



PROECO
PRODUCTS

IO-2001 IONIZER

Instruction Manual



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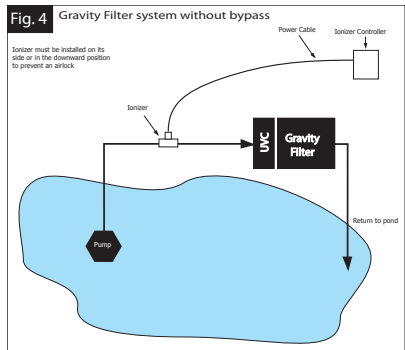
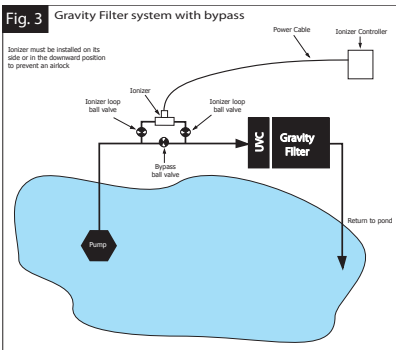
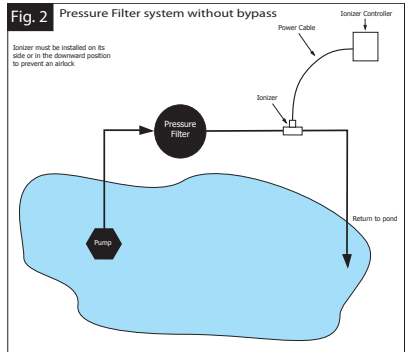
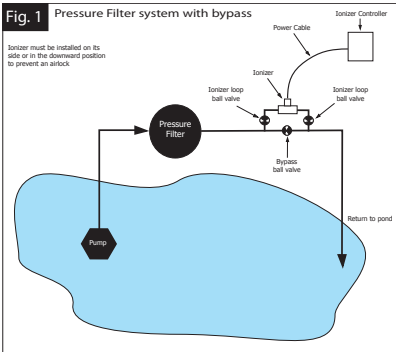
Thank you for purchasing the ProEco Ionizer. Carefully and completely read these instructions before installation. This model may be installed in Ponds, Pond-less Water Features, and Natural Swim Ponds.

INCLUDED PARTS



INSTALLATION

1. Turn off the power to the pond equipment.
2. Depending on your filtration system you will be installing the ProEco Ionizer as shown in figures 1-4. It is recommended that the ionizer is installed in a bypass loop, this will allow for the ionizer to be easily serviced and bypassed when not in use.



If you have 2" PVC pipe use the following installation guidelines:

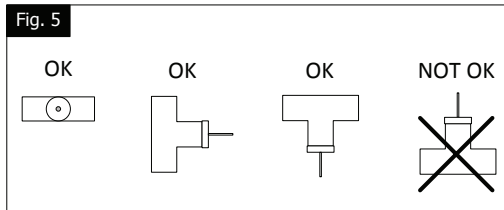
1. Cut a 2 ¾" section out of your existing PVC pipe where the Ionizer Tee will be installed.
2. Glue the Ionizer Tee in place using PVC glue.

If you have 1 ½" PVC pipe use the following installation guidelines:

3. Cut a 3 ½" section out of your existing PVC where the Ionizer will be installed.
4. Glue the 1 ½" x 2" bushings into the 2" Ionizer Tee using PVC glue.
5. Glue the Ionizer Tee in place using PVC glue.

******* Very Important *******

The Ionizer must be installed so that the ionizer port is at or below the water level in the PVC pipe (see figure 5) to insure that no air can get trapped in the port.



The Ionizer is only to be operated when the filtration system is operating. If your filtration system is turned off the Ionizer must be turned off also. For best results the pond should clean and pH balanced prior to installing the Ionizer.

OPERATION

1. Turn on the pond pump. If you are using a bypass close the bypass ball valve and open the Ionizer loop ball valves. All of the return water from your filtration system should now be flowing through the Ionizer.
2. Test the pond water with the copper test kit to see if there is copper already present in the pond.
3. Plug in the Ionizer and set the output voltage on the power supply to the highest setting.
4. You will need to maintain the voltage until the copper level has reached .3 ppm. Monitor your copper level regularly until you reach a .3 ppm level. If you lower the output voltage level or have algae present in your pond it will make it difficult for the copper level to reach .3 ppm.

******* Very Important *******

5. Copper levels higher than .3 ppm. can be harmful to fish and plants.
6. You must maintain your pH between 7.2 and 7.6.
7. Test the copper level regularly until you have found the proper setting for your pond.
8. Set the voltage output to a lower number as needed to reduce the Ionizer output.
9. Do not over Ionize your pond. When the level reaches .3 ppm adjust as necessary to maintain .3 ppm. If the ion level increases past .3 ppm set the Ionizer to the lowest voltage output setting until the level drops to .3 ppm.
10. At least once a year unscrew the Ionizer Assembly and clean the electrodes with a stiff brush and inspect the electrodes. If a significant amount of the anode has eroded the anode will need to be replaced.
11. When operating in the winter in mild climates, or in spring or fall in cold climates, when the water is cooler than normal, you will need to set the output control to a lower setting to maintain .3 ppm copper. Continue to monitor the copper levels until your water temperature drops below 50 degrees F.

WINTERIZATION

1. Turn off power to the Ionizer and your filtration system.
2. Remove the cell from the Tee fitting and insert a plug into the Tee.
3. Inspect and clean the electrodes and store indoors.

IONIZER ANODE REPLACEMENT

The copper anodes on your ionizer will erode over time and become less effective. Once a significant amount of the anode has eroded the anode assembly will need to be replaced.

Contact your local supplier to purchase a replacement anode assembly.

1. Turn off power to the Ionizer and your filtration system.
2. Remove the old Anode Assembly from the Tee fitting.
3. Install the new Anode Assembly into the Tee fitting.
4. Turn on your filtration system and the Ionizer.

Limited Warranty

This PROECO product is covered by a 2-year limited warranty by PROECO PRODUCTS. The limited warranty period begins from the date of purchase and covers material and manufacturing defects or failure of the product to operate as specified by PROECO PRODUCTS during the duration of the limited warranty period.

This limited warranty does not cover failure or problems related to:

- Improper installation, see this manual for proper installation procedures.
- Modification of the product in any way including attempts to repair the product by someone other than a PROECO PRODUCTS trained and authorized repair technician.

- Failure to follow proper safety, care and maintenance guidelines as outlined in this manual.

It also does not cover those parts of the product that are subject to normal wear and tear during usage of the product, such as:

- Impellers on pumps
- Filter pads and filter medium in filters
- Lamps in lights and UV clarifiers

PROECO PRODUCTS's sole liability shall be to replace or repair the product covered by this limited warranty. PROECO PRODUCTS shall not be liable for any consequential damage to any other part of the water garden, pond, water feature, landscape, structure, or the contents of any structure where the product is located or used including no liability for damage or harm to fish, animals, or plants in or around the water garden, pond or water feature.

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Should your PROECO PRODUCTS product be defective or fail under the terms of this limited warranty, you should return the product to your PROECO PRODUCTS dealer, along with your original receipt of purchase and any other limited warranty documentation you have, for replacement or repair. Should you have any question about this limited warranty, please contact PROECO PRODUCTS at info@proecoproducts.com