



**MODEL NUMBERS:**  
BP-3000  
BP-4000

# **BIO-PRO**

## **PRESSURE FILTER**

### **OWNER'S MANUAL**



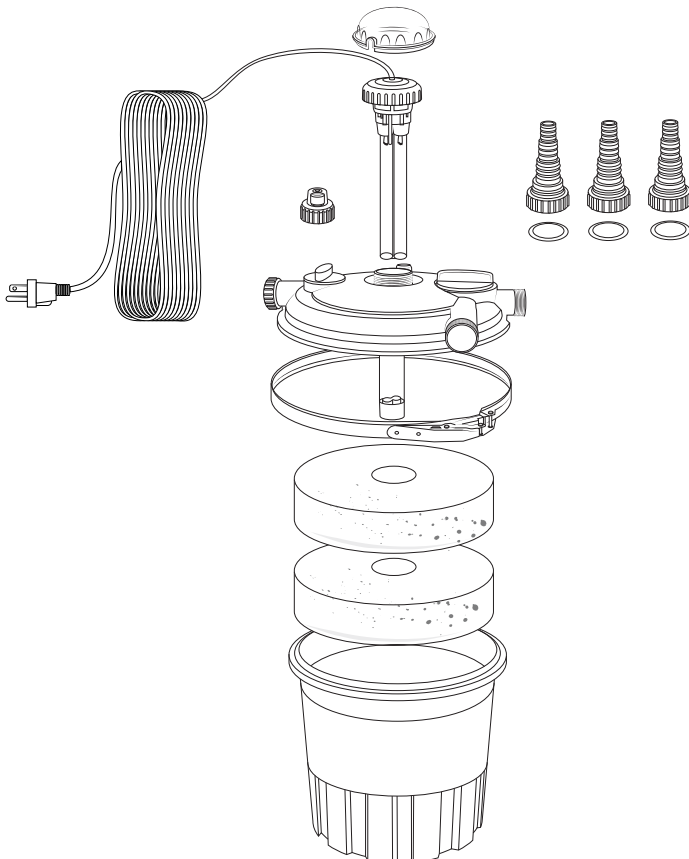
# PLEASE READ THIS MANUAL SAVE FOR FUTURE REFERENCE

**THE INSTRUCTIONS AND WARNINGS HEREIN PRESUME EXISTING FAMILIARITY WITH THE DESIGN AND FUNCTION OF THESE AND SIMILAR PRODUCTS AND THEIR COMPONENTS.**

The model(s) represented in this manual may have additions and/or modifications made at any time. Pictures represent a standard unit series and an actual unit may vary slightly. This manual is based on the latest product information available at the time of creation or last revision. It is believed to be generally accurate and reliable. Please consult our customer service representatives here at Anjon Manufacturing if detailed information is desired, or whenever there is a question about a given unit's configuration or performance specifications at **1-800-553-5605**.

## BIO-PRO PRESSURE FILTER MODEL CHART

| Model no. | Rated Voltage   Hertz | Bulb Wattage | Rated Current (Input Amps) | Maximum Pump Size (GPH) | Maximum Water Garden (Gallons) |
|-----------|-----------------------|--------------|----------------------------|-------------------------|--------------------------------|
| BP-3000   | 120V   60Hz           | 18           | 0.15 A                     | 3,300                   | 3,000                          |
| BP-4000   | 120V   60Hz           | 24           | 0.20 A                     | 4,100                   | 4,000                          |



# Introduction

**Congratulations** on your purchase of an **Anjon Manufacturing BioPro Pressure Filter**! Thank you for being a valued customer! We are grateful for the opportunity to provide you with superior products, such as a BioPro Pressure Filter that is manufactured to the highest standards using quality materials.



## MISSING PARTS?

THERE IS NO NEED TO RETURN THIS PRODUCT TO YOUR RETAILER.

CALL US AT **1-800-553-5605**

AND WE WILL MAKE IT RIGHT!

## Safety First

It is recommended that you thoroughly read and understand this manual prior to initial startup, and before you attempt to service the model of BioPro Pressure Filter this applies.

If you have any questions, we'll be happy to help. Please call us, at **1-800-553-5605**.

### THE FOLLOWING PRECAUTIONS AND WARNINGS ARE FOR YOUR SAFETY!



**Attention:** This Debris Trap is designed to work while the filter system is running under pressure. Never attempt to clean or service this unit, or the pump it is connected to while the system is running. Always disconnect power when cleaning the debris trap.

This unit is designed for outdoor use only.

### NEVER SUBMERGE THE FILTER BODY IN WATER.

- **Never** plug-in, or use this product, if any part of it appears to be damaged or operates abnormally.

If you need help troubleshooting, please call us at **1-800-553-5605**.

- **Never** operate this pressure filter connected to any voltage other than that what is shown on the pressure filter.
- This pressure filter is designed to be buried in ground **(Not Required.)**
- **Never** leave children unattended around this pressure filter while operating.
- **Always** have this pressure filter connected to properly grounded GFCI electrical outlet only! A “hard-wire” installation will result in your warranty being voided.
- **Always** disconnect from electrical supply before handling, maintenance, and troubleshooting is performed on your pressure filter.
- **The UV light should be turned “OFF”** when there is no water inside your pressure filter to avoid overheating.
- **Avoid** direct contact to your skin and exposure to your eyes from the UV light. It can be extremely harmful and will result in injury.

# WARNING



## ELECTRICAL SHOCK HAZARD

This product must be properly grounded!



Do not modify the plug provided. Only plug into GFCI electrical outlet. If you do not have a GFCI outlet, we recommend you have one properly installed by a qualified electrician!

If the cord should ever need repair or replacement, please contact Anjon Manufacturing's Customer Service Representative for further instructions on how to have your product serviced. **NEVER** modify the cord or plug on your product!

Be sure that your source of power is correctly wired and in proper operating condition. Never hard-wire or permanently connect this product to a power source!

Failure to follow these instructions can result in fire, serious injury from electrical shock, or even death!



**Attention:** Do not operate this filter under any conditions other than those it is specified. Failure to observe these precautions can result in serious injury and will void the warranty!

## Remember, Correct Installation is Your Responsibility!

Make sure you have the proper installation conditions. The Bio-Pro Series Pressure Filter needs to be protected from any objects/debris during operation. Before beginning assembly or operation of product, make sure all parts are present.

**If any part of your Bio-Pro Pressure Filter is missing or damaged, do not attempt to assemble, install, or operate.**

## Electrical Requirements

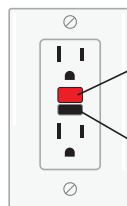
The Bio-Pro Pressure Filter is rated at 120 Volts 60Hz. Always use a power supply that matches this rating and confirms with the label on your unit.

The cord must be plugged into a **GFCI** outlet that is properly installed and grounded in accordance with all local codes and ordinances.

**A hardwired installation is not recommended and will result in the warranty being voided!**

It is your responsibility to contact a qualified electrician and assure that the electrical installation is adequate and conforms with all national and local codes and ordinances. Before operating, make sure the pressure filter is securely installed.

### EXAMPLE OF A GFCI OUTLET (GROUNDED FAULT CIRCUIT INTERRUPT)



RESET BUTTON

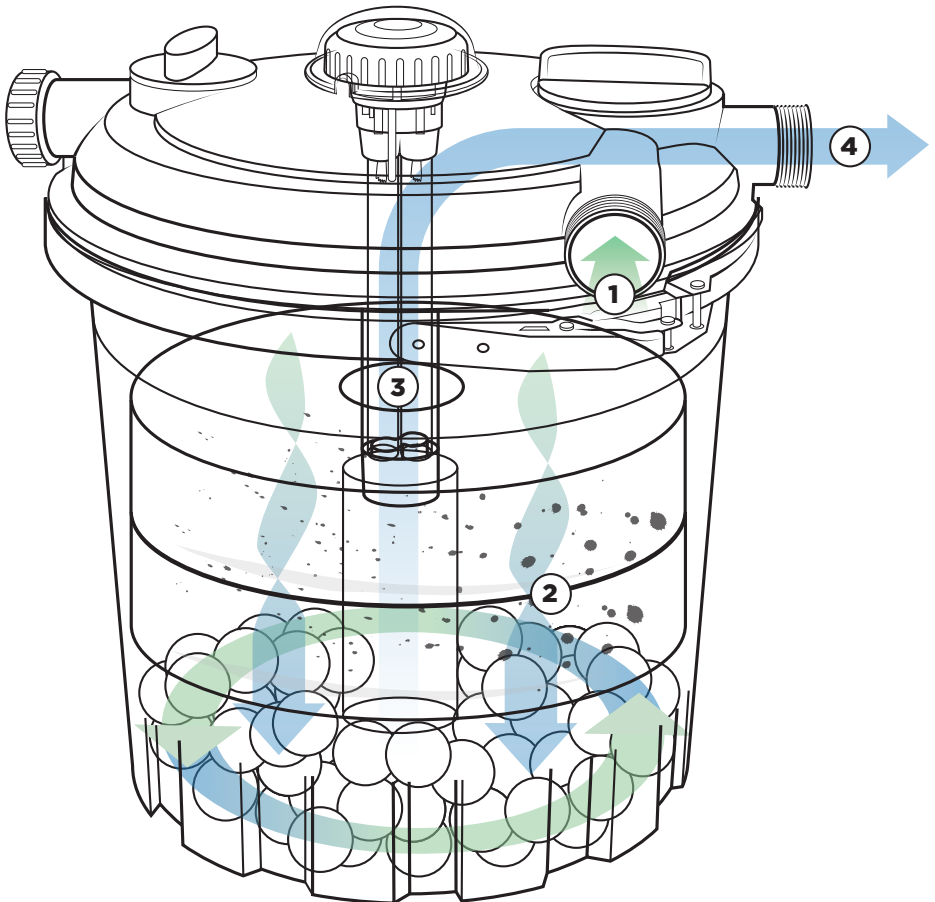
TEST BUTTON

# How the Bio-Pro Pressure Filter Works

The Bio-Pro Pressure Filter is designed to keep your pond water clean, clear, and healthy by combining mechanical and biological filtration with built-in UV clarification.

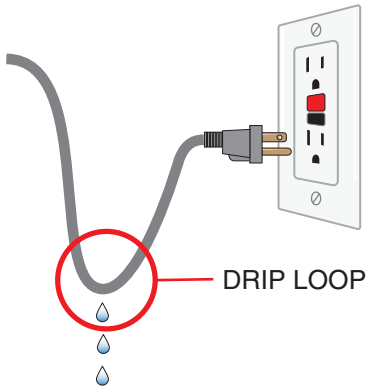
How it works step by step:

1. **Water Inlet** – Pond water is pumped into the filter under pressure.
2. **Mechanical Filtration** – Inside the filter, a series of sponges trap dirt, debris, and fine particles, keeping them from returning to your pond.
3. **UV Clarifier** – The built-in UV light targets algae, preventing green water, and keeping your pond crystal clear.
4. **Clean Water Outlet** – The filtered and clarified water flows back into your pond, maintaining a healthy and visually clear water environment.



# Using Your Bio-Pro Pressure Filter

- **Backwashing Function:** Cleaning is simple! Use the backwash valve to flush debris from the filter. This process helps maintain performance and keeps the filter media working efficiently.
- **Monitoring:** The clear transformer cap on top of the lid allows you to safely and easily monitor when the UV lamp is operating.
- **Debris Protection:** The pressure filter is designed to resist damage from loose debris, mud, or rocks in the pond. This helps prevent premature clogging and protects both the filter and your fish.
- **Electrical Safety:** Ensure the power connection is secured in a waterproof location, at least 6 feet (2 meters) from the water. Create a “drip loop” in the cord below the outlet to prevent water from running into the electrical connection.
- **Power On/Off:** Simply plug in the filter to turn it on and unplug to turn it off.
- **Maintenance:** Following a routine maintenance schedule is critical for proper operation and will extend the life of your filter.
- **Adding Bacteria:** When adding beneficial bacteria to the filter, turn off the UV lamp for 48 hours to ensure proper bacterial growth.



## RECOMMENDED PUMP AND TUBING SIZES

| Model no. | RECOMMENDED PUMP |              | RECOMMENDED TUBING |           |
|-----------|------------------|--------------|--------------------|-----------|
|           | Monsoon Series   | Flood Series | Freeze Flex        | Kink Free |
| BP-3000   | AP-3000          | MA-3300      | 1.5"               | 1.5"      |
| BP-4000   | AP-4000          | MA-4100      | 1.5"               | 1.5"      |

## Freeze Flex Tubing

For the best water flow and long-term durability, choose the correct tubing size for your pressure filter. We recommend Freeze Flex Tubing.

Freeze Flex is engineered for ponds and waterfalls where strength and reliability matter most. It's flexible enough to install easily, and tough enough to resist kinking and collapsing under pressure. Freeze Flex maintains its integrity without cracking, splitting, or reducing performance. Even in freezing conditions!

Using Freeze Flex ensures maximum flow, fewer clogs, and a tubing system that lasts for years.



# Installation

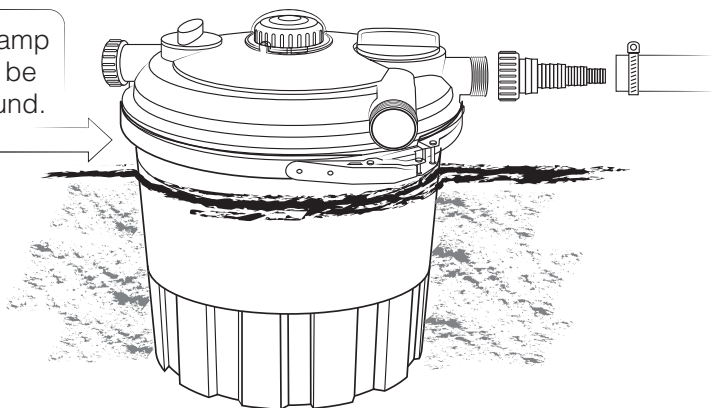
- **Choose a Location:**

Select a suitable spot for your filter.

- **Prepare a Filter Hole:**

Dig a hole deep enough to partially bury the filter, positioning it upright and level. The unit should be burried up to the filter's clips/clamp.

Bio-Pro Filter clamp should always be above the ground.



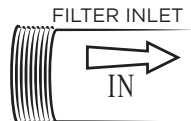
- **Dig a Channel:**

Create a 6-inch-deep channel between the pressure filter and upper pond basin to hide tubing.

- **Connect the Inlet:**

Attach flexible hose from your pump to the filter's "Inlet" connector (arrow symbol). Lay hose in the channel.

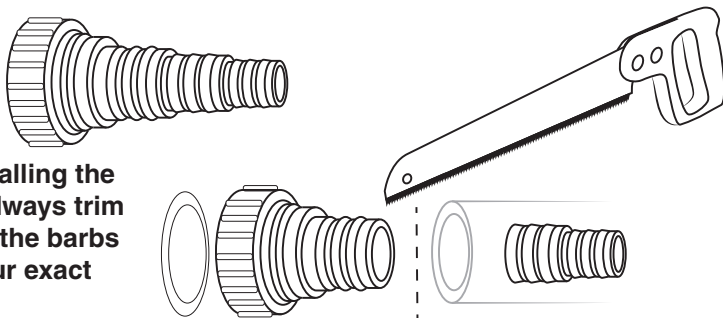
**Cut barbs to fit exact hose size. Use a hacksaw or hand saw to safely cut to the desired barb length.**



- **Connect the Outlet:**

Attach hose from the filter's "Outlet" connector (arrow symbol) to the waterfall. Lay hose in the channel.

**Cut barbs to size.**



- **Secure Connections:**

Use stainless steel clamps on all tubing connections for a watertight seal.

- **Check UV Lamp:**

The viewing glass on the top lid will glow indicating when the UV bulb is in operation.

- **Test the System:**

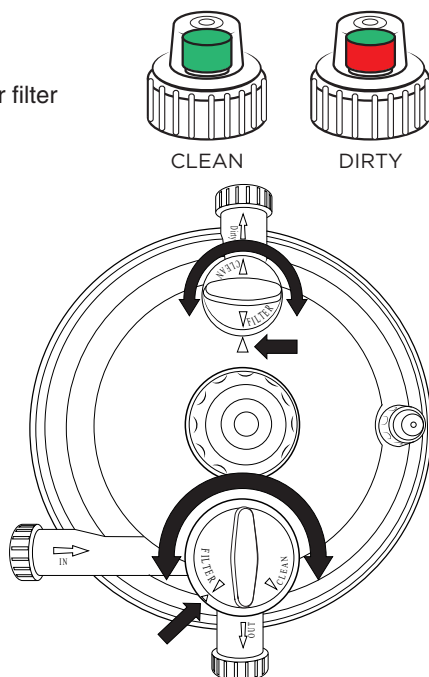
Submerge the pump, then plug in both the pump and filter to check performance

## Backwashing & Maintenance

Keeping your Bio-Pro Pressure Filter in top condition is simple and helps ensure clear, healthy water in your pond.

### To clean the filter:

- If the Pressure indicator shows RED, your filter requires backwashing.
- Shut off Power to the pump.
- Set both valves to the "CLEAN" position. Align the valve with the arrows on the filter tank lid.
- If you're using the cap on the backwash port, make sure the cap has been removed. If you have a backwash hose attached, make sure it is not kinked or twisted.
- Restart the pump to flush accumulated debris out through the waste line. Allow it to run for 1 or 2 minutes, or until the water in the waste line runs clear.
- Once backwashing is complete, turn off the pump.
- Return both valves to the "FILTER" position, and restart the system for normal operation.
- It's recommended to clean the filter mats once every 2-3 backwashes. To clean them, open the filter tank, remove the filter mats and hose them off. **DO NOT** use cleaners or soap to clean the filter mats.
- Periodically inspect all hoses and stainless steel clamps to make sure connections remain secure and leak-free.
- The UV bulb plays a key role in controlling algae and bacteria. Make sure that it is always illuminated and replace as needed.
- Occasionally removing the pump to clear any debris will help maintain strong water flow and consistent filtration. For ponds that may be inactive during colder months, follow proper winterizing steps to protect the filter and pump from potential damage.



### Note:

The Bio-Pro Filter has a safety device on the ballast near the bulb's socket. This metal tab prevents the bulb from lighting when outside the unit. Only test the bulb when it is installed inside the pressure filter. To verify that the bulb is functioning, check the clear plastic view port on top of the filter.

**Following these simple maintenance steps regularly, will help keep your pond clear, healthy, and looking its best all year round.**

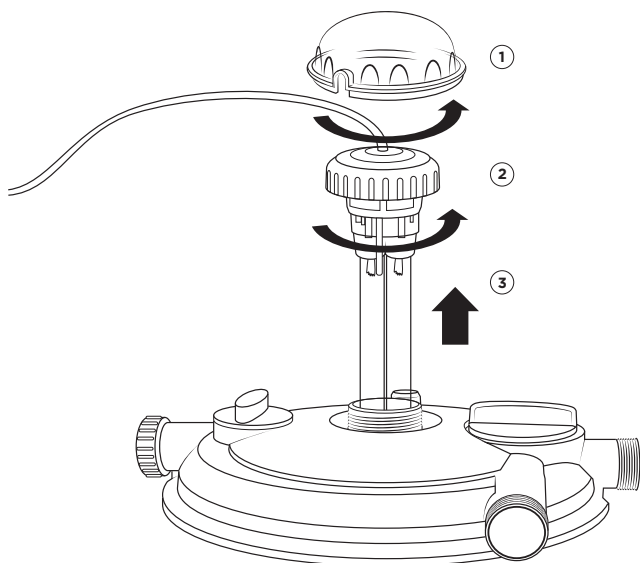
# Changing the UV Bulb

## When to Replace:

If pond water turns green, check the UV bulb. Replace if over 12 months old or no longer producing UV rays.

## To Remove Bulb:

- Turn power off to the filter system. Never open pressure filter while the filter system is running.
- Twist clear cover to the left, until teeth disengage. Lift and remove.
- Turn the UV light base counterclockwise to loosen.
- Lift the UV light base out gently. The lightbulb can shatter or break

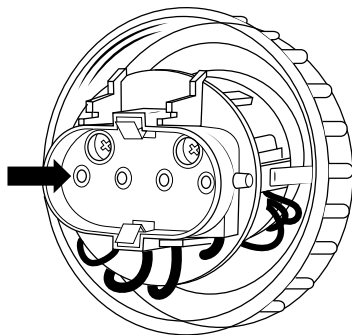


## Clean Glass Tube:

Let the bulb and ballast cool and dry. Remove the quartz glass tube, clean off deposits, and reinstall. Make sure no debris or mineral deposits are left on the glass.

## Install New Bulb:

Grip the base (not the glass) with a dry cloth and gently pull out the old bulb. The bulb has pins that will slot into the socket. Slide the new bulb until fully seated in the socket.



## Reassemble:

Ensure O-rings and gaskets are correctly placed before testing.

## Tip:

*Replace UV bulbs every 12 months for best results.*

# Troubleshooting

| ISSUE                                 | CAUSE                                                                                                 | SOLUTION                                                                                                                                                                                                                                                |
|---------------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Water turning green                   | UV bulb is off, expired, or not producing UV rays.                                                    | <ul style="list-style-type: none"> <li>Check that the UV bulb is turned on.</li> <li>If the UV bulb is over 12 months old, replace it.</li> </ul> <p>Follow replacement instructions. Ensure UV bulb is unplugged and cooled off before handling.</p>   |
| Low water flow or reduced performance | <p>Filter media clogged with debris</p> <p>inlet/outlet blocked<br/>pump not performing properly.</p> | <ul style="list-style-type: none"> <li>Check pressure indicator. If red, clean filter using backwash function or manual cleaning.</li> <li>Remove debris from inlet/outlet.</li> <li>Ensure pump is working and pond water level is adequate</li> </ul> |
| Filter runs “dry”                     | Water flow restricted by clogged media, debris in pond, or blocked tubing                             | <ul style="list-style-type: none"> <li>Remove debris from pond and tubing.</li> <li>Clean filter media as needed.</li> </ul> <p>Avoid letting pump run with no water supply to prevent damage.<br/><b>NOT COVERED UNDER WARRANTY</b></p>                |
| UV bulb not lighting                  | Bulb burned out<br>Ballast not functioning<br>Electrical connection faulty.                           | <ul style="list-style-type: none"> <li>Replace UV bulb if expired.</li> <li>Check ballast connections and GFCI outlet.</li> <li>If problem persists, contact customer support.</li> </ul>                                                               |
| Frequent Clogging                     | Excess debris; mud or rocks entering filter from pond                                                 | <ul style="list-style-type: none"> <li>Remove large debris from pressure filter.</li> <li>Consider adding a pre-filter or skimmer to help catch solids before they reach the pressure filter</li> </ul>                                                 |
| Water leaking from filter             | Loose fittings, damaged O-rings or gaskets, or improperly seated lid                                  | <ul style="list-style-type: none"> <li>Check and tighten fittings.</li> <li>Inspect O-rings and gaskets. Replace if worn or damaged.</li> <li>Ensure lid is aligned and clamped securely.</li> </ul>                                                    |

For technical support and warranty support, contact the distributor you purchased this product from. If you still need help or product support, call us at 800-553-5605 or email [sales@anjonponds.com](mailto:sales@anjonponds.com)

# Replacement Parts

| MODEL              | Part                           | SKU            |
|--------------------|--------------------------------|----------------|
| BP-3000<br>BP-4000 | Filter Set for<br>BP-3000/4000 | FS-BP3000-4000 |



| MODEL   | Part                                       | SKU         |
|---------|--------------------------------------------|-------------|
| BP-3000 | 18 Watt UV Replacement<br>Bulb for BP-3000 | ANJ18WATTUV |
| BP-4000 | 24 Watt UV Replacement<br>Bulb for BP-4000 | ANJ24WATTUV |



| MODEL   | Part                                           | SKU        |
|---------|------------------------------------------------|------------|
| BP-3000 | Replacement 18 Watt<br>Transformer for BP-3000 | TRUV18WATT |
| BP-4000 | Replacement 24 Watt<br>Transformer for BP-4000 | TRUV24WATT |



| MODEL   | Part                                          | SKU      |
|---------|-----------------------------------------------|----------|
| BP-3000 | Replacement 18 Watt<br>Glass Tube for BP-3000 | GT18WATT |
| BP-4000 | Replacement 24 Watt<br>Glass Tube for BP-4000 | GT24WATT |



## Winterizing

Freezing weather can damage your Bio Pro Pressure Filter. We recommend following these steps to ensure your filter is ready to use each spring.

- Drain all water from your filter tank
- Disconnect the pump
- Disconnect the plumbing lines from the filter head
- Remove the Filter pads. Allow them to dry before storing
- Remove the UV Bulb
- Unplug the UV light transformer
- Bio Balls can be dried and stored in the filter tank
- For best protection, we recommend draining the unit, and once dry, storing it in a garage or shed

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[anjonmfg.com](http://anjonmfg.com)

**Everything you need to build, prepare & maintain your pond all year long.**

# LIMITED WARRANTY

Products manufactured by Anjon Manufacturing are warranted to the original user only to be free of defects in material and workmanship for a period of:

## **Models: BP-3000 BP-4000**

**24 months from the date of purchase, but no more than 30 months from the date of manufacture.**

ANJON MANUFACTURING liability under this warranty shall be limited to repairing or replacing, at ANJON MANUFACTURING's discretion, without charge, F.O.B. ANJON MANUFACTURING will not be liable for any cost of removal, installation, transportation, or any other charges which may arise in connection with a warranty claim.

To obtain service under this warranty, the defective product must be returned to the distributor or dealer of ANJON MANUFACTURING's products from which it was purchased together with proof of purchase and installation date, failure date, and supporting installation data. Unless otherwise provided, the distributor or dealer will contact ANJON MANUFACTURING or an authorized service station for instructions. Any defective product to be returned to ANJON MANUFACTURING or a service station must be sent freight prepaid: documentation supporting the warranty claim and/or a Return Merchandise Authorization (RMA) must be included if so instructed. In the absence of suitable proof of purchase date, the effective date of this warranty will be based upon the date of manufacture.

Any replacement product may be either new or like-new, provided that it has functionality at least equal to that of the product being replaced. No requests for service under this warranty will be accepted if received more than 30 days after the term of the warranty. Correction of defects, in the manner and for the duration of the warranty described in this warranty, shall constitute complete fulfillment of all liabilities and responsibilities of ANJON MANUFACTURING to the user with respect to the product, and shall constitute full satisfaction of all claims, whether based on contract, negligence, and strict liability or otherwise. Except for the obligations specifically set forth in this warranty, in no event shall ANJON MANUFACTURING be liable for direct, indirect, special, incidental, or consequential damages, whether based on contract, tort, or any other legal theory and whether advised of the possibility of such damages.

ANJON MANUFACTURING reserves the right to change or improve its products or any portions thereof without being obligated to provide such a change or improvement for units sold and/or shipped prior to such a change or improvement.

THERE ARE NO EXPRESS OR IMPLIED WARRANTIES, INCLUDING MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH EXTEND BEYOND THOSE WARRANTIES DESCRIBED OR REFERRED TO ABOVE EXCEPT AS EXPRESSLY HEREIN PROVIDED THE GOODS ARE SOLD "AS IS", THE ENTIRE RISK AS TO QUALITY AND FITNESS FOR A PARTICULAR PURPOSE, AND PERFORMANCE OF THE GOODS IS WITH THE BUYER, AND SHOULD THE GOODS PROVE DEFECTIVE FOLLOWING THEIR PURCHASE, THE BUYER AND NOT THE MANUFACTURER, DISTRIBUTOR, OR RETAILER ASSUMES THE ENTIRE RISK OF ALL NECESSARY SERVICING AND REPAIR.

Some jurisdictions do not allow the exclusions or limitation of incidental or consequential damages and some jurisdictions do not allow limitations on how long implied warranties may last or require you to pay certain expenses as set forth above. Therefore, the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from jurisdictions to jurisdiction.

Requests for review of a potential warranty claim can be submitted to [returns@anjonmfg.com](mailto:returns@anjonmfg.com)

You can also submit your request online at:  
<https://anjonmfg.com/warranty/>



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