

EASY PRO Aeration



Aeration Kit

Instructions for Operation • Safety • Warranty

Thank you for your purchase of an EasyPro koi and ornamental pond aeration system. EasyPro complete aeration systems are designed to be an energy efficient way to aerate, de-stratify and circulate water in ponds and water gardens. The increase in oxygen levels provided by an aeration system is beneficial to any pond but especially to ponds with fish. These kits are ideal for ponds, aquariums or other small fish holding systems.



LA1

Each aeration system is powered by a quiet, continuous duty compressor and includes tubing, air diffuser and parts to assemble.

LA1 through LA4 KLC™ Series Systems include high quality, affordable linear diaphragm compressors that feature quiet operation, energy efficiency and solid durability.



LA15W

LA5W through LA15W Deluxe Systems include linear piston compressors that feature quiet operation, energy efficiency, deeper water capability and the best durability available.

Safety and Electrical

Warning - Risk of electrical shock. For your protection always unplug the unit from its power source before installing or servicing.

Warning - This compressor is solely intended to pump air. It is not for use with oil, solvents or any petroleum products (gasoline, diesel, etc.).

- Always use a properly grounded AC outlet. Keep plug end from moisture and do not attempt to plug in a wet plug.
- Provide a "drip loop" for the line cord. This is a loop in the cord below the level of the receptacle or plug that prevents water from traveling along the cord into the receptacle.
- Be sure that a Ground Fault Circuit Interrupter (GFCI) is installed in the branch circuit supplying the aquarium, fountain or pond equipment.
- Unit should be installed horizontally and above the height of water surface.
- Do not submerse compressor. Do not place compressor where it could fall into water.
- Do not operate if power cord is damaged

Note: *EasyPro Pond Products is not responsible for losses, injury or death as a result of failure to follow these safety warnings, misuse or abuse of equipment.*

Koi and Ornamental Pond Aeration Kit Features:

Kit Part #	Max. Pond Size (Gallons)	Compressor Warranty**	Maximum CFM (cubic feet/minute)	Maximum* Recommended Depth
LA1	1000-7500	3 Years	1.3 cfm	6 feet
LA2	2000-15000	3 Years	2.1 cfm	6 feet
LA3	3000-22500	3 Years	3.1 cfm	7 feet
LA4	4000-30000	3 Years	3.7 cfm	8 feet
LA5W	3000	3 Years	1.3 cfm	6 feet
LA10W	7500	3 Years	1.8 cfm	6 feet
LA15W	20000	3 Years	3.0 cfm	6 feet

Fish load, filtration capacity and other factors affect actual maximum pond size
**Various compressors will perform in deeper water. This is the recommended max. depth for best performance*
***See compressor instructions for warranty details*

General Instructions

All of the other compressors have weather resistant housing, but we strongly suggest that you protect them from the elements in some way.

1. Place compressor on level surface above the water level.
2. Compressor should be protected and housed from the elements. Do not place compressor in low spots where water may puddle. Place compressor in shaded area that is free from excessive dust or moisture, yet properly ventilated.
3. Connect the rubber elbow to the compressor with pinch clamps. See pictures below for connecting manifold to compressor on LA1 through LA4 kits.
4. Connect one end of airline to outlet of the compressor and secure with provided hose clamp. If kit has a manifold system, connect the manifold to the compressor and then ends of airline runs to manifold system, then secure with provided hose clamps. Do not use tubing to connect compressor to manifold (will be too restrictive).
5. Connect other end of tubing to diffuser(s) and secure with provided hose clamps. The LA15W has a tee that the two diffusers are screwed into and tubing connects to the barbed male adaptor which is installed in the short side of the tee.
6. Place diffuser(s) in pond in desired locations for best aeration.
7. Plug compressor into 120v AC GFCI protected outlet.


LA1


LA2


LA3


LA4

Winter Operation and Deeper Ponds

If fish are present in the pond, place the diffuser between the shallowest and deepest portion of your pond. For instance, if the deepest part of your pond is 6' and the shallowest is 1', place diffuser in the 2' - 3' range for wintertime operation. This will prevent the water at the deepest portion from being mixed with colder water.

Maintenance

1. Always unplug unit before service, cleaning or any maintenance.
2. Over time the compressors may need to have the diaphragm or piston replaced. See chart below for compressor repair kits.

Troubleshooting

Loss of air output but unit is running:

- Check to make sure the air filter has not been blocked or clogged by dust.
- Check to make sure lines are not kinked or plugged. If used in winter time, line may have ice in the line. A small amount of rubbing alcohol can be run down the air line to thaw the ice.
- Inspect the diffusers to ensure they are clean. Replace or clean as necessary. See chart below for replacement diffusers.
- Inspect diaphragms/pistons. Replace as necessary.
- Also see compressor manual for more troubleshooting details.

Koi and Ornamental Pond Aeration Kit Components:

Kit Part #	Compressor	Tubing	Diffusers	Compressor Repair Kits
LA1	KLC25	25' QuickSink	(1) 8" Rubber (RAD8)	KLC25DK
LA2	KLC40	50' QuickSink	(2) 8" Rubber (RAD8)	KLC40DK
LA3	KLC60	75' QuickSink	(3) 8" Rubber (RAD8)	KLC68DK
LA4	KLC80	100' QuickSink	(4) 8" Rubber (RAD8)	KLC68DK
LA5W	ML28	15' QuickSink	6" Rubber (RAD6)	ML28RK
LA10W	ML45	15' QuickSink	12" Rubber (RAD12)	ML45RK
LA15W	ML80	15' QuickSink	2 - 12" Rubber (RAD1250)	ML80RK

Caution:

- During operation, do not touch the lower housing with bare hands as the temperature will become about 70°C (158°F). (Temperature will not affect the performance of the pump.) Thermal overload will turn off the compressor when temperature gets too high. Unit will come back on after it cools down. Causes for excess heat should be determined and eliminated. Common causes include lack of ventilation and excess back pressure in the system. Remedies for these causes should be found to avoid over heating of the units.
- Proper sizing and selection of tubing, length of tubing, number of diffusers and depth of diffusers are all important factors for maximizing performance. These units are designed to produce fairly large volumes of air at low pressure. Extra back pressure created by restrictive tubing, undersized or clogged diffusers, incorrect valve systems or deeper water can cause excess wear and tear on the rubber diaphragms. Although replacing the diaphragms is easy, too much back pressure may require more frequent repair.


LA1


LA2


LA3


LA4


LA5W


LA10W


LA15W

EasyPro Pond Products Limited Warranty

EasyPro Pond Products ("EasyPro") warrants to the purchaser that this product ("Product") will be free from any mechanical or material defects for a period of:

Compressors in all kits: **three years** from the date of purchase. See owners manual for compete warranty information.

QuickSink Tubing and diffusers: **five years** from the date of purchase.

Other items included in this kit that are not listed above are considered wearable items and are not covered under this limited warranty. This warranty only covers properly installed and maintained Products sold by authorized EasyPro Sellers who are subject to and follow EasyPro's quality control standards. Please note that because EasyPro is unable to control the quality of Products sold by unauthorized sellers, unless otherwise prohibited by law, this warranty does not cover Products purchased from unauthorized sellers.

This warranty does not cover normal wear and tear, nor any deterioration suffered through overloading, improper use, negligence, improper installation, acts of God or accident. Similarly, any modification made by the purchaser to the Product will cause the warranty to be null and void. This warranty does not cover any cost associated with the installation or removal of the Product subject to a warranty claim.

All returned items will be inspected to determine cause of failure before a warranty claim is approved.
The exclusive remedies provided hereunder shall, upon EasyPro's inspection and option, be either repair or replacement of the Product or parts covered under this warranty.

Making a Claim: A Return Authorization ("RA") number must first be obtained by calling EasyPro at 800-448-3873 or via e-mail at warranty@easypro.com. It is the purchaser's responsibility to pay the return shipping charges. Be sure to include the RA number, original receipt (in the form of an invoice or sales receipt), your name, your return address and your phone number inside of the package. No warranty claims will be honored without the original receipt that shows that your purchase was made from an Authorized EasyPro Seller. Ensure the product is properly packaged and insured for the replacement value. Damage due to improper packaging is the responsibility of the sender.

ALL OTHER EXPRESS OR IMPLIED WARRANTIES INCLUDING MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY LIMITED IN DURATION TO THE DURATION OF THE WARRANTY AS DESCRIBED ABOVE. Some States do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

EasyPro shall not be held liable for any damages caused by defective components or materials of this Product; or for loss incurred because of the interruption of service; or any consequential/incidental damages and expenses arising from the production, sale, use or misuse of this Product. Some States do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

EasyPro shall not be held liable for any loss of fish, plants or any other livestock as a result of any failure or defect of this Product. This warranty gives you specific legal rights, and you may also have other rights that vary from State to State.

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