AllClear™ G2 Series
Pressurized Filters
Product Manual

For Models:
• AllClear™ G2 2000 (Item #130050)
• AllClear™ G2 3500 (Item #130051)
• AllClear™ G2 4500 (Item #130052)

Table of Contents:
Important Information ........................................... 2
Package Contents .................................................. 3
Technical Specs .................................................... 3
How it Works ....................................................... 4
Installing Your AllClear™ G2 Filter ....................... 5-6
Maintaining Your AllClear™ G2 Filter .................... 7-11
Troubleshooting .................................................. 12
Replacement Parts ............................................... 14-15
Warranty Information .......................................... 16
IMPORTANT INFORMATION:
Please read these instructions thoroughly before use. Failure to follow instructions may result in equipment damage or failure, losses, injury or death.

⚠️ DANGER: ⚠️

To avoid possible electric shock:
- If the power cord has been damaged, DO NOT operate, the AllClear™ G2 Filter unit should be replaced.
- Prior to installation, inspect the quartz sleeve and UVC bulb to ensure there was no damage during transportation.
- After installation, the AllClear™ G2 Filter should be examined to ensure there is no water on parts not intended to be wet.
- If the AllClear™ G2 Filter shows signs of any water leakage, immediately unplug it from the power source.
- If the AllClear™ G2 Filter falls into the water, DO NOT reach for it. First unplug and then retrieve it.
- Close supervision is necessary when the unit is used by or near children.

⚠️ WARNING: ⚠️

To reduce the risk of electric shock:
- Connect only to a properly grounded receptacle, which is serviced by a Ground Fault Circuit Interrupter and never remove the ground pin from the plug.
- Provide a “drip loop” for the power cord. This is a loop in the cord below the level of the receptacle or plug that prevents water from traveling along the cord in the direction of the receptacle.
- ALWAYS unplug the AllClear™ G2 Filter from power source when it is not in use, and before installing, removing or servicing the AllClear™ G2 Filter components.
- If an extension cord is necessary, a cord with a proper rating should be used. A cord may overheat if the cord is rated for less amperes or watts than the unit rating.
- DO NOT immerse the AllClear™ G2 Filter or plug in water or attempt to use a wet plug. Minimum safety distance between unit and water is 6.5ft.
- The AllClear™ G2 Filter is NOT suitable for use in swimming pools, swimming ponds, or other situations where bodily contact is made with the water. Although the AllClear™ G2 Filter is designed for outdoor use, it should never be submerged in water.

Avoid contact with the UVC light. Light omitted can be harmful to the eyes and skin.

⚠️ CAUTION: ⚠️

To reduce the risk of equipment damage or failure:
- DO NOT place the AllClear™ G2 Filter in direct sunshine.
- DO NOT place the AllClear™ G2 Filter near flammable or other dangerous materials or objects.
- DO NOT use the AllClear™ G2 Filter for fluids other than water.
- ALWAYS unplug the unit if there is no water running through it to prevent over heating.
- The AllClear™ G2 Filter is NOT submersible; do not place the AllClear™ G2 Filter where it might contact or fall into the water. Partial burial of the unit is recommended.
- DO NOT operate during freezing conditions. Disconnect, drain and store the AllClear™ G2 Filter in a protected location.
- DO NOT operate the AllClear™ G2 Filter with a pump larger than the maximum flow rate indicated by the filter specifications. Operating with a pump larger than recommended can reduce the filters effectiveness and cause damage to the filter or UVC and will NOT be covered under warranty.
- ALWAYS cap the backflush outlet when not in use to avoid unintended draining.

IMPORTANT:
The Pond Guy® is not responsible for equipment damage or failure, losses, injury or death resulting from failure to follow safety precautions, misuse or abuse of equipment.
Package Contents

**ALLCLEAR™ G2 FILTER:**

### TECHNICAL SPECS:

<table>
<thead>
<tr>
<th>MODEL</th>
<th>POWER</th>
<th>UV</th>
<th>MAX FLOW RATE</th>
<th>MAX POND SIZE (GALLONS)</th>
<th>PLUMBING SIZE</th>
<th>POWER CORD LENGTH</th>
<th>DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>AllClear™ G2 2000</td>
<td>120V / 60 Hz</td>
<td>9 Watts</td>
<td>2,000 GPH</td>
<td>2,000</td>
<td>1&quot; - 1¼&quot; Kink Free Tubing</td>
<td>16'</td>
<td>15&quot;D x 16 ½&quot;H</td>
</tr>
<tr>
<td>AllClear™ G2 3500</td>
<td></td>
<td></td>
<td>2,650 GPH</td>
<td>3,500</td>
<td></td>
<td></td>
<td>15&quot;D x 21 ¼&quot;H</td>
</tr>
<tr>
<td>AllClear™ G2 4500</td>
<td></td>
<td></td>
<td>3,600 GPH</td>
<td>4,500</td>
<td></td>
<td></td>
<td>15&quot;D x 26 ½&quot;H</td>
</tr>
</tbody>
</table>
HERE’S HOW IT WORKS:

1. Water flows through the filter inlet and into the UV chamber.

Within the chamber larger particles are clumped together so they can be removed from the water. Larger AllClear™ G2 filters also include a UVC-Reflector. This intensifies the power of the UV so a smaller more energy efficient UV can be used on larger filters, while providing the same great benefits.

2. Next, water travels through layers of filter media arranged in alternating low and high density to provide mechanical and biological filtration. The beneficial bacteria that grow in the media pads break down ammonia and nitrites that can diminish water quality and be harmful to aquatic life.

3. Finally, the water exits the filter and proceeds back into your pond or waterfall.
INSTALLING YOUR ALLCLEAR™ G2 FILTER:

For Best Results

- Run the AllClear™ G2 Filter 24 hours a day.
- DO NOT operate the AllClear™ G2 Filter with a pump larger than the maximum flow rate indicated by the filter specifications. Operating with a pump larger than recommended can reduce the filter's effectiveness and cause damage to the filter or UVC and will NOT be covered under warranty.
- DO NOT operate during freezing conditions. Disconnect, drain and store the AllClear™ G2 Filter in a protected area.

Tools Required:

- Shovel
- Hacksaw
- Flathead Screwdriver or Nut Driver

Step 1
Determine Filter Location

The AllClear™ G2 Filter is pressurized and may be installed in any location outside of the pond on a solid surface. Avoid locations that are prone to water puddles or areas where the filter could fall into the pond. It is recommended to partially bury the filter in the ground leaving only the filter top and clamps exposed.

Step 2
Mark Filter Location

Set the filter in the selected location and use a shovel to mark an area slightly wider than the filter.

Step 3
Excavate Hole and Insert Filter

Excavate the hole deep enough for the clamp on the filter top to remain a few inches above the ground's surface, and then insert the filter. Be sure to position the filter so the inlet and outlet are setup for easy connection to your plumbing. Finish by backfilling dirt around the filter to keep it in place.
Step 4
Attach the Fittings
Attach the fittings to the inlet and outlet of the AllClear™ G2 Filter with the compression ring. The o-rings should be between the filter housing and the step down fitting to create a watertight seal when secure. Note: The outlet on the opposite side of the filter is reserved for the backflush option. This outlet should remain capped unless the backflush is in use.

Step 5
Cut Fittings to Size
Temporarily slide your tubing onto the fitting to determine the size connection you will use. Then, cut the fittings to the largest connection that will work with your plumbing to ensure maximum water flow.

Step 6
Connect the Plumbing
Connect the plumbing coming from your pump into the inlet indicated on the filter and secure with a hose clamp. Then, connect plumbing that will return the water to your pond or waterfall into the outlet indicated on the filter and secure with a hose clamp.

Step 7
Plug in Pump and Filter
Plug your pump into a GFCI protected outlet. Once water is flowing through the filter plug the AllClear™ G2 UV Filter into a GFCI protected outlet.

Protect Your Investment
AllClear™ Rock Cover
Camouflage and protect the AllClear™ G2 Filter from the outside elements use an AllClear™ Rock Cover. View online at thepondguy.com/allclearg2
Step 1
Unplug
Unplug your pump and filter.

Step 2
Connect a Discharge Hose
Connect a discharge hose to the backflush outlet and turn the dial from filter to clean.

Step 3
Plug the Pump In
Plug the pump in and pull the handle on the top of the filter slowly. This compresses the filter media, aiding in the discharge of debris. Do this for 60 seconds, or until the water exiting the backflush is clear.

Step 4
Once Water is Clear, Unplug Pump
Once the water is clear, unplug the pump, remove the discharge hose and cap the backflush outlet.

Step 5
Plug Pump In
Restore power to both your pump and filter.
**MAINTAINING YOUR ALLCLEAR™ G2 FILTER:**

**WARNING:**
Before performing any maintenance, always unplug the AllClear™ G2 Filter from the power source.

Watch a video of the AllClear™ G2 Filter maintenance online @ www.thepondguy.com/allclearg2

**Tools Required:**
- #2 Phillips Screwdriver
- Replacement UV Bulb
- Soft, damp cloth
- Descaler such as Pond Equipment Cleaner
- Replacement quartz sleeve if yours is damaged or cracked
- Replacement filter media pads

**REPLACING THE FILTER MEDIA:**
We recommend that filter pads be replaced yearly or when pads show signs of wear and tear.

**Step 1**
**Remove Filter Top**
Slide the clamp on the filter to the open position and remove the filter top.

**Step 2**
**Remove Screws**
Remove the 2 screws holding the rods onto the filter media base.
Step 3
Replace Media Pads
Replace the media, keeping the pads in the same order as the ones you removed.

Step 4
Place the Base Back
Place the base back onto the filter media and secure to the rods with the 2 screws.

Step 5
Replace Filter Top
Replace the filter top, be sure the filter o-ring is properly seated, and secure with the filter clamp.

REPLACING UV BULB AND CLEANING/REPLACING THE QUARTZ SLEEVE

Over time the effectiveness of the UV bulb will degrade. We recommend replacing the UV bulb once a year, even if the bulb operates, to maintain maximum results. The quartz sleeve should be cleaned yearly or when water clarity is reduced. Note: Condensation may form on the quartz sleeve. This cannot be avoided and does not impair the function or safety of the unit.

Step 1
Remove Filter Top Screws
Use a phillips screwdriver to remove the 4 screws securing the UV to the filter top.
MAINTAINING YOUR ALLCLEAR™ G2 FILTER:

Step 2
Unscrew Compression Nut
Unscrew the compression nut and gently pull out the quartz sleeve.

Step 3
Remove UV Bulb
Pull gently on the base of the UV bulb to remove it.

Step 4
Insert New Bulb
Insert the new bulb taking care not to touch the bulb as the oils from your hands can cause damage.

Step 5
Transfer Protective Cap
Transfer the rubber protective cap from your old bulb onto the new one.

Step 6
Clean Quartz Sleeve
Clean the quartz sleeve with a soft cloth or sponge. The quartz sleeve should be cleaned yearly or when water clarity is reduced. You may find the use of Pond Equipment Cleaner helpful for removing debris. If the quartz sleeve if it is scratched, damaged, or cracked, it must be replaced.
MAINTAINING YOUR ALLCLEAR™ G2 FILTER:

Step 7
Reinstall Quartz Sleeve
Reinstall the o-ring, quartz sleeve, compression nut and screw to lock into place.

Step 8
Insert UV into Filter
Insert the UV back into the filter top and secure with the 4 screws. Note: Screws must be tightened enough to engage the UV trigger, you will hear a “click” when the UV is secure.

Step 9
Test UV
Plug in the UV briefly to test it. You will see a glow on the back of the UV indicating that it is operating.

Winter Storage
The AllClear™ G2 Filter should not be operated during freezing temperatures and should be disconnected, drained, cleaned and stored for the winter.
TROUBLESHOOTING:
If water is not clear, check the following:

• Check that the UVC Filter is operating. If the UVC lamp has overheated due to lack of water flow it will automatically turn off. Allow lamp to cool then reconnect.
• Replace UVC bulb if it has not been replaced in the past year, even if it is operational.
• Check that the quartz sleeve is clean and not damaged.
• Verify that the proper amount of water is flowing through the filter. See recommendation for proper water flow on the Technical Specs chart.
• Verify that filter media is not plugged with debris or needs cleaning.

Loss of water flow, check the following:

• Verify pump is not plugged with debris.
• Verify filter media is not plugged with debris.
• Verify filter is not leaking causing a loss of pressure.

Filter is leaking, check the following:

• Verify that the proper amount of water is flowing through the filter. See recommendation for proper water flow on the Technical Specs chart.
• Verify O-rings are seated correctly.
• Verify filter canister has not been damaged.
## REPLACEMENT PARTS: Filter Top & UV

<table>
<thead>
<tr>
<th>DIAGRAM</th>
<th>DESCRIPTION</th>
<th>AllClear™ G2 2000</th>
<th>AllClear™ G2 3500</th>
<th>AllClear™ G2 4500</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Filter Top (Lid)</td>
<td>130082</td>
<td>130082</td>
<td>130082</td>
</tr>
<tr>
<td>B</td>
<td>UV Transformer</td>
<td>130095</td>
<td>130089</td>
<td>130096</td>
</tr>
<tr>
<td>C</td>
<td>9W UV Bulb</td>
<td>110306</td>
<td>110306</td>
<td>110306</td>
</tr>
<tr>
<td>D</td>
<td>Quartz Sleeve</td>
<td>130074</td>
<td>130074</td>
<td>130074</td>
</tr>
<tr>
<td>I</td>
<td>Operating Pieces</td>
<td>130090</td>
<td>130090</td>
<td>130090</td>
</tr>
<tr>
<td>J</td>
<td>Gasket Kit</td>
<td>130087</td>
<td>130087</td>
<td>130087</td>
</tr>
<tr>
<td>K</td>
<td>Screw Set</td>
<td>130091</td>
<td>130091</td>
<td>130091</td>
</tr>
<tr>
<td>L</td>
<td>Fitting Kit</td>
<td>130088</td>
<td>130088</td>
<td>130088</td>
</tr>
<tr>
<td>M</td>
<td>PVC Fitting Kit</td>
<td>130036</td>
<td>130036</td>
<td>130036</td>
</tr>
</tbody>
</table>

---

**Diagram Description:**

- **AllClear™ G2 2000**
  - A: Filter Top (Lid)
  - B: UV Transformer
  - C: 9W UV Bulb
  - D: Quartz Sleeve
  - I: Operating Pieces
  - J: Gasket Kit
  - K: Screw Set
  - L: Fitting Kit
  - M: PVC Fitting Kit

- **AllClear™ G2 3500**
  - A: Filter Top (Lid)
  - B: UV Transformer
  - C: 9W UV Bulb
  - D: Quartz Sleeve
  - I: Operating Pieces
  - J: Gasket Kit
  - K: Screw Set
  - L: Fitting Kit
  - M: PVC Fitting Kit

- **AllClear™ G2 4500**
  - A: Filter Top (Lid)
  - B: UV Transformer
  - C: 9W UV Bulb
  - D: Quartz Sleeve
  - I: Operating Pieces
  - J: Gasket Kit
  - K: Screw Set
  - L: Fitting Kit
  - M: PVC Fitting Kit

---

[thepondguy.com](http://thepondguy.com) | 866-POND-HELP (766-3435)
## Replacement Parts: Filter Media/Canister

<table>
<thead>
<tr>
<th>Diagram</th>
<th>Description</th>
<th>AllClear™ G2 2000</th>
<th>AllClear™ G2 3500</th>
<th>AllClear™ G2 4500</th>
</tr>
</thead>
<tbody>
<tr>
<td>E</td>
<td>Cleaning Rods/Mesh Tube</td>
<td>130092</td>
<td>130093</td>
<td>130094</td>
</tr>
<tr>
<td>F</td>
<td>Filter Pad Set</td>
<td>130055</td>
<td>130056</td>
<td>130057</td>
</tr>
<tr>
<td>G</td>
<td>Canister Clamp</td>
<td>130086</td>
<td>130086</td>
<td>130086</td>
</tr>
<tr>
<td>H</td>
<td>Filter Canister Clamp w/Filter Pads</td>
<td>130083</td>
<td>130084</td>
<td>130085</td>
</tr>
<tr>
<td>I</td>
<td>Operating Pieces</td>
<td>130090</td>
<td>130090</td>
<td>130090</td>
</tr>
<tr>
<td>J</td>
<td>Gasket Kit</td>
<td>130087</td>
<td>130087</td>
<td>130087</td>
</tr>
<tr>
<td>K</td>
<td>Screw Set</td>
<td>130091</td>
<td>130091</td>
<td>130091</td>
</tr>
</tbody>
</table>

### Diagram Description

1. **E** Cleaning Rods/Mesh Tube
2. **F** Filter Pad Set
3. **G** Canister Clamp
4. **H** Filter Canister Clamp w/Filter Pads
5. **I** Operating Pieces
6. **J** Gasket Kit
7. **K** Screw Set

---

15425 Chets Way | Armada, MI 48005
PRODUCT WARRANTY:
AllClear™ G2 Pressurized Filters carry a 5-year warranty. The Pond Guy® will repair or replace any units found to be defective. This limited warranty is extended exclusively to the original purchaser and begins from the date of original purchase receipt. The UVC bulb, glass tube, filter media and o-rings are wearable items and are not covered by this warranty. Abuse or misuse of this product or power cord alterations void all warranty. Please call for a Return Authorization Number prior to returning product by calling our Customer Care Department at 866-766-3435. Failure to request an RMA number may result in delay or dismissal of your warranty claim.

THANK YOU FOR CHOOSING:
The Pond Guy® Inc.
We Know Ponds™
15425 Chets Way
Armada, MI 48005
866-POND-HELP (766-3435)
thepondguy.com