

OASE 54984

OASE Biosmart 9W UV Lamp Replacement Instructions

Model: 54984

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1. INTRODUCTION

This manual provides essential instructions for the safe and effective replacement of the OASE Biosmart 9W UV Lamp (Model: 54984). This lamp is designed for use with OASE Biosmart filter systems, specifically the 7000 Biosmart model, to maintain clear and healthy pond water by controlling algae and harmful microorganisms. Proper installation and timely replacement are crucial for optimal performance of your pond filtration system.

2. SAFETY INFORMATION

WARNING: Ultraviolet (UV) radiation can be harmful to eyes and skin. Never look directly at an illuminated UV lamp. Always disconnect power to the UV clarifier unit before performing any maintenance or replacement procedures. Allow the lamp to cool down before handling. Dispose of old lamps according to local regulations.

- Always unplug the UV clarifier from the power source before touching the lamp or opening the unit.
- Avoid direct exposure to UV light.
- Handle the new lamp carefully by its base to avoid touching the glass, as oils from skin can reduce lamp life.
- Ensure the replacement lamp matches the specified wattage (9W) and type for your OASE Biosmart filter.

3. INSTALLATION (LAMP REPLACEMENT)

Follow these steps to safely replace the 9W UV lamp in your OASE Biosmart filter system:

1. **Disconnect Power:** Ensure the OASE Biosmart filter system is completely disconnected from the main power supply. This is a critical safety step.
2. **Access the UV Unit:** Refer to your OASE Biosmart filter manual for specific instructions on how to safely open and

access the UV clarifier housing. This typically involves unscrewing or unlatching a cover.

3. **Remove Old Lamp:** Carefully grasp the base of the old 9W UV lamp. Gently twist and pull to disengage it from its socket. The lamp has a PLS design with 2 small pin connections at one end. Avoid excessive force.
4. **Inspect Quartz Sleeve (if applicable):** While the lamp is removed, inspect the quartz sleeve (the glass tube surrounding the lamp) for any cracks, damage, or mineral deposits. Clean the quartz sleeve with a soft cloth and a mild cleaning solution if necessary, then rinse thoroughly with clean water. A clean quartz sleeve ensures maximum UV light penetration.
5. **Insert New Lamp:** Holding the new OASE Biosmart 9W UV lamp by its plastic base, align the two pins with the corresponding slots in the lamp socket. Gently push and twist until the lamp is securely seated. Do not touch the glass part of the lamp with bare hands.
6. **Secure Housing:** Reassemble the UV clarifier housing, ensuring all seals and covers are properly secured to prevent water leaks and UV light exposure.
7. **Reconnect Power:** Once the lamp is securely installed and the unit is reassembled, reconnect the OASE Biosmart filter system to the power supply.
8. **Verify Operation:** Check for an indicator light on your filter system, if available, to confirm the UV lamp is functioning.



Image: OASE Biosmart 9W UV Lamp. This image shows the replacement UV lamp, which features a PLS design with two small pin connections at one end, designed for easy installation into compatible OASE Biosmart filter systems.

4. MAINTENANCE

The OASE Biosmart 9W UV lamp has a finite lifespan for its UV-C output. To ensure continuous effective performance of your pond's UV clarifier, it is recommended to replace the UV lamp at regular intervals. Ideally, replace the lamp annually, preferably in the spring before the pond season begins. This ensures the full strength capacity of the UVC light waves for optimal algae control and water clarification.

5. TROUBLESHOOTING

If your OASE Biosmart UV clarifier is not functioning after lamp replacement, consider the following:

- **Lamp Not Lighting:**
 - Ensure the power supply is connected and active.

- Verify the lamp is correctly seated in its socket.
- Check for any visible damage to the lamp or its pins.
- Confirm the quartz sleeve is clean and intact.
- If the lamp still does not light, the ballast or starter (if separate) in your UV unit may be faulty. Consult your OASE Biosmart filter manual or contact OASE support.

- **Water Not Clearing:**

- Ensure the lamp has been replaced recently (within the last year).
- Check if the quartz sleeve is clean and free of deposits.
- Verify that water flow through the UV unit is appropriate for its design.
- Consider other factors affecting water clarity, such as filter media condition or pond stocking levels.

6. SPECIFICATIONS

Brand	OASE
Model Number	54984
Wattage	9 Watts
Lamp Type	UV-C, PLS design, 2-pin connection
Compatibility	OASE Biosmart filter range (e.g., 7000 Biosmart model)
Item Package Quantity	1

7. SUPPORT

For further assistance, technical support, or warranty inquiries regarding your OASE Biosmart filter system or replacement parts, please refer to the official OASE website or contact OASE customer service directly. Always provide your product model number (54984) and the specific model of your OASE Biosmart filter when seeking support.

You can visit the [OASE Store on Amazon](#) for more information on OASE products.

