

PA6SWN • PA8SWN



Shallow Water Aeration Kit Instructions for Operation Safety • Warranty



PA6SWN





PA8SWN

Thank you for your purchase of an EasyPro shallow water pond aeration system. EasyPro complete aeration systems are designed to be an energy efficient way to aerate, destratify and circulate water in ponds. 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 up to seven feet deep for PA6SWN and eight feet deep for PA8SWN.

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

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.
- Avoid using extension cords to operate compressor.
- 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 submerge compressor. Do not place compressor where it could fall into water.
- Do not operate if power cord is damaged.
- Use extreme caution when operating in winter. Danger due to thin ice can cause drowning. Unseen currents can cause thin ice in areas long distances away from diffuser operation. Provide adequate warning for others using a pond with a diffused aeration system.
- Always wear a Coast Guard approved life vest when working in or near water and follow all safety guidelines.

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.

Shallow Water Pond Aeration Kit Components

| Kit Part # | Compressor | Tubing - 1/2" ID | Diffuser(s)* |
|------------|------------|------------------|--------------|
| PA6SWN | KLC60 | 50' Quick Sink | DM4 |
| PA8SWN | KLC80 | 100' Quick Sink | Two DM4 |

*Replacement 6" rubber membrane diffusers are part number RAD650W. A DM4 assembly includes four RAD650W self-weighted rubber membrane diffusers.

General Instructions

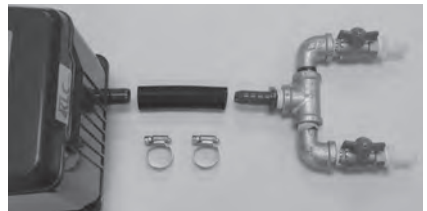
Do not expose the compressor to excessive weathering or to high moisture concentration. While the compressors are weather resistant, it is still advised that you shelter your compressor from the elements to maximize life of unit. Be sure enough venting is available to allow proper air circulation. DO NOT place your compressor in low spots or any place water may puddle. Flooded compressors are not covered under warranty.

1. Place compressor on level surface above the water level.
2. Place compressor in shaded area that is free from excessive dust or moisture.
3. Assemble the diffusers by threading rubber membrane diffusers into provided PVC assembly. Use zip ties to secure diffuser/PVC assembly to plastic underlay. (See included instructions for more detail on assembly and installation of self-weighted diffusers)
4. Attach Quick Sink tubing to barbed outlet of diffuser assembly and secure with hose clamp and tubing with strain relief clamps.
5. Unroll the tubing and install diffuser into pond. This will allow you to trim tubing to length at the compressor. Lower diffusers in the pond where circulation is maximized.
6. Connect the rubber elbow to the compressor with pinch clamps or hose clamps.
7. Connect the ends of airlines to outlet of the compressor and secure with provided hose clamp. For PA8SWN with a manifold system, connect the manifold to the compressor, then connect the end of each airline to manifold system and secure with provided hose clamps.
8. Plug compressor into 120v AC GFCI protected outlet.

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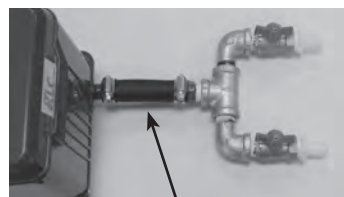
PA8SWN



DM4
Diffuser
Assembly



For assembly and installation, see instructions included with DM4.



Use only supplied short section of tubing to connect compressor to splitter. Do not use longer tubing.

Shallow Water Pond Aeration Kit Features

| Kit Part # | Max. Pond Size | Max. CFM (cubic feet per minute) | Max.* Recommended Depth |
|------------|----------------|-------------------------------------|----------------------------|
| PA6SWN | 3/8 Acre | 3.17 cfm | 7 feet |
| PA8SWN | 3/4 Acre | 3.7 cfm | 8 feet |

Pond shape, depth and condition affect actual maximum pond size.

**Compressors may perform in slightly deeper water, but this is the recommended maximum depth. With deeper water and longer tubing runs the rubber diaphragms will wear out sooner and require replacement more frequently as a wear item. For longer tubing runs an increase in the diameter of the tubing may be necessary to be sure the overall maximum pressure of the compressor is not surpassed.*

Operation

- Compressors are designed for continuous operation. The typical maintenance required is replacement of the diaphragms when needed. All compressors have oil-less motors. Never oil or lubricate the motors.
- Because it can take hours for maximum circulation to be achieved it is recommended to run these systems continuously.
- If you are installing this system at a time when your pond is already stratified (warm on the surface, cold on bottom) you should be careful when first starting the aeration system. If stagnant water on the pond bottom is stirred up too fast, a temporary increase in oxygen demand will occur and, in rare cases, a fish kill could result. If your pond is severely stratified, you should only run your system one to two hours the first day. Each day after that increase then run time by one to two hours during the first week and run continuously after that. This will slowly mix the bottom water without a sudden depletion of oxygen.

Winter Operation

If operated in the winter time there are a few considerations to make.

- You must clearly mark with warnings that there is open water or thin ice. Many states will require this by law.
- Be sure the tubing is buried leading into the pond. If not, ice can form around the tubing, kinking it or possibly shearing it off. This is rare but has occurred.
- It becomes critical to protect the compressor from excess snow and water entering the compressor from the bottom due to flooding or melting snow. A cabinet or shelter is recommended. Be sure that adequate air ventilation is provided or compressor will fail prematurely.
- If lines become frozen, rubbing alcohol can be run down the frozen line to thaw it out.

Maintenance

1. Always unplug unit before service, cleaning or any maintenance.
2. Over time the compressors may need to have the diaphragms replaced. Replacement diaphragm kit is **part number KLC68DK**
3. If not operated in the winter, disconnect the compressor, cover ends of tubing and store compressor out of the elements.
4. Diffusers may need regular cleaning in certain water conditions. This may be every two to five years.

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.
- Inspect compressor diaphragms. Replace as necessary. (See compressor manual for more details)

EasyPro Pond Products Limited Warranty

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

CLC Compressor: **three years** from the date of purchase. (see owner's manual for complete warranty information)

Quick sink tubing and diffusers: **five years** from 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 email 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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