

OASE Vitronic 18

OASE Vitronic 18 UV Clarifier Instruction Manual

Model: Vitronic 18 | Brand: OASE

1. PRODUCT OVERVIEW

The OASE Vitronic 18 UV Clarifier is designed to integrate with pond filtration systems to maintain clear, algae-free water. This unit improves water quality, creating a healthier environment for aquatic life such as koi and other fish. Its design allows for straightforward installation and minimal maintenance.

Key features include a quick-lock ballast head for easy UV bulb replacement and quartz glass cleaning. The effectiveness of the UV operation can be monitored through an indicator light and clear tubing adaptors. The Vitronic 18 is suitable for ponds up to 5,000 gallons and can be installed with OASE BioSmart filters without additional plumbing.



Image 1.1: The OASE Vitronic 18 UV Clarifier unit, showing its cylindrical body and connection points.

2. SAFETY INFORMATION

- Always disconnect the power supply before performing any maintenance or installation.
- Do not operate the UV clarifier if the quartz glass or UV bulb is damaged.

- Avoid direct exposure to UV-C radiation, as it can be harmful to eyes and skin.
- Ensure all electrical connections are waterproof and protected from moisture.
- Keep the unit out of reach of children and pets.
- Install the unit according to local electrical codes and regulations.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with installation:

- OASE Vitronic 18 UV Clarifier Unit
- UV-C Bulb (18 Watt)
- Quartz Glass Sleeve
- Quick-lock Ballast Head
- Tubing Adaptors and Connectors
- Mounting Brackets (if applicable)
- Instruction Manual

4. SETUP AND INSTALLATION

The Vitronic 18 UV Clarifier is designed for easy integration into existing or new pond filtration systems. It is particularly suited for use with OASE BioSmart filters, where it can be directly attached without additional plumbing.

1. **Placement:** Position the UV clarifier horizontally or vertically in a location that is easily accessible for maintenance and protected from direct sunlight and extreme weather.
2. **Integration with Filter:** If using with an OASE BioSmart filter, attach the Vitronic unit directly to the designated connection points on the filter box using the provided accessories. For other filter systems, connect the UV clarifier in-line with your pond's existing plumbing, ensuring water flows through the unit after the pump and before the main filter.
3. **Tubing Connections:** Securely attach appropriate pond tubing to the inlet and outlet adaptors of the UV clarifier. Ensure all connections are watertight to prevent leaks.
4. **Electrical Connection:** Once all plumbing is complete and checked for leaks, connect the power cable to a ground-fault circuit interrupter (GFCI) protected outdoor electrical outlet.



Image 4.1: A close-up view of the connection point on the Vitronic UV Clarifier, showing the clear tubing adaptor.

5. OPERATION

Once installed and powered, the Vitronic 18 UV Clarifier begins its operation. Water from your pond flows through the unit, where it is exposed to ultraviolet-C (UV-C) light. This UV-C radiation neutralizes single-celled algae, preventing their replication and causing them to clump together, making them easier for your pond filter to remove.

- **Initial Clearing:** It may take several days to a few weeks for noticeable clarity improvements, depending on the initial water condition and pond size.
- **Monitoring Operation:** The unit features an indicator light, clear tubing adaptors, and a visual inspection window at the top of the filter (if connected to a BioSmart filter) to confirm that the UV-C bulb is functioning. A visible glow indicates the bulb is active.



Image 5.1: An example of clear pond water, demonstrating the desired outcome after effective UV clarification, with visible fish and aquatic plants.

6. MAINTENANCE

Regular maintenance ensures the optimal performance and longevity of your Vitronic 18 UV Clarifier.

- 1. UV Bulb Replacement:** The UV-C bulb's effectiveness diminishes over time. It should be replaced annually, ideally in the spring before the pond season begins, to guarantee full UV-C output. The quick-lock ballast head facilitates easy bulb changes.
- 2. Quartz Glass Cleaning:** Periodically inspect and clean the quartz glass sleeve that encases the UV bulb. Mineral deposits or algae buildup on the quartz glass can reduce UV-C penetration and clarifier efficiency. Disconnect power, remove the ballast head, and carefully slide out the quartz sleeve for cleaning. Use a soft cloth and a mild cleaning solution if necessary, then rinse thoroughly.
- 3. Unit Inspection:** Regularly check the unit for any signs of damage, leaks, or wear on cables and connections.

7. TROUBLESHOOTING

If your OASE Vitronic 18 UV Clarifier is not performing as expected, consult the following troubleshooting guide:

Problem	Possible Cause	Solution
UV indicator light is off / No visible glow	<ul style="list-style-type: none">◦ No power supply◦ Faulty UV-C bulb◦ Damaged ballast head	<ul style="list-style-type: none">◦ Check power connection and GFCI outlet.◦ Replace the UV-C bulb (refer to Section 6).◦ Contact OASE support for ballast head replacement.
Pond water remains cloudy/green	<ul style="list-style-type: none">◦ Diminished UV-C bulb effectiveness◦ Dirty quartz glass sleeve◦ Unit undersized for pond volume◦ Insufficient water flow	<ul style="list-style-type: none">◦ Replace UV-C bulb annually (refer to Section 6).◦ Clean quartz glass sleeve (refer to Section 6).◦ Ensure the Vitronic 18 is appropriate for your pond size (up to 5,000 gallons).◦ Check pump and filter for blockages; ensure proper flow rate.
Water leakage from unit	<ul style="list-style-type: none">◦ Loose connections◦ Damaged O-rings or seals◦ Cracked housing	<ul style="list-style-type: none">◦ Tighten all tubing adaptors and connections.◦ Inspect and replace any damaged O-rings or seals.◦ If housing is cracked, the unit may need replacement. Contact OASE support.

8. SPECIFICATIONS

- **Model:** Vitronic 18
- **Item Model Number:** 706759564557
- **ASIN:** B00J76NHJY
- **Power Consumption:** 18 Watt
- **Maximum Pond Volume:** Up to 5,000 Gallons
- **Product Dimensions:** 21 x 6 x 8 inches
- **Item Weight:** 6 pounds
- **Manufacturer:** OASE

9. WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts, please visit the official OASE website or contact OASE customer service directly. Retain your proof of purchase for warranty claims.

You can find more information and contact details on the [OASE Store on Amazon](#).

