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OASE BioMaster 2 350

OASE BioMaster 2 350 Canister Filter Instruction Manual

Model: BioMaster 2 350

1. INTRODUCTION

Thank you for choosing the OASE BioMaster 2 350 Canister Filter. This external aquarium filter is designed to provide efficient and reliable filtration for both freshwater and saltwater aquariums up to 90 gallons. It features a sealed 4-stage filtration path, including multi-density foams, Hel-X Biomedia, and activated carbon, to ensure superior water clarity. The innovative EasyClean pre-filter module simplifies routine maintenance, making aquarium care more convenient.



Image 1.1: OASE BioMaster 2 350 Canister Filter

This manual provides detailed instructions for the safe and effective installation, operation, and maintenance of your BioMaster 2 350 filter. Please read it thoroughly before use and retain it for future reference.

2. IMPORTANT SAFETY INSTRUCTIONS

Always follow basic safety precautions to reduce the risk of fire, electric shock, and injury to persons, including the following:

- Read all instructions before using this appliance.
- **DANGER** – To avoid possible electric shock, special care should be taken since water is used in the use of aquarium equipment. For each of the following situations, do not attempt repairs yourself; return the appliance

to an authorized service facility for service or discard the appliance.

- If the appliance falls into water, **DO NOT** reach for it. First, unplug it and then retrieve it. If electrical components get wet, unplug the appliance immediately.
- Carefully examine the appliance after installation. It should not be plugged in if there is water on parts not intended to be wet.
- Do not operate any appliance if it has a damaged cord or plug, or if it is malfunctioning or has been dropped or damaged in any manner.
- To avoid the possibility of the appliance plug or receptacle getting wet, position aquarium stand and tank to one side of a wall-mounted receptacle to prevent water from dripping onto the receptacle or plug. A “drip loop” should be arranged by the user for each cord connecting an aquarium appliance to a receptacle. The “drip loop” is that part of the cord below the level of the receptacle, or the connector if an extension cord is used, to prevent water traveling along the cord and coming in contact with the receptacle. If the plug or receptacle does get wet, **DO NOT** unplug the cord. Disconnect the fuse or circuit breaker that supplies power to the appliance. Then unplug and examine for presence of water in the receptacle.
- Close supervision is necessary when any appliance is used by or near children.
- To avoid injury, do not contact moving parts or hot parts such as heaters, reflector, lamp bulbs, and the like.
- Always unplug an appliance from an outlet when not in use, before putting on or taking off parts, and before cleaning. Never yank cord to pull plug from outlet. Grasp the plug and pull to disconnect.
- Do not use an appliance for other than intended use. The use of attachments not recommended or sold by the appliance manufacturer may cause an unsafe condition.
- Do not install or store the appliance where it will be exposed to the weather or to temperatures below freezing.
- Ensure the appliance is securely installed before operating it.
- Read and observe all important notices on the appliance.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon unpacking:

- OASE BioMaster 2 350 Canister Filter Unit
- EasyClean Pre-filter Module (with Carbon Pre-filter Foams)
- Main Filter Foams (Coarse and Ultra-Coarse)
- Hel-X Biomedia
- Curved Inlet and Outlet Tubes
- Inlet Strainer
- Water Outlet Nozzle
- Modular Spray Bar with Flow Control Attachment
- Tubing
- Heater Adapter (for optional OASE HeatUp heater)
- 6 ft. Power Cord
- Instruction Manual

4. SETUP AND INSTALLATION

Follow these steps for proper installation of your OASE BioMaster 2 350 Canister Filter:

- Placement:** Position the filter unit below the aquarium, ensuring it is on a stable, level surface. The filter should be easily accessible for maintenance.
- Filter Media Installation:** Open the filter head and carefully place the provided filter media into the baskets according to the diagram. Typically, coarse foams go first, followed by ultra-coarse foams, then Hel-X Biomedia, and finally activated carbon (if used). Ensure all media is properly seated.
- Hose Connection:** Connect the inlet and outlet tubes to the filter head and secure them with the provided clamps. Attach the inlet strainer to the end of the inlet tube inside the aquarium and the spray bar/outlet nozzle to the outlet tube. Ensure the tubing is routed without kinks and that a drip loop is formed for the power cord.
- Heater Integration (Optional):** If using an OASE HeatUp heater, integrate it into the designated slot within the filter unit using the provided adapter. This minimizes in-tank equipment and protects aquatic inhabitants.

For Aquarists Who Know the Difference Because Your Aquarium Deserves More Than Just "Standard"

Trusted by aquascapers and serious hobbyists worldwide, the BioMaster 2 delivers performance, precision & superior water quality.



Image 4.1: Filter placement below aquarium

The Details Make the Difference

Updated features, including the redesigned inlet & outlet tubes **enhance flow performance and reduce friction, resulting in improved circulation and filtration efficiency.***



*compared to previous generation BioMaster

Image 4.2: Inlet and outlet tube components

Ready for HeatUp Integration

Designed to evolve with your needs—easily add the OASE HeatUp heater for precise, built-in temperature control.



Why Add A Heater?

Housing the heater in the filter frees up space in your aquarium while protecting inhabitants from direct contact.

Image 4.3: Heater integration point

5. OPERATING INSTRUCTIONS

- 1. Priming the Filter:** Before plugging in the filter, ensure all connections are secure and the filter is filled with water. Use the built-in priming button on the filter head. Press it repeatedly until water begins to flow into the filter and air is expelled. This simplifies the startup process.

Quick & Easy Start

Built-in priming simplifies setup—just a few presses and your system is flowing.



Image 5.1: Priming the filter

- Starting the Filter:** Once primed, plug the power cord into a grounded electrical outlet. The filter will begin operating, circulating water through its 4-stage filtration system.
- Flow Control:** The modular spray bar includes a flow control attachment. Adjust this as needed to achieve the desired water circulation and surface agitation in your aquarium.
- Filtration Process:** Water enters the filter and passes through the EasyClean pre-filter module, capturing large debris. It then flows through the main filter media: coarse foams, ultra-coarse foams, Hel-X Biomedia for biological filtration, and activated carbon for chemical filtration, ensuring comprehensive water purification.

Crystal Clear Water

Four-stage sealed filtration path moves water through various media to maximize beneficial bacteria growth and ensure thorough cleaning.

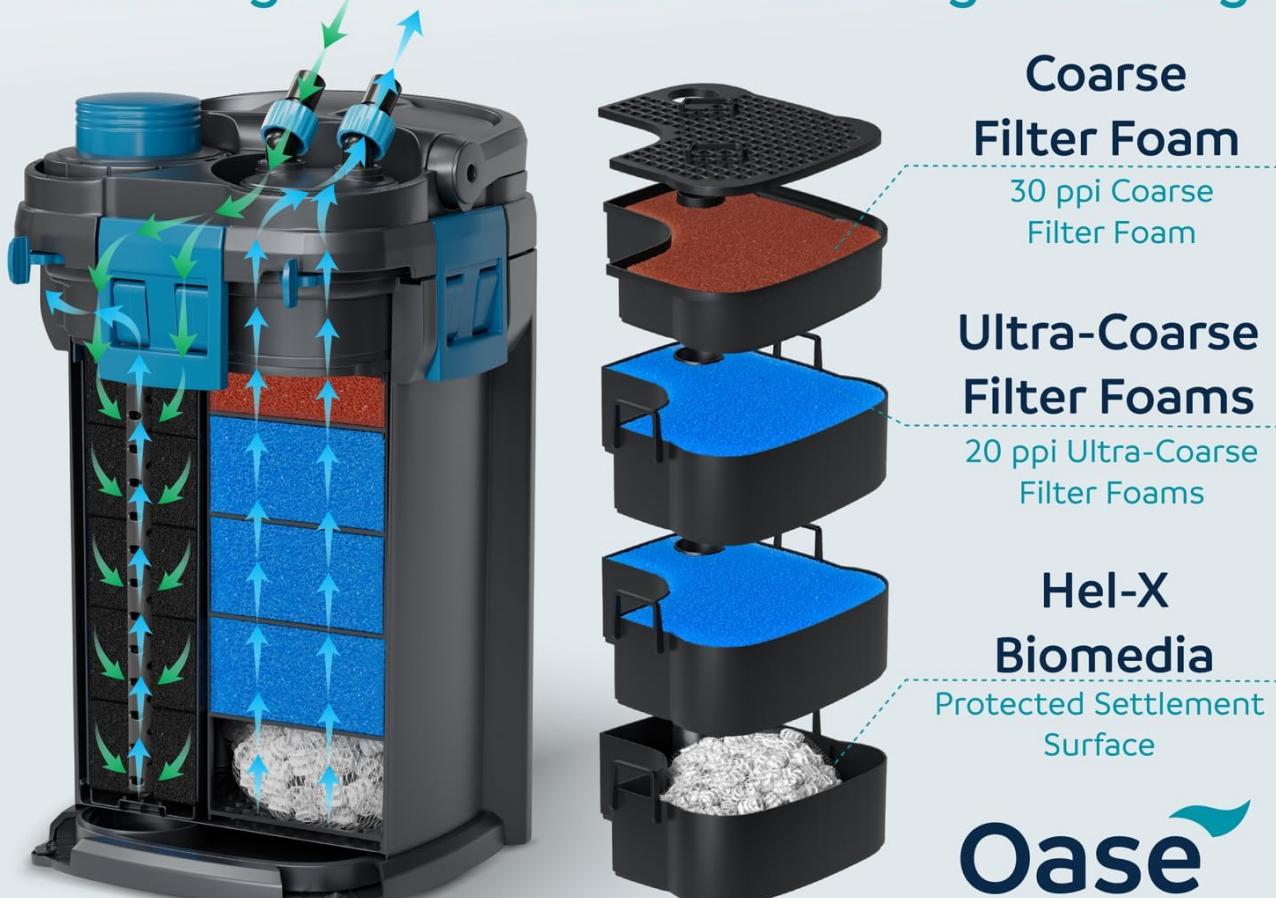


Image 5.2: 4-Stage Filtration Diagram

6. MAINTENANCE

Regular maintenance is crucial for optimal filter performance and water quality. The BioMaster 2 350 is designed for easy and mess-free maintenance.

1. **EasyClean Pre-filter Module:** This module can be removed separately from the main filter for quick cleaning. Simply disengage the safety locks, detach the pre-filter, and rinse the carbon pre-filter foams under running water. This extends the life of the main filter media.

Spend More Time Enjoying Your Aquarium

The EasyClean pre-filter module makes routine care **faster, cleaner, and stress-free**—cutting your maintenance time by up to 50%.



Image 6.1: EasyClean Pre-filter removal

- Main Filter Media Cleaning:** Periodically, the main filter foams and Hel-X Biomedia will require cleaning. Disconnect the aquastop to prevent spills and move the filter. Open the filter head and remove the media baskets. Rinse the mechanical filter foams (coarse and ultra-coarse) in old aquarium water to preserve beneficial bacteria. The Hel-X Biomedia should only be gently rinsed if heavily soiled, again using old aquarium water. Replace activated carbon every 2-4 weeks or as needed.
- Impeller Cleaning:** Inspect and clean the impeller and impeller housing regularly to ensure smooth operation and prevent noise.
- Aquastop:** The aquastop feature allows for easy disconnection of the filter from the tubing without affecting the setup, facilitating mess-free maintenance.

7. TROUBLESHOOTING

If you encounter issues with your OASE BioMaster 2 350 filter, refer to the following common problems and solutions:

- **Reduced Water Flow:**

- Check if the EasyClean pre-filter is clogged. Clean it as described in the Maintenance section.
- Inspect main filter media for excessive debris. Clean or replace as necessary.
- Ensure inlet and outlet tubes are free of kinks or obstructions.
- Check the impeller for blockages or damage. Clean or replace if needed.

- **Excessive Noise:**

- Air trapped in the filter system. Re-prime the filter using the priming button to expel air.
- Impeller not seated correctly or damaged. Remove and re-seat the impeller, or replace if damaged.
- Filter unit not level or vibrating against a surface. Adjust placement.

- **Leaks:**

- Ensure all hose connections are tight and clamps are secure.
- Check the O-ring seal on the filter head. Clean it and apply a thin layer of silicone grease if dry or replace if damaged.
- Verify the aquastop is fully engaged and sealed.

- **Filter Not Starting:**

- Check power connection and ensure the outlet is functional.
- Ensure the filter is properly primed and filled with water.
- Inspect the impeller for any obstructions preventing it from spinning.

8. SPECIFICATIONS

Feature	Detail
Brand	OASE
Model	BioMaster 2 350
Product Dimensions (L x W x H)	9.4 x 9.4 x 16.7 inches
Item Weight	10 pounds
Power Source	Corded Electric
Aquarium Capacity	Up to 90 Gallons
Filtration Stages	4-stage (Pre-filter, Coarse, Ultra-Coarse, Hel-X Biomedia, Activated Carbon)
Special Features	EasyClean Pre-Filter, Quiet Performance, HeatUp Heater Integration, Aquastop
UPC	706759947107

9. WARRANTY AND SUPPORT

The OASE BioMaster 2 350 Canister Filter is manufactured in Italy with German engineering, ensuring high quality and reliability. It is backed by a 4-year warranty (3 years standard + 1 additional year upon online registration).

Quality You Can Trust

4

YEARS*
GUARANTEE
3+1



MADE
IN
ITALY



ENGINEERED
IN GERMANY



ULTRA-QUIET
OPERATION



ENERGY
EFFICIENT



Oase

*with online registration

Image 9.1: Quality and Warranty Information

For warranty claims, technical support, or replacement parts, please contact OASE customer service. Keep your proof of purchase and product serial number readily available when contacting support.

Visit the official OASE website for more information and to register your product for the extended warranty.

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