

Airmax[®]

Eco-Systems

Making Pond Care Simple[™]

Koi Air[™]

Water Garden

Aeration Kit

Installation Instructions

Please read before operating.

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IMPORTANT INFORMATION - PLEASE READ

- 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 any maintenance function that is 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

- 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.
- Read the operating instructions carefully.
- Repair and exchange of cable must be carried through by the supplier/ manufacturer.

WINTER OPERATIONS



DANGER

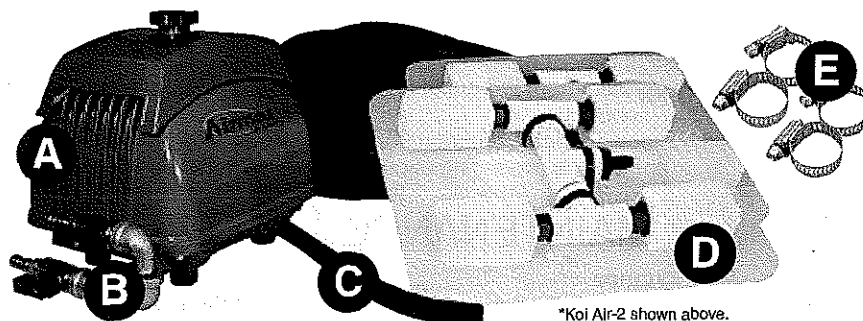
Operating in freezing conditions on an ice-covered water garden will cause open water areas, even in freezing conditions. Also, the ice thickness around these open areas will be much thinner than the ice over the remainder of the pond. Injury or fatality may result from falling through the ice. Airmax® strongly recommends that this danger of thin ice around the diffuser site be clearly posted at frequent intervals. Owner assumes all responsibility for operating Koi Air Aeration Systems 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).

GETTING TO KNOW YOUR KOI AIR SYSTEM



*Koi Air-2 shown above.

	KOI AIR-1 (for ponds up to 8,000 gallons)	KOI AIR-2 (for ponds up to 16,000 gallons)
A High Efficiency Compressor	33 Watts @ 115 Volts	33 Watts @ 115 Volts
B Control Valves	Not Applicable	Includes control valves to balance airflow between diffusers.
C EasySet™ Self-Weighted Airline	Includes 25' of self-weighted airline.	Includes 50' of self-weighted airline.
D Koi Air Self-Weighted Diffuser	(1) Koi Air Diffuser	(2) Koi Air Diffusers
E Clamps	(2) Clamps	(4) Clamps

INSTALLING YOUR KOI AIR AERATION SYSTEM

1 Decide on a location for the Koi Air compressor. It is 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 edge, the compressor may be located at the power source and extra airline can be added (up to 100') to reach your desired diffuser location.

NOTE: It is recommended that the compressor be covered and not exposed directly to the elements. This can be accomplished by purchasing a faux rock cover (Item # 510113). If you decide to use your own cover, make sure it will keep water from coming in direct contact with the compressor and that there is plenty of ventilation.

2 Connect the self-weighted airline to the outlet on the compressor as well as the to the diffuser. Use a clamp at both ends and security tighten using a flat head screwdriver or 3/8" socket/nut driver.

3 Find a location in your water garden to place the diffuser. It is recommended to place the diffuser away from the deepest point, leaving an area for the fish to habitat. If you have two diffusers, equally distribute them throughout the water garden, but again away from the deepest point. Do not exceed 4' in depth when placing your diffusers. Depths in excess of 4' will greatly reduce airflow to the diffuser and cause excess strain on the compressor reducing its life expectancy.

4 (Koi Air-2 ONLY) Adjust control valves to balance air flow between diffusers, if desired. It is not necessary to have even airflow between diffusers nor will have any effect on the life expectancy of the compressor.

MAINTENANCE SAFETY

- Always use parts that are supplied or approved by Airmax® Eco-Systems, Inc. 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:
 - When the power cord is damaged or frayed.
 - If the compressor is producing unusual noises or odors.

REGULAR MAINTENANCE

Diaphragm Maintenance

Your Koi Air compressor will need a diaphragm replacement (Item # 510135) every 12-36 months depending on: operating depth, air quality and operating temperature. If you compressor is operating but there is no air coming out of the diffusers, you will generally find that it is time to replace your diaphragm. See the top cover of compressor for instructions on replacing the diaphragm.

Air Stone Cleaning/Replacement

- Air stones must be cleaned every 1 to 2 years. To clean, place air stones in 100% muriatic acid (do not dilute with water) for 5 minutes or until clean. Please Note: **DO NOT** expose plastic threaded fittings to muriatic acid. Wear safety goggles and gloves when using muriatic acid. For replacement air stones use Item # 510124.

Air Filter Cleaning

- Unscrew the cap on top of the compressor and lift off the top face plate to expose the air filter. Remove the air filter and brush away any dust particles. Air filter is designed to last the lifetime of the compressor. Replacement is not needed.

PRODUCT WARRANTY

The Koi Air Aeration System comes with a 3-Year Limited Warranty, 3-year warranty on compressor, 1-year warranty on diaphragm. All other parts are warranted for a full 3-years from the purchased date against product defects and/or poor workmanship. Proof of purchase is required for warranty replacement.

THANK YOU FOR CHOOSING AIRMAX®!



Making Pond Care Simple™
Satisfaction Guaranteed
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