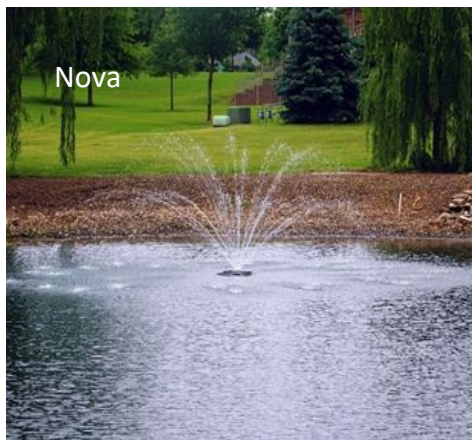




Equinox



Neutron



Nova



Jupiter

Outdoor Water Solutions
1856 Fed X Dr. Springdale, AR 72764

866-471-1614
www.outdoorwatersolutions.com

We thank you for your purchase of this quality fountain from Outdoor Water Solutions, Inc. Trouble-free operation, however, it is important to carefully read through these operating instructions and to fully observe the given advice

Part Inventory:

Included with every Fountain

Float

Eyebolts for attaching mooring rope

Up pipe with two fittings attached

1/2hp pump with 100ft cord

Pump intake/debris basket

Mooring rope

4- Display nozzles for fountain pattern

Optional Accessories:

Set of three: 115 volt 12 watt LED with 100ft cord

Premier timer with photo control for lights and timer for pump

Timer for fountain only

Tools needed:

- Personal floatation device
- Boat (If available)
- 5/16 nut driver
- 7/16 wrench (for lights)
- Sprinkler donuts to weigh mooring line. If needed to sink mooring line to allow boat to pass.
- Rebar or Cement blocks (Customers choice)

Warning and Safety:

As with anything mechanical, failures can occur. DO NOT USE FOUNTAINS/AERATORS IN SWIMMING AREAS.

DO NOT INSTALL FOUNTAIN WITH AN EXTENSION CORD.

The 1/2hp Eco Fountain comes standard with 100' of 14 gauge power cord. If the total distance between the main breaker panel and the fountain is more than 150' (including the 100' with the fountain) then you will need to use larger gauge cord than the current 14 gauge cord or the subsequent voltage drop can cause premature motor failure and void the warranty.

Installer must wear a personal floatation device when on a boat or around water

Electrical work must be completed by a licensed electrician. Conformity with local and state electric codes is mandatory. The National Electric Code requires that a ground fault circuit interrupter (GFCI) be used in the branch circuit supplying sump, utility, effluent and all fountain pumps. Consult a licensed electrician or your power company.

This pump is supplied with a grounding conductor and a grounding type attachment plug.

To reduce risk of electric shock, connect only to a properly grounded electrical circuit equipped with a ground fault interrupter device.

Do not remove the grounding pin from the plug.

This pump motor is designed for 115 Volt – 60 Hz operation. Be sure the supply voltage is the same. Motor is single phase voltage only.

This pump is not designed, nor intended, for the pumping of chemicals or corrosive liquids. This will shorten the life of the unit, expose the user to possible personal harm, and void the warranty.

Never pump gasoline or other flammable liquids or operate in areas where flammable or explosive fumes are present as fire or explosion could occur.

Pump must be installed in water to operate. Do not run the pump dry, otherwise damage will result and void the warranty

Contact Outdoor Water Solutions technical support with ANY concerns or questions.

CAUTION:

Electrical issues contact your license electrician

Always disconnect from electrical outlet before handling the pump.

The pump can run continuously as long as water is pumped. If the unit runs more than 2 to 3 minutes without pumping water, damage to the shaft seal will occur. Warranty will be denied.

Do not lift the pump by the power cord.

Do not pump heated liquids. Maximum temperature is 35°C (95°F).

Pump best operates in fresh water and completely submerged for proper cooling. The pump can run in shallow water for short periods as long as the inlet screen is totally submerged and clear from any debris.

A clogged or dirty intake screen will greatly reduce performance. Remove any debris from pump intake.

Never restrict the pump's intake.

Maintenance:

Shut off fountain and use the necessary lock out/ tag out procedures prior to performing any maintenance

OWS suggest to check fountain display bi-weekly. If the fountain display starts to lower there is a restriction at the fountain intake. Turn off fountain and remove debris or pump will be damaged.

There is no oil, lubricants or seals to replace

Clean pump intake monthly with a wire brush to prevent any build up on basket/debris screen.

Every calendar quarter check the outgoing voltage to the fountain. Inspect the timer box of any deterioration or possible infestation from insects or small animals (Ants, lizards, snakes, frogs, etc...)

Winter Storage- Outdoor Water Solutions recommends to remove the fountain in winter months. This will prevent any damage to the fountain. Remove any water from pump and up pipe. All parts in water need to be dried with towel. Storage during winter needs to be inside a structure where the temperature does not get below freezing.

Troubleshooting Fountain and Lighting:

Warning Sign	Root of Issue/ Action to take
<i>Pump runs but shuts down</i>	Check intake/ debris basket for blockage and clean if needed
	If basket is clear of debris and problem continues, call an electrician.
	Check power going out to fountain with fountain running, call an electrician
	Thermal overload protection system overheating, call Outdoor Water Solutions
<i>Uneven fountain display pattern</i>	Make sure on a calm day to observe fountain. Make sure wind is not the cause
	Clean any debris from displayhead nozzles
	Intake/ debris basket maybe obstructed
	If problem continues, check voltage, call an electrician
<i>Fountain has moved position in pond/lake</i>	Check mooring lines are attached and anchored
	Remove excess slack in mooring anchor lines
<i>Pump does not run</i>	Make sure to check timer GFCI breaker, reset button
	Check main breaker is not tripped
	If the breaker continues to trip contact OWS
Lighting issues	Root of Issue/ Action to take
<i>No LED lights come on</i>	Check all GFCI breakers for tripping, reset button
	Make sure no debris buildup on light fixtures
	Check main breaker is not tripped, reset breaker
	Problem continues contact OWS

Installation:

Step #1

Remove all parts from box, inspect and review inventory.

On a clean level surface lay float flat side upwards. White male threads will be down.

Up pipe (figure #1) Pump is shipped attached to up pipe ready for installation (figure #2)

Figure #1



Figure #2



Figure #3



Step #2 Attaching pump assembly to float

(Figure #3) Once float is flat side up. Pick up the pump by handle turn pump up pipe facing down. Connect the white PVC fitting to the black FPT inlet fitting in center of float. Be careful not to over tighten PVC fitting.

Step #3 Installing pump intake/debris basket

(Figure #4) The pump intake/ debris basket. You will need a 5/16" nut driver, being careful not to over tighten. The basket includes two self-tapping screws. Remove screws from basket. Push basket onto pump make sure the basket is secure. (Figure #5) Using the same holes that you removed the self-tapping screws reinstall self-tapping screws you will screw into the pump.

Figure #4



Figure #5



Step #4 Optional lighting installation

Mounting brackets are delivered pre-attach onto the light fixture. Only attach light fixture bracket to float. See (Figure #6) arrow is pointing to ¼-20 bolt and lock washer install. Tighten with a 7/16 wrench DO NOT over tighten. Zip tie excess cord to up pipe. If not zip tied your display maybe off centered



Step #5 Installing fountain into lake

Support pump by holding handle and float. Do not drop into pond on shallow edge. The fountain can be anchored to the bottom of the pond or tied off to the sides. To anchor you will need some nylon rope. 1/8" will work fine. If using the bottom method, tie off ropes and drop blocks in opposite directions of each other. Bring ropes up to the center and tie off to the holes in the eyebolts on the bottom of float. This method will require entering the pond in person or by boat. If using the shoreline method, tie ropes to the float and tie off one side to the shore. Mobile home anchors or rebar anchors work well for this. Set fountain in the water, being careful not to allow mud into the pump. The opposite rope can now be walked to the opposite side of the pond and anchored the fountain is in the desired position. This method works well in smaller ponds without actually entering the pond. You can submerge the anchor ropes if you want by zip tying sprinkler donuts or small bricks to the middle of mooring line.

Display Patterns:



Equinox 19 holes



Nova 27 holes

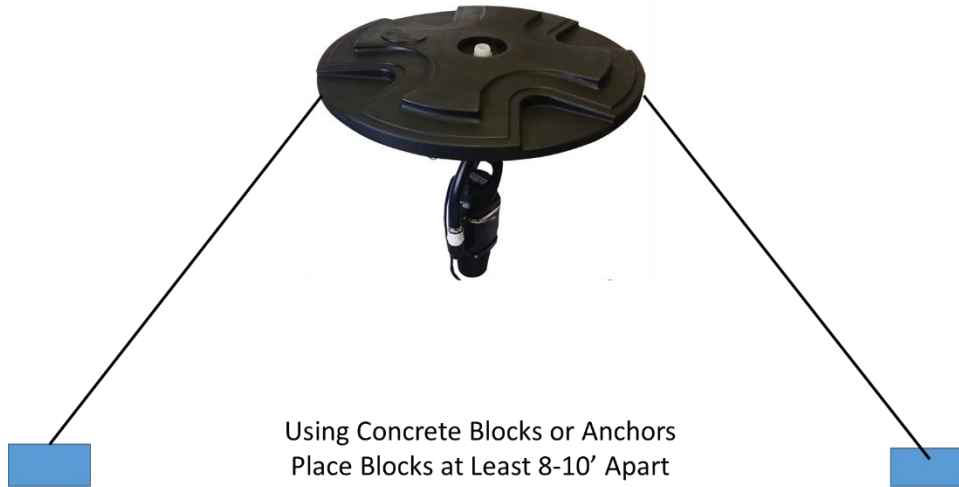


Neutron 15 holes



Jupiter 29 holes

Fountain pictured below is for demonstration purposes only. Your fountain may look different, but the anchoring set-up will be the same.



Can Tie Off to Anchors on Shore for Smaller Ponds

Step #6 Timer

Mount timer near 110 volt power source. Premium timer has GFCI included. Fountain timer does NOT have a GFCI included.

Fountain only timer- will need to be plugged into a GFCI for safety purposes. Fountain timer has adjustable clock. Set timer pins (Green/on and Red/off) for hours you would like to run fountain.

Premium Timer- Plug timer into a 110 volt non-GFCI grounded outlet. Set current time by aligning arrow with the time of day in window on timer dial. Plug fountain into the timed outlet. Set timer pins (Green/on and Red/off) for hours you would like to run fountain. You will need to pull out pin to move to new time. Lighting cord will plug into Timed & Photo control outlet.

Additional Pond Products

Lake and Pond Bacteria



Our bacteria helps break down organic matter, diminish nutrient overload, and help reduce odor to help create clean, clear pond. 6lbs of bacteria in 12 water soluble bags packed in a barley straw medium. Also, comes in 12lbs or 25lbs pails.

All Natural Liquid Lake and Pond Dye



If you're looking for a highly concentrated liquid dye for you pond, 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. Safe for recreational ponds, horses, cattle, birds, fish, wildlife and the environment. Available in Blue, Deep Blue and Black. Blue color also available in water soluble packets

GATOR FLOATING MARKER



Each gator is hand painted and made in the U.S.A. Scares away predators and other birds from your ponds like geese, egrets, herons and other wildlife.

Available in three size:

ARS0344 Gator JR

ARS0195 Gator + ARS0345 Gator kickboard