polyurethane feeder that looks just like a tree stump sitting along the edge of your pond.

- Realistic bark texture and color
- Shoots out over 20 yards.
- Integrated solar battery charger and battery.
- Holds 100lbs. of fish food.

Item # FDR0378

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

Optimal Fish Feed

We have recently partnered with Optimal Fish Food Company to provide you with the best fish food on the market! With our new direct purchasing program, you can purchase bags of fresh fish food and have it shipped to your door. We know that good fish food has a limited shelf life and if you're buying elsewhere, it may have been sitting in a hot warehouse for months. By buying from us, your guaranteed freshly made fish food because it's coming right off of the production line and shipping to your house, farm or small business.

Item # FDR0586 80 lbs.

Item # FDR0585 – 80 lbs.

Item # FDR0587 – 80 lbs.

These are prepaid cards good for 2 (40lb.) bags of high quality bass and gamefish fish food. We will mail you a prepaid card good for 80 lbs. of Optimal Pond Feed. You can then redeem that card at Optimal's website and they'll ship you out your two bags directly to your door. You can purchase multiple cards and redeem them all at once or every 30 days so you always have freshly made fish food. Larger quantities are also available.

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.)

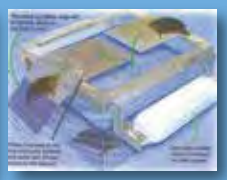
Water Based Unit

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

Item #TRP0329

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.

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

Crawfish Trap

Item #TRP0330

The brand new Outdoor Water Solutions crawfish trap is good for any day outdoors. Whether the occasion be for serious catching, or just plain simple fun, this trap is right for you. The unique design makes it unlike other crawfish traps in that it can handle high volume and resist rust. The long yet flat design of this trap allows for serious crawfish trapping without the trap bending or breaking. This, coupled with the tough galvanized wire design, allows your trap to stand up to just about any harsh conditions imaginable. 12” x 12” x 5”.

Lake & Pond Dock Packages

Do It Yourself (DIY) Dock Packages

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:

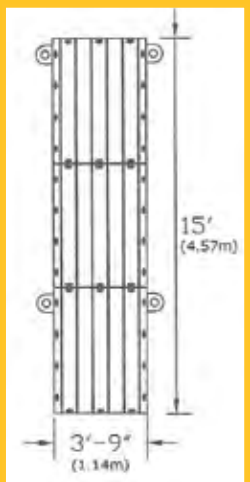
- High quality rotation molded floats filled with expanded polystyrene for optimum flotation
- Hot dipped galvanized and stainless steel connectors for long life
- Hinge connectors so everything pivots as the water table goes up or down.
- Set of plans for installation

Prefabricated Docks

These are high quality prefabricated dock packages that would look great in your pond or lake. Manufactured by Connect-A-Dock, one of the leading dock manufacturers in the United States.We offer two types of docks. The first is a maintenance free package that includes everything you need to build your own dock. The second option is a Do It Yourself dock where we supply a kit that includes the floats, hardware and plans. You just need to purchase the wood.

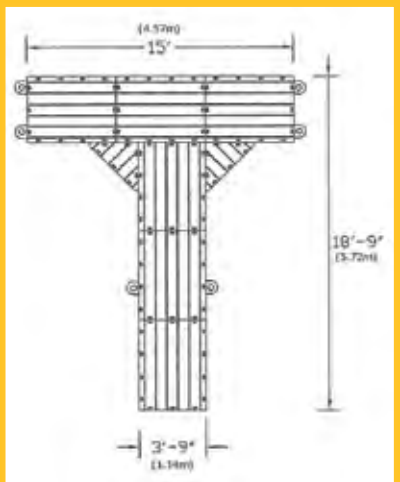
Low Profile - These docks are best for ponds or in large lakes with coves that are protected from larger waves.

Low Profile15' Walkway



Item # DOK0261
(400 lbs.)

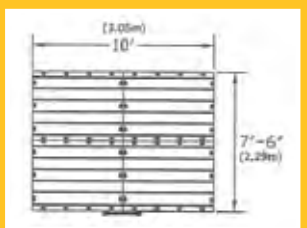
Low Profile Boat Dock with Walkway



Item # DOK0262
(800 lbs.)

Connect-A-Dock

Low Profile Swim Platform or Dock



Item # DOK0260
(500 lbs.)

Backyard Windmills™

Product Benefits:

- Sturdy 4 leg tower design
- 1 piece rotor head for ease of assembly
- Simple, fast and safe anchoring system using ground stakes (provided in package).
- Structurally strong tower for strong winds
- Windmill is sold for ornamental purposes
- There is a one-year manufacturer's warranty
- Made of 16 gauge and 18 gauge galvanize steel

OWS Backyard Windmill™

Enjoy the authentic ornamental windmill design as it turns in the wind and is a pleasing addition to any outdoor setting. Available in a variety of finishes, including galvanized, red & white, green & yellow, and more. Designed with the same high-quality standards as our full-scale windmills and designed to weather the elements. Also available in a "new" wood version.

Wood Backyard Windmills

- High quality wood windmill that has been pre-cut, pre-drilled and stained.
- Small windmills measure almost 10' tall with a 30" fan blade
- Large windmills measure almost 14' tall with a 40" fan blade
- Easy to assemble – no drilling or cutting required
- Easy anchor system included

Metal Backyard Windmills

- High quality galvanized steel windmills designed to last
- Small windmills measure 8'3" tall x 2' wide with a 27" fan blade
- Large windmills measure 11'6" tall x 2'8" wide with a 30" fan blade
- Durable powder coat finish on many styles

	Size	Item#
Galvanized	8' 3"	BYW0038
	11' 6"	BYW0003
Galv. with Red Tips	8' 3"	BYW0316
Galv. with Black Tips	8' 3"	BYW0317
Red & White	8' 3"	BYW0059
	11' 6"	BYW0005
Green & Yellow	8' 3"	BYW0128
	11' 6"	BYW0129
Bronze	8' 3"	BYW0057
	11' 6"	BYW0004
Red, White & Blue	8' 3"	BYW0060
	11' 6"	BYW0052
Wood	9' 4"	BYW0136
	13' 9"	BYW0312

Outdoor water solutions Ver. 2019-1

Outdoor Water Solutions
1856 Fed X Drive
Springdale, AR 72764

Natural Solutions for Outdoor Water