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> uvcoolplunge 20W Pond UV Light Water Clarifier Instruction Manual (Model CPL-32W)

uvcoolplunge CPL-32W

uvcoolplunge 20W Pond UV Light Water Clarifier

Model: CPL-32W

INTRODUCTION

The uvcoolplunge 20W Pond UV Light is designed to clarify water in various aquatic environments, including ponds, aquariums, cold plunges, and swimming pools up to 1000 gallons. This device utilizes ultraviolet (UV) light technology to control algae and harmful bacteria without the use of chemical additives, promoting a healthier and clearer water environment.

IMPORTANT SAFETY INFORMATION

WARNING: UVC light is powerful and can cause harm to skin and eyes. Always turn off and carefully remove the UV lamp from the water before performing any maintenance, handling, or before entering the water body where it is installed. Keep children and pets away from direct exposure to the UV light.

- Ensure the device is fully submerged when operating.
- Do not operate the UV light out of water.
- Inspect the power cord for damage before each use.
- Disconnect power before installation or maintenance.

PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x uvcoolplunge 20W UV Light Unit with Power Cord
- 1 x Counterweight
- 2 x Suction Cups

SPECIFICATIONS

Model	CPL-32W
Power	20W
Capacity	100-1000 Gallons
Material	Stainless Steel with Glass
Product Dimensions	8 x 2 x 2 inches
Item Weight	1.65 pounds
Cable Length	9.8 ft
Input Voltage	110V 50/60Hz
Input Current	0.3-0.6A
Ambient Temperature	32-104°F (0-40°C)

The UV light unit measures approximately 14 inches in length and 1.5 inches in diameter, as shown in the diagram below.



Figure 1: Item Details and Dimensions. This image illustrates the physical dimensions of the UV light unit, its power cable length, and included accessories like suction cups.

SETUP AND INSTALLATION

Follow these steps for proper installation of your uvcoolplunge UV Light:

1. **Placement:** Determine the optimal location for the UV light. It should be fully submerged in the water body. For ponds, consider placing it near the filter system or in an area with good water circulation. For cold plunges or aquariums, ensure it can be easily removed for safety and maintenance.
2. **Attach Counterweight:** The unique gravity block design allows the unit to sink and remain stable. Attach the provided counterweight to the bottom of the UV light unit. This ensures the unit stays submerged and irradiates the water column effectively.

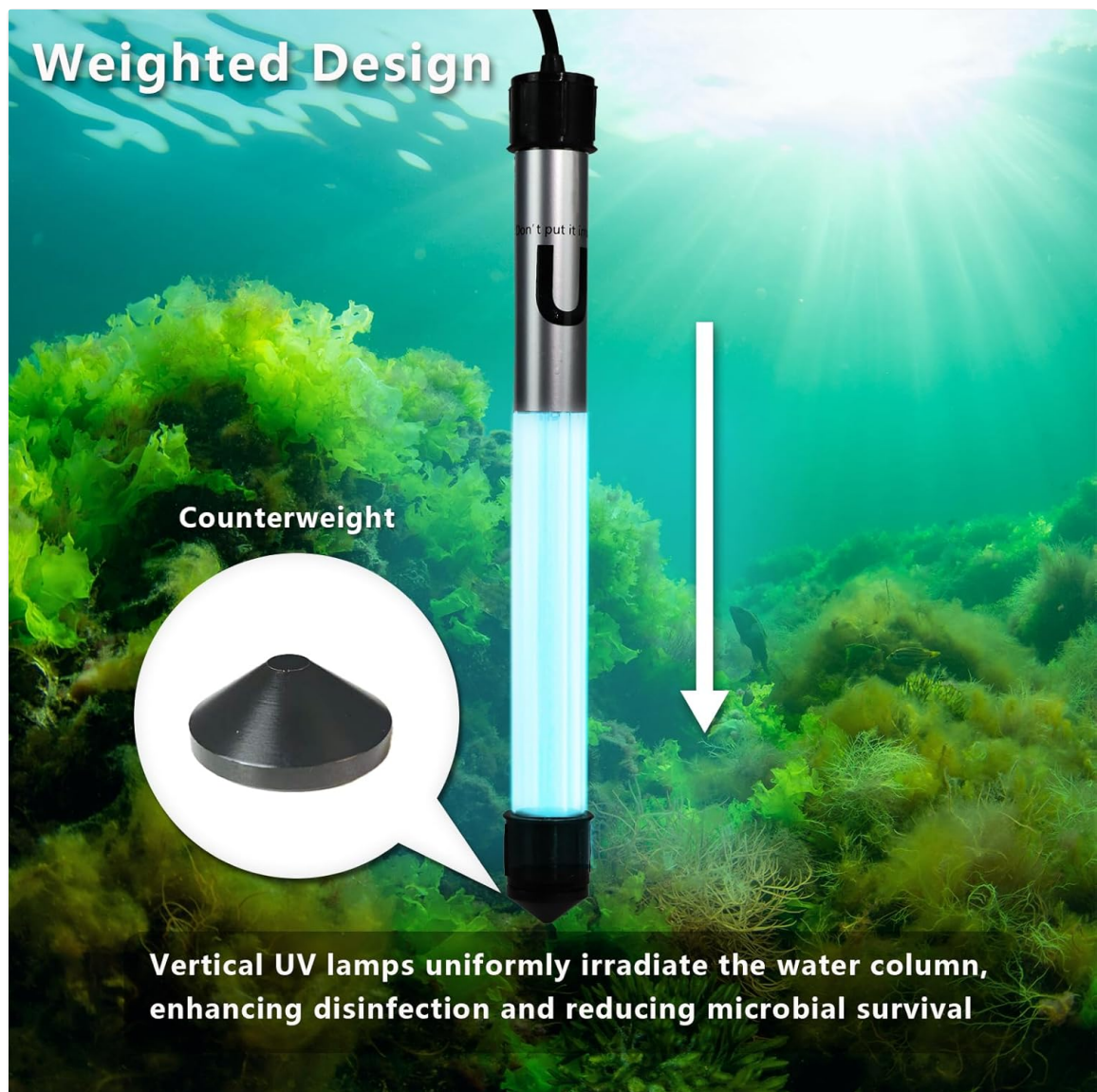


Figure 2: Weighted Design. The image highlights the counterweight feature, which helps the UV light sink and maintain a vertical position for optimal water treatment.

3. **Secure with Suction Cups (Optional):** If desired, use the included suction cups to secure the UV light to the side of an aquarium or other smooth surface. Ensure the suction cups provide a firm hold.
4. **Submerge the Unit:** Carefully place the UV light unit into the water, ensuring it is completely submerged. The 9.8 ft power cord provides flexibility for placement.
5. **Connect Power:** Once the unit is securely placed and fully submerged, connect the power cord to a grounded electrical outlet.

OPERATING INSTRUCTIONS

The uvcoolplunge UV Light operates continuously once connected to power. It is designed for simple, hands-off operation.

1. **Initial Operation:** After installation, plug in the unit. The UV light will immediately begin its clarifying process.
2. **Observation:** Monitor the water clarity over the next few days. Significant improvements in water clarity, such as the reduction of green water and algae, should be noticeable within 2-7 days, depending on the initial water condition and volume.

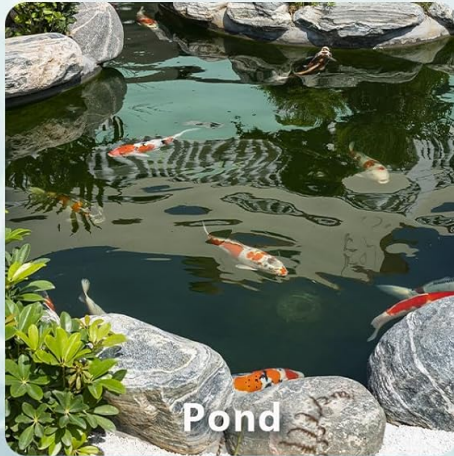


Figure 3: Water Clarity Improvement. This image demonstrates the visual difference in water clarity before and after using the UV light, showing a transition from murky to clear water.

3. **Continuous Use:** For ongoing water clarity and pathogen control, continuous operation is recommended.

The UV light is effective in various applications:

USAGE SCENARIOS



The 17 ft ultra-long wires enable more versatile and flexible usage scenarios

Figure 4: Usage Scenarios. This image illustrates the versatility of the UV light for ponds, fish tanks, cold plunges, and swimming pools.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your UV light.

- Cleaning the Glass Tube:** Over time, mineral deposits or algae film may accumulate on the high-transparency glass tube, reducing UV light penetration. Annually, or as needed, disconnect the power, carefully remove the unit from the water, and gently clean the glass tube with a soft cloth and mild cleaning solution. Rinse thoroughly before re-submerging.
- UV Lamp Replacement:** The UV lamp has a finite lifespan. While designed for extended use, its effectiveness diminishes over time. Replace the UV lamp annually or when you notice a decrease in water clarity despite continuous operation. Refer to the product packaging or manufacturer's website for compatible replacement lamps.
- Power Cord Inspection:** Periodically inspect the power cord for any signs of wear, cuts, or damage. If damage is found, discontinue use immediately and replace the unit.

TROUBLESHOOTING

If you encounter issues with your uvcoolplunge UV Light, refer to the following common problems and solutions:

- **UV Light Not Illuminating:**

- Check if the power cord is securely plugged into a functional outlet.
- Verify that the power outlet is receiving electricity.
- The UV lamp may have reached the end of its lifespan and requires replacement.

- **Water Remains Cloudy/Green:**

- Ensure the UV light has been operating continuously for at least 2-7 days. Severe algae blooms may require more time.
- Clean the glass tube to remove any film or deposits that might be blocking UV light.
- Confirm the UV light is appropriately sized for your water volume (this 20W unit is for 100-1000 gallons).
- Check for proper water circulation around the UV unit.
- The UV lamp may need replacement if its effectiveness has diminished.

- **Unit Floating:**

- Ensure the counterweight is properly attached to the bottom of the unit.
- If using suction cups, ensure they are firmly attached to a clean, smooth surface.

WARRANTY AND SUPPORT

Specific warranty details are not provided in this manual. For information regarding warranty coverage, product support, or replacement parts, please refer to the product packaging or contact uvcoolplunge customer service directly through their official website or the retailer where the product was purchased.