Pond Aerator

Installation Manual

- Pond Aerator 1 *(Item #250001)*
- Pond Aerator 2 *(Item #250003)*

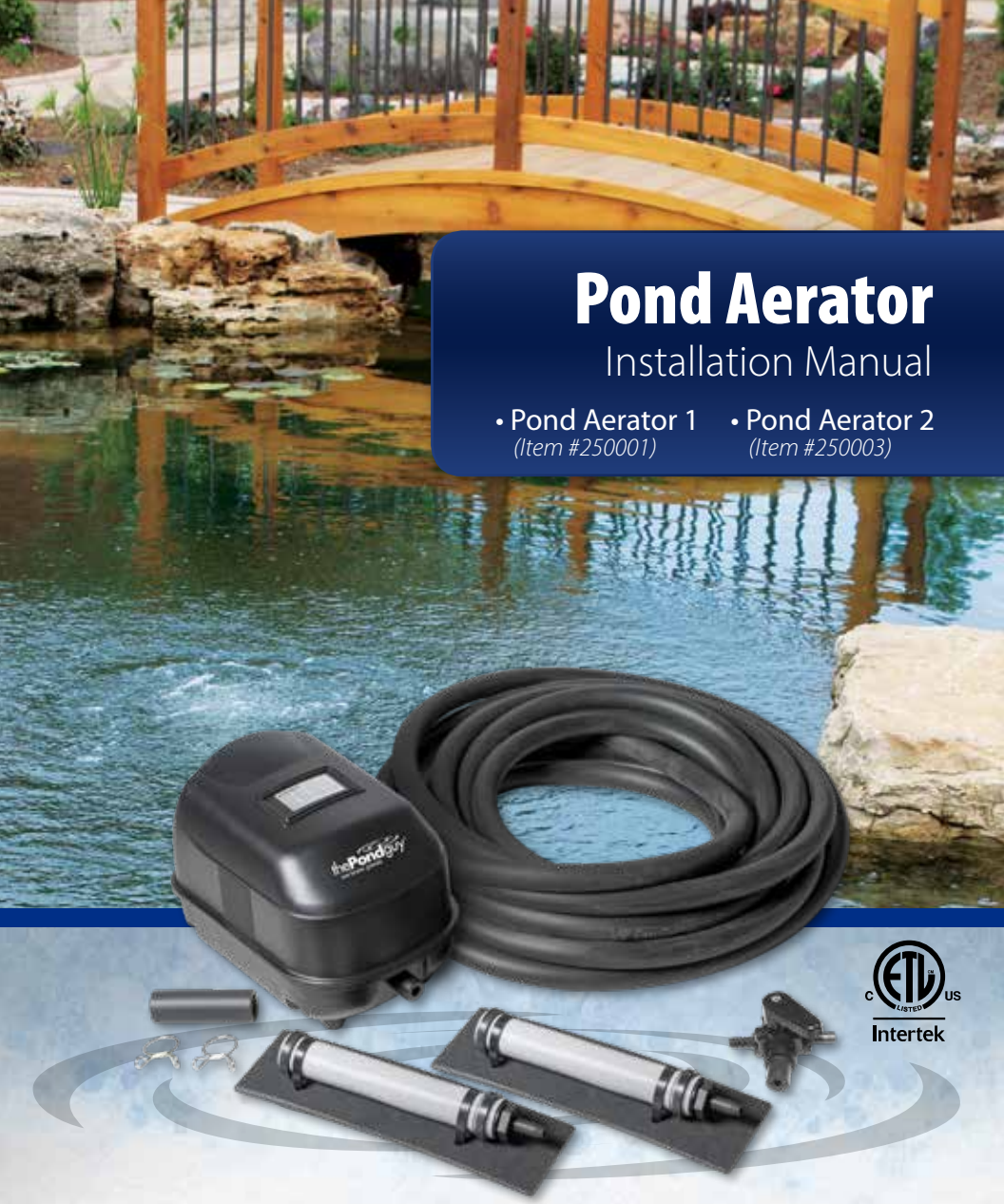


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IMPORTANT INFORMATION:

- Never connect to an extension cord. This may result in equipment failure.
- Do not allow anything to rest on the power cord.
- Do not place the unit where people may step on the power cord.
- Never override electrical or mechanical interlock devices.
- Never attempt maintenance functions that are not specified in the user manual.
- Never operate the system if unusual noises or odors are detected. Disconnect the power cord from the outlet and call for service.

⚠ DANGER: ⚠

- Read the operating instructions carefully.
- To reduce the risk of electric shock, connect only to a properly grounded grounding-type receptacle.
- THIS UNIT IS TO BE USED IN A CIRCUIT PROTECTED BY A GROUND FAULT CIRCUIT INTERRUPTER.
- This unit has not been investigated for use in swimming pool areas.
- Disconnect unit from power source before handling.
- Repair and exchange of cable must be carried through by the supplier/manufacturer.

WINTER OPERATION:

⚠ DANGER: ⚠

Operating in freezing conditions on an ice-covered water garden will cause open water areas, even in freezing conditions. Also, the ice thickness around these open areas will be much thinner than the ice over the remainder of the pond. Injury or fatality may result from falling through the ice. The Pond Guy® strongly recommends the danger of thin ice around the diffuser site be clearly posted at frequent intervals. Owner assumes all responsibility for operating Pond Aerators during winter months.

If you choose to turn off your system for the winter, do the following:

- Unplug the system and remove the diffuser(s), airline(s) and compressor.
- Store in a dry area protected from the elements such as a garage or basement (climate control recommended).

INSTALLING YOUR POND AERATOR KIT:

1 Decide on a location for the Pond Aerator compressor. It's important to elevate the compressor a few inches above ground level, making sure the compressor is above the pond's water surface. If power is not available at the pond's edge, the compressor may be located at the power source and extra airline can be added (up to 100 ft) to reach your desired diffuser location.

NOTE: It is recommended the compressor be covered and not exposed directly to the elements. This can be accomplished by purchasing a small TrueRock™ cover (Item #510330). If you decide to use your own cover, make sure it will keep water from coming in direct contact with the compressor and there is plenty of ventilation.

2 Attach the 2.25" rubber coupler to one end of the weighted airline, then connect the rubber coupler to he outlet on the compressor. Hold in place with the 2 squeeze clamps provided. **Multiple Diffuser Systems:** Connect the included 2¼" rubber connector to the compressor and use one of the squeeze clamps to keep it in place. Connect the bottom of the three-way air manifold to the rubber connector and hold in place with the remaining squeeze clamp. Next, using the weighted airline, measure the distance from the compressor to the approximate location of your diffuser. Ensure to compensate for the depth of the pond. Cut the weighted airline to the appropriate lengths and connect them to the three-way air manifold as well as the diffusers. No clamps are needed for airline.

Getting to Know the POND AERATOR 1 & 2



	Pond Aerator 1 *(for ponds 1,000 - 3,000 gallons)*	Pond Aerator 2 *(for ponds 3,000 - 6,000 gallons)*
A High Efficiency Compressor	**KA20:** 17 Watts @ 115 Volts	**KA20:** 17 Watts @ 115 Volts
B Control Valve	N/A	Includes control valve to balance airflow between both diffusers.
C Weighted Airline	Includes 15' of weighted airline.	Includes (2) 15' rolls of weighted airline.
D Weighted Diffuser	(1) PTFE Diffuser (4' Max Depth)	(2) PTFE Diffusers (4' Max Depth)
E Coupler	(2) Squeeze Clamps (1) Rubber Coupler	(2) Squeeze Clamps (1) Rubber Coupler

3 Find a location in your water garden to place the diffuser. If you have two diffusers, distribute them equally throughout the water garden. Do not exceed the max depth rating of 4' when placing your diffusers. Depths in excess of this rating will greatly reduce airflow to the diffuser and cause excess strain on the compressor reducing its life expectancy. In cases of extreme temperatures (hot or cold), it is recommended to relocate plates from the deepest points of your pond.

4 **Adjust Your Valves (Systems with Multiple Diffusers Only)**
Adjust three-way air manifold to balance airflow between diffusers, if desired. It is not necessary to have even airflow between diffusers, nor will it have any effect on the life expectancy of the compressor. Valve positions are as follows:



A. Valve Pointing Down: Air Flow comes up from bottom and goes left.
B. Valve Pointing Between Bottom and Right: Air Flow comes up from bottom and goes left and right.
C. Valve Pointing Right: Air Flow comes up from bottom and goes right.

MAINTENANCE SAFETY:

- Always use parts supplied or approved by The Pond Guy®. Use of other parts may result in poor performance and could create a hazardous situation.
- Always unplug the system from the outlet and refer servicing to a qualified electrician under the following conditions:

    1. When the power cord is damaged or frayed.
    2. If the compressor is producing unusual noises or odors.

REGULAR MAINTENANCE:

Compressor Maintenance

It is recommended to perform diaphragm maintenance (Using Maintenance Kit - Item #510145) every 12 months.

Membrane Stick Maintenance

No maintenance required. Replace diffuser (#520401) if visibly damaged or if system has poor performance.

Air Filter Cleaning

Unscrew the cover on the back of the compressor to expose the air filter. Remove the air filter and brush away any dust particles. Air filters should be replaced every 3-6 months. (#510153)

PRODUCT WARRANTY:

The Pond Guy® Pond Aerator comes with a 3-Year Limited Warranty. This limited warranty is extended exclusively to the original purchaser and begins from the date of original purchase receipt. Membrane sticks, airline, diaphragms and air filters are considered wear items and are not covered by this warranty. Abuse or misuse of this product voids all warranty. Any sign of water damage inside the unit voids all warranty. For warranty claims, product must be returned to the original place of purchase with original receipt.

THANK YOU FOR CHOOSING:

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