

OASE 55165

OASE Filtosmart Thermo 300 External Aquarium Filter with Integrated Heater

Instruction Manual

1. INTRODUCTION

The OASE Filtosmart Thermo 300 is an advanced external aquarium filter system designed to provide comprehensive mechanical, biological, and chemical filtration, along with precise temperature control for your aquarium. This compact unit features an integrated heater, ensuring stable water temperatures and an unobstructed view within your tank. This manual provides essential information for the safe and efficient setup, operation, and maintenance of your Filtosmart Thermo 300.

2. SAFETY INSTRUCTIONS

- Read all instructions carefully before installation and operation.
- Ensure the power supply matches the voltage specified on the product label.
- Always disconnect the power supply to the filter and heater before performing any maintenance or cleaning.
- Do not operate the filter if the power cord or plug is damaged.
- Do not immerse the filter head or electrical components in water.
- The filter is designed for indoor use only and for aquariums.
- Keep out of reach of children.

3. COMPONENTS OVERVIEW

Familiarize yourself with the various parts of your OASE Filtosmart Thermo 300 filter system.





Figure 1: OASE Filtosmart Thermo 300 External Aquarium Filter main unit.



Figure 2: Included accessories: hoses, intake pipe, spray bar, and fittings.



Figure 3: Diagram illustrating the internal filter media arrangement within the unit.

4. SETUP INSTRUCTIONS

4.1 Unpacking and Inspection

1. Carefully remove all components from the packaging.
2. Inspect all parts for any signs of damage. Do not proceed with installation if any components are damaged.
3. Ensure all listed components are present: filter unit, integrated heater, filter media, tubing, diffuser, spray bar, fittings, and power cable.

4.2 Filter Placement

Place the filter unit below the aquarium, ensuring it is on a stable, level surface. The filter should be positioned so that the water level in the aquarium is higher than the filter unit to allow for proper water flow and priming.

4.3 Hose and Pipe Connection

1. Attach the intake pipe and spray bar to the appropriate fittings. Secure them inside the aquarium using

the provided suction cups.

2. Connect the flexible tubing to the intake and outflow connectors on the filter head. Ensure a secure fit to prevent leaks.



Figure 4: Securely connect the hoses to the filter head's intake and outflow ports.

4.4 Filter Media Installation

The Filtosmart Thermo 300 utilizes a multi-stage filtration system. Ensure the filter media is correctly arranged in the baskets as per the diagram (Figure 3).

1. Open the filter head by releasing the clips.
2. Place the coarse filter foam at the bottom for mechanical pre-filtration.
3. Add biological filter media (e.g., OASE Hel-X BioMedia) in the designated baskets for beneficial bacteria colonization.

4. Insert fine filter pads or activated carbon (if desired for chemical filtration) in the top layers.



Figure 5: Removing a filter foam pad from the filter basket.



Figure 6: Inserting new filter media into the filter basket.



Figure 7: Placing activated carbon media into a filter compartment.

4.5 Priming the Filter

Before starting, the filter must be filled with water to remove air and initiate flow.

1. Ensure all hose connections are secure and the intake/outflow pipes are correctly positioned in the aquarium.
2. Open the shut-off valves on the hose adapter.
3. Use the integrated priming button or pump on the filter head (if available) to draw water from the aquarium into the filter unit until it is full. Alternatively, you may need to manually fill the filter canister with water before closing the lid.
4. Once water flows freely through the outflow pipe, the filter is primed.

4.6 Initial Startup

1. Plug the filter's power cord into a grounded electrical outlet.
2. The filter pump will start, and water will begin circulating.
3. Check for any leaks at connections. Tighten if necessary.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

To turn the filter on or off, simply plug or unplug the power cord from the electrical outlet. There is no separate power switch on the unit.

5.2 Integrated Heater Operation

The Filtosmart Thermo 300 features an integrated heater for precise and uniform temperature levels.

1. The heater is pre-set to a standard aquarium temperature. Refer to the heater's specific dial or controls

for adjustment.

2. Monitor the aquarium temperature with a separate thermometer to ensure the desired temperature is maintained.
3. Adjust the heater setting gradually to avoid sudden temperature fluctuations in the aquarium.

5.3 Flow Rate Adjustment

The filter's flow rate can typically be adjusted using the flow control valve located on the hose adapter. Rotate the valve to increase or decrease water flow as needed for your aquarium's inhabitants and plant life.

6. MAINTENANCE

Regular maintenance is crucial for the optimal performance and longevity of your filter. Always disconnect power before performing any maintenance.

6.1 Routine Cleaning (Monthly/Bi-Monthly)

1. Disconnect the filter from the power supply.
2. Close the shut-off valves on the hose adapter and disconnect it from the filter head.



Figure 8: Disconnecting the hose adapter from the filter head for maintenance.

3. Carefully carry the filter unit to a suitable cleaning area.
4. Open the filter head clips and remove the filter media baskets.
5. Rinse mechanical filter media (foams) in old aquarium water to preserve beneficial bacteria. Replace if heavily clogged or deteriorated.
6. Clean the inside of the filter canister and the filter head, including the impeller chamber.

7. Reassemble the filter media baskets and close the filter head securely.

6.2 Heater Maintenance

The integrated heater can be removed for cleaning or replacement.



Figure 9: Removing the integrated heater from its housing for inspection or cleaning.

1. Ensure the filter is unplugged.
2. Gently pull the heater unit upwards from its designated slot in the filter head.
3. Clean any algae or debris from the heater element.
4. Reinsert the heater, ensuring it is fully seated.

6.3 Filter Media Replacement

Biological media should generally not be replaced unless severely degraded. Chemical media (like activated carbon) should be replaced every 2-4 weeks, or as recommended by the manufacturer, as its effectiveness diminishes over time. Mechanical media (foams) can be replaced when rinsing no longer restores adequate flow.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Filter not starting/no flow	No power; Air in filter; Clogged impeller; Kinked hoses.	Check power connection; Re-prime the filter; Clean impeller; Straighten hoses.
Reduced flow rate	Clogged filter media; Dirty impeller; Kinked hoses; Flow control valve partially closed.	Clean/replace filter media; Clean impeller; Straighten hoses; Open flow control valve.
Excessive noise	Air in filter; Dirty/damaged impeller; Filter not level.	Re-prime the filter; Clean/inspect impeller for damage; Ensure filter is on a level surface.
Heater not maintaining temperature	Heater setting too low; Heater malfunction; Insufficient heater wattage for tank size/ambient temperature.	Adjust heater setting; Contact support if malfunction suspected; Consider additional heating if necessary.
Water leaking	Loose hose connections; Damaged O-ring/gasket; Improperly closed filter head.	Tighten connections; Inspect and replace O-rings/gaskets; Ensure filter head is securely clipped.

8. SPECIFICATIONS

Feature	Detail
Brand Name	OASE
Model Name	55165
Style	Filtosmart Thermo 300
Item Weight	1.1 Pounds
Item Dimensions (LxWxH)	11 x 7 x 16.9 inches
Manufacturer	OASE
Specific Uses for Product	Indoor Aquarium Filtration and Heating
Included Components	Aquarium Filter with heater, filter media, tubing, diffuser, spray bar, fittings, power cable, and stable base
Country of Origin	Italy

9. WARRANTY INFORMATION

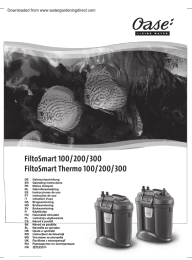
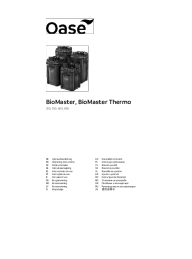



The OASE Filtosmart Thermo 300 comes with a **3-year limited warranty**. Please retain your proof of purchase for warranty claims. For specific terms and conditions, refer to the warranty documentation included with your product or visit the official OASE website.

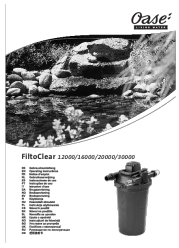
10. CUSTOMER SUPPORT

For further assistance, technical support, or spare parts, please contact OASE customer service. Contact information can typically be found on the OASE official website or on the product packaging.

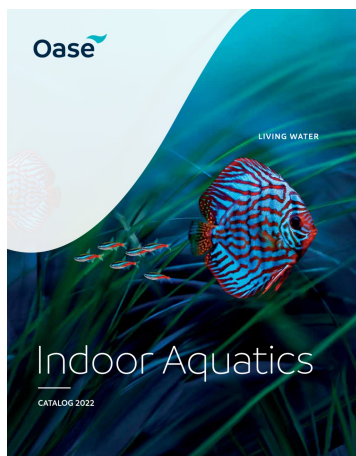
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Related Documents - 55165

	<p>Oase FiltoSmart & FiltoSmart Thermo Aquarium Filters - Operating Instructions</p> <p>Comprehensive operating instructions for Oase FiltoSmart and FiltoSmart Thermo aquarium filters (models 100, 200, 300). Covers product description, intended use, installation, maintenance, troubleshooting, and technical specifications.</p>
	<p>Oase BioMaster Thermo Filter Manual: Setup and Operation</p> <p>Comprehensive guide for Oase BioMaster Thermo 250, 350, 600, and 850 external aquarium filters. Learn about setup, maintenance, and safe operation.</p>
	<p>Oase BioMaster² & BioMaster² Thermo: Operating Instructions for Aquarium Filters</p> <p>Comprehensive operating instructions for Oase BioMaster² and BioMaster² Thermo aquarium filters (models 250, 350, 600, 850). Learn about installation, setup, maintenance, and troubleshooting for optimal aquarium water quality.</p>
	<p>OxyMax 100, 200, 400 Aquarium Aerator Manual</p> <p>Comprehensive guide for the Oase OxyMax 100, 200, and 400 aquarium aerators, covering safety, setup, operation, and maintenance.</p>
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	<p>OASE FiltoClear Pond Filter Manual: Installation, Operation, and Maintenance Guide</p> <p>Comprehensive operating manual for OASE FiltoClear 12000, 16000, 20000, and 30000 pond filter systems. Includes installation, maintenance, troubleshooting, and technical data for garden pond water treatment.</p>
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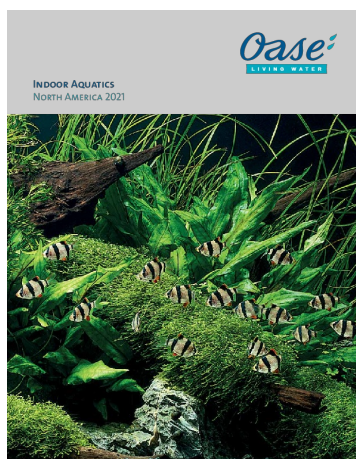


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