

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" 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:

- New "BalCam" technology minimizes bearing fatigue
- 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 Solution has streamlined wind-driven aeration design & technology!

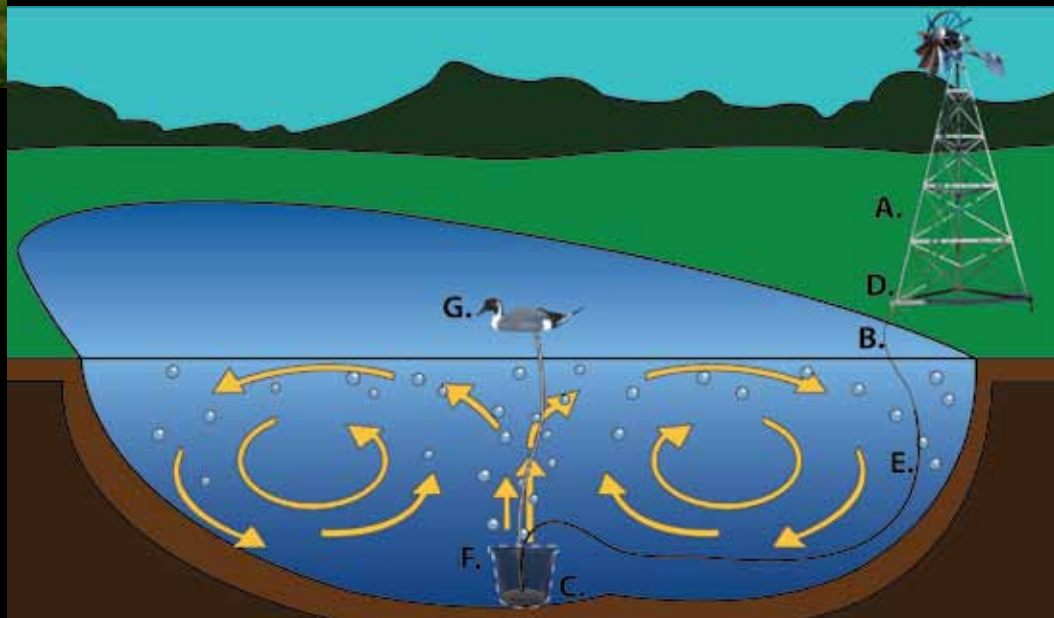


- *Rounded Corners*
- *Large Compressor*
- *One-Piece Hub Assembly*
- *Offset Holes for Easier Alignment*



Each aeration windmill is manufactured in the USA. Our focus is to produce a high-quality product that is an eco-friendly solution to preserving our water. We stand by our windmills with a 5-year warranty on our compressor and choose high-quality materials. It is our goal to exceed customer expectations and to help you find the right aeration system.

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

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. See pages 3 – 4 for complete details about the OWS aeration windmill.

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 show 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.

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' 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
LKT0104	20'	Leg Kit	Galvanized
LKT0105	20'	Leg Kit	Powder-Coated

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 Electric Aerator, and a control box to fully regulate the system.

Item# AWS0127 (480 lbs.)



Wind Driven Aeration Systems



Telescopic Windmills

Our Telescopic poles are 25' tall, making the total height of the unit 28' in the air. Each pole comes in three sections for ease of shipping and includes a hinge system for ease of installation. All are powder-coated or galvanized for many years of enjoyment, making them perfect for more-urban settings, like golf courses, public or municipal parks, subdivisions, etc.



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
TPW0022	25'	Functional	Galvanized
TPW0093	25'	Functional	Powder-Coated
TPW0092	25'	Functional – Deluxe	Powder-Coated

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
WTW???	16'	Wood Tower Kit	Powder-Coated Head

OWS Deluxe Aeration Windmill



Each functional windmill includes the windmill head, BalCam Compressor tower, 100' of 1/2" polytubing, 1 Airstone and backflow valve.

Each Deluxe Unit Includes:

- Windmill Head, BalCam Compressor, and Tower
- 100' of 1/2" polytubing
- 200' of 1/2" 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
- 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.)

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

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.)



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

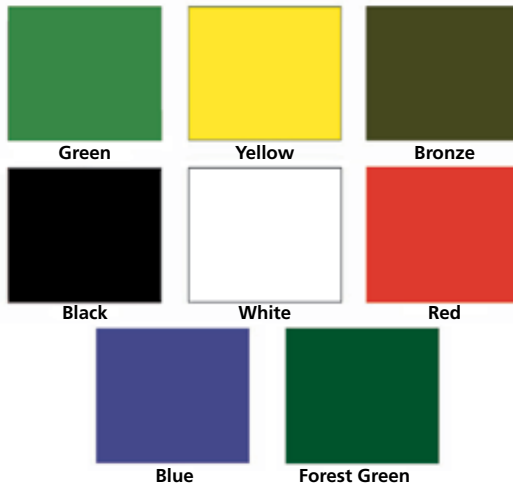
For more pictures of our powder coated windmills scan the QR code into your smart phone



OWS Powder-Coat Windmills



Standard Powder Coat Colors



OWS Custom Powder Coat Option



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.)



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.)

Pheasants Forever Windmills

Do you have a passion for pheasants, or just wildlife in general? Outdoor Water Solutions is now offering officially licensed Pheasants Forever-branded windmills in several great styles. A portion of each sale is then used to pay for upland habitat restoration.



- Item # PFW0115 20' Galvanized Aeration Windmill
- Item # PFW0116 20' Bronze Aeration Windmill

* All windmill systems on this page include: Tower, Windmill Head, 100' of 1/2" polytubing, 50' of 1/2" Weighted Air Line, 1 Diffuser Airstone, Footvalve, Tower Hinges, Airstone Housing Bucket, 1 Duck Decoy Marker, Hose Connector, and a Personalized Tail-Fin.