REPLACEMENT PARTS:

<table>
<thead>
<tr>
<th>MODEL</th>
<th>REPLACEMENT UV-C BULB</th>
<th>TRANSFORMER W/ UV-C BULB</th>
<th>GLASS TUBE (QUARTZ SLEEVE) W/ UV HOUSING</th>
<th>FITTING SET W/ O- RINGS</th>
<th>O-RING FOR TRANSFORMER</th>
</tr>
</thead>
<tbody>
<tr>
<td>PowerUV™ 9</td>
<td>#110306</td>
<td>#120853</td>
<td>#120860</td>
<td>#120852</td>
<td>#120849</td>
</tr>
<tr>
<td>PowerUV™ 13</td>
<td>#110307</td>
<td>#120854</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PowerUV™ 18</td>
<td>#110212</td>
<td>#120855</td>
<td>#120873</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PowerUV™ 36</td>
<td>#110213</td>
<td>#120859</td>
<td></td>
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</tr>
</tbody>
</table>

PRODUCT WARRANTY:

All PowerUV™ units 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 UV-C bulb, quartz sleeve, fitting kit & o-rings 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

View other great products on-line at www.thepondguy.com
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, PowerUV™ transformer and ballast should be replaced.
• Prior to installation, inspect the quartz sleeve and UV-C bulb to ensure there was no damage during transportation.
• After installation, the Power UV™ should be examined to ensure there is no water on parts not intended to be wet.
• If the Power UV™ shows signs of any water leakage, immediately unplug it from the power source.
• If the PowerUV™ 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 PowerUV™ from power source when it is not in use, and before installing, removing or servicing the Power UV™ 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 PowerUV™ or plug in water or attempt to use a wet plug.
• The PowerUV™ is NOT suitable for use in swimming pools, swimming ponds, or other situations where bodily contact is made with the water. Although the PowerUV™ is designed for outdoor use, it should never be submerged in water.

Avoid contact with the UV-C light. Light omitted can be harmful to the eyes and skin.

⚠️ CAUTION: ⚠️
To reduce the risk of equipment damage or failure:
• DO NOT place PowerUV™ in direct sunshine.
• DO NOT place PowerUV™ near flammable or other dangerous materials or objects.
• ALWAYS unplug the unit if there is no water running through it to prevent over heating.
• PowerUV™ is NOT submersible; do not place PowerUV™ where it might contact or fall into the water.
• DO NOT operate during freezing conditions. Drain PowerUV™ and store in a protected location.
• DO NOT operate the PowerUV™ with a pump larger than the maximum flow rate indicated by the unit specifications. Operating with a pump larger than recommended can reduce the UV’s effectiveness or cause damage to the UV and will NOT be covered under warranty.

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.

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 (STEP DOWN BARB FITTING)</th>
<th>POWER CORD LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>PowerUV™ 9</td>
<td>120V / 60 Hz</td>
<td>9 Watts</td>
<td>600 GPH</td>
<td>1,200</td>
<td>1” , 1¼” , 1½”</td>
<td>6’</td>
</tr>
<tr>
<td>PowerUV™ 13</td>
<td>120V / 60 Hz</td>
<td>13 Watts</td>
<td>1,200 GPH</td>
<td>2,200</td>
<td>1” , 1¼” , 1½”</td>
<td></td>
</tr>
<tr>
<td>PowerUV™ 18</td>
<td>120V / 60 Hz</td>
<td>18 Watts</td>
<td>1,600 GPH</td>
<td>3,600</td>
<td>1” , 1¼” , 1½”</td>
<td></td>
</tr>
<tr>
<td>PowerUV™ 36</td>
<td>120V / 60 Hz</td>
<td>36 Watts</td>
<td>2,100 GPH</td>
<td>4,800</td>
<td>1” , 1¼” , 1½”</td>
<td></td>
</tr>
</tbody>
</table>

Package Contents
POWERUV™ CLARIFIER

A PowerUV™ Clarifier Unit
B Fitting Set
INSTALLING YOUR POWERUV™ CLARIFIER:

For Best Results
- First pass water through a sponge filter or skimmer to minimize debris coming in contact with PowerUV™.
- Place PowerUV™ before the biological filter.
- Run the PowerUV™ 24 hours a day.
- DO NOT operate during freezing conditions. Drain the PowerUV™ and store in a protected area.

Watch a video of the PowerUV™ Clarifier installation online @ www.thepondguy.com/poweruv

Step 1
Determine the Location
The PowerUV™ should be placed outside of the pond where it can rest horizontally. Avoid locations that are prone to water puddles or areas where the PowerUV™ could fall into the pond. You can also mount the UV using the mounting brackets (screws not included).

Step 2
Attach the Fittings
ATTACH the step down fittings to the inlet and outlet of the PowerUV™ with the compression ring. Note: The o-rings should be between the UV housing and the step down fitting to create a watertight seal when secure.

Step 3
Cut to Size
CUT step down fittings down to the largest connection that will work with your plumbing. Step down fittings offer options for use with 1", 1-1/4" and 1-1/2" plumbing.
For optimum performance:

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PLUMBING</th>
</tr>
</thead>
<tbody>
<tr>
<td>PowerUV™ 9W</td>
<td>1&quot;</td>
</tr>
<tr>
<td>PowerUV™ 13W</td>
<td>1&quot;</td>
</tr>
<tr>
<td>PowerUV™ 18W</td>
<td>1 1/4&quot;</td>
</tr>
<tr>
<td>PowerUV™ 36W</td>
<td>1 1/4&quot;, 1 1/2&quot;</td>
</tr>
</tbody>
</table>

Step 4
Connect Plumbing
CONNECT plumbing and secure with a hose clamp (not included).

Note: Water should flow into the PowerUV™ at the inlet closest to the powercord. Water should flow from the unit at the outlet on the opposite end of the PowerUV™ filter.

You may also switch the position of the outlet and viewing window for added flexibility.

Optional:
TrueRock™ Medium Boulder Cover
To camouflage and protect the PowerUV™ from the outside elements use a TrueRock™ Medium Boulder Cover(#510332).
MAINTAINING YOUR POWERUV™ CLARIFIER:

WARNING:
Before performing any maintenance, always unplug the PowerUV™ from the power source.

REPLACING THE UV-C BULB:

Step 1
Unscrew the Transformer
UNSCREW the transformer counter-clockwise and gently pull the unit apart.

Step 2
Remove Bulb Cap
REMOVE the rubber cap from the UV bulb and set aside.

Step 3
Replace Bulb
PULL gently on the base of the UV-C bulb to remove. Install new bulb. DO NOT touch the bulb with bare hands. Verify that the O-Ring is seated properly on the transformer before screwing it onto the UV housing. UV-C bulb should be replaced yearly.

CLEANING THE QUARTZ SLEEVE (Glass Tube):

Tools Required: #2 Phillips Screwdriver, soft cloth & descaler.

Step 1
Remove Mounting Bracket
REMOVE the mounting bracket closest to the transformer by flipping the unit over and removing the 2 screws with your #2 Phillips screwdriver.

Step 2
Separate UV Housing
TWIST gently by holding both sides of the PowerUV™ housing to separate and expose the quartz sleeve.

Step 3
Clean
CLEAN quartz sleeve with a soft cloth or sponge and reassemble unit. Quartz sleeve should be replaced if it is scratched, damaged or cracked. See REPLACEMENT PARTS for replacement quartz sleeve and housing.

TROUBLESHOOTING:

*Note: For your safety, the PowerUV™ will not operate without the UV housing and transformer securely connected.

If water is not clear, check the following:
• Check the viewing window to ensure the UV-C bulb is lit.
• Replace UV-C bulb if it has not been replaced in the past year, even if it is lit.
• Check that the quartz sleeve is clean.
• Verify that the proper amount of water is flowing through the UV. See recommendation for proper water flow under Technical Specs.

Loss of water flow from the UV, check the following:
• Verify pump is not plugged with debris.
• Verify biological filter is not plugged with debris.