

Eheim 2180380

EHEIM Professional 3 Thermofilter 2180 User Manual

Model: **2180380** | Brand: **Eheim**

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your EHEIM Professional 3 Thermofilter 2180. This external canister filter is designed to provide superior filtration and maintain a consistent water temperature for aquariums up to 317 US-Gallons. Please read this manual thoroughly before initial use to ensure proper function and longevity of your unit.

SAFETY INFORMATION

- Always disconnect the filter from the power supply before performing any maintenance, cleaning, or when handling the unit.
- Ensure the filter is placed on a stable, level surface below the aquarium water level to allow for proper siphoning and operation.
- Do not operate the filter if the power cord or plug is damaged.
- This appliance is for indoor use only and is suitable for freshwater aquariums.
- Keep out of reach of children.
- Do not immerse the filter head or electrical components in water.

PACKAGE CONTENTS



Image: The complete package contents of the EHEIM Professional 3 Thermofilter 2180, including the main filter unit, hoses, intake and output pipes, filter media baskets, and various filter pads.

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

- EHEIM Professional 3 Thermofilter Canister
- Filter Head with Integrated Heating Element
- Hose Adapter with Shut-off Valves
- Intake Pipe with Strainer
- Output Pipe (Spray Bar)
- Hoses (Green)
- Filter Media Baskets
- Coarse Filter Pad
- Fine Filter Pad
- Installation Accessories (Suction Cups, Clips)
- Instruction Manual

SETUP INSTRUCTIONS

1. **Prepare Filter Media:** Rinse all filter media (coarse and fine pads) thoroughly under tap water to remove any dust or debris. Place the filter pads and any additional media (not included) into the filter baskets according to the recommended layering.
2. **Assemble Canister:** Stack the filled filter baskets inside the filter canister. Ensure they are seated correctly. Place the filter head securely onto the canister and fasten the clips.
3. **Connect Hoses:** Attach the green hoses to the hose adapter. Connect the intake hose to the intake pipe and the output hose to the spray bar. Secure all connections with hose clamps if provided.
4. **Install in Aquarium:** Position the intake pipe and spray bar inside the aquarium using the provided suction cups. Ensure the intake strainer is positioned near the bottom of the tank and the spray bar is positioned to create good water circulation.
5. **Position Filter:** Place the filter canister on a stable surface below the aquarium water level. Ensure the hoses are not kinked or obstructed.
6. **Prime the Filter:** Open the shut-off valves on the hose adapter. The filter will begin to fill with water via gravity. Once the canister is full, use the integrated priming button (if available) or manually fill the canister until water flows freely through the output hose.
7. **Connect Power:** Once the filter is fully primed and water is flowing, connect the power plug to a grounded electrical outlet. The filter pump will start, and the integrated heater will begin to warm the water to the set temperature.

OPERATING INSTRUCTIONS

Initial Start-up

After following the setup instructions, the filter should start automatically once plugged in. Observe the water flow and check for any leaks. It may take a few minutes for all air to be expelled from the system.

Temperature Control

The EHEIM Professional 3 Thermofilter 2180 features an integrated heating element. The desired water temperature can be adjusted using the control dial on the filter head. Refer to the markings on the dial for temperature settings. A signal device indicates heating operation.

Flow Adjustment

The flow rate can be adjusted using the levers on the hose adapter. This allows you to fine-tune the water circulation in your aquarium.

MAINTENANCE

Regular maintenance is crucial for optimal performance and longevity of your filter.

Routine Cleaning (Every 2-4 Weeks)

1. **Disconnect Power:** Unplug the filter from the electrical outlet.
2. **Close Valves:** Close the shut-off valves on the hose adapter to prevent water from flowing out of the aquarium.

- 3. **Remove Hose Adapter:** Disconnect the hose adapter from the filter head.
- 4. **Transport Filter:** Carefully carry the filter to a sink or bucket.
- 5. **Open Canister:** Release the clips and remove the filter head.
- 6. **Clean Filter Media:** Remove the filter baskets. Rinse the coarse filter pad and other mechanical media in old aquarium water (from a water change) to preserve beneficial bacteria. Replace the fine filter pad as needed.
- 7. **Clean Canister and Head:** Rinse the inside of the canister and the filter head. Clean the impeller chamber and impeller.
- 8. **Reassemble:** Reassemble the filter in reverse order. Ensure all seals are clean and properly seated.
- 9. **Restart:** Reconnect the hose adapter, open the valves, prime the filter, and plug it back in.

Impeller and Shaft Cleaning (Every 3-6 Months)

Periodically inspect and clean the impeller and its shaft for any debris or mineral buildup. This ensures quiet operation and efficient water flow.

Hose Cleaning (Annually)

Clean the hoses annually to remove algae and biofilm buildup, which can restrict flow. Use a hose brush for this purpose.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No water flow / Filter not starting	Not plugged in; Air in system; Impeller jammed; Valves closed; Hoses kinked/clogged.	Check power connection; Re-prime filter; Clean impeller; Open valves; Check/clean hoses.
Reduced water flow	Clogged filter media; Clogged hoses/pipes; Impeller dirty/worn.	Clean/replace filter media; Clean hoses/pipes; Clean/replace impeller.
Loud operation / Vibrations	Air in system; Impeller dirty/damaged; Filter not level.	Re-prime filter; Clean/replace impeller; Ensure filter is on a level surface.
Leaks	Improperly seated O-ring/gasket; Loose hose connections; Cracked housing.	Check/re-seat O-ring; Tighten hose connections; Inspect housing for damage.
Heater not working	Not plugged in; Temperature setting too low; Heater element failure.	Check power; Adjust temperature setting; Contact support if element failed.

SPECIFICATIONS

Feature	Detail
Model	2180380

Feature	Detail
Brand	Eheim
Recommended Aquarium Size	Up to 317 US-Gallons (approx. 1200 liters)
Item Dimensions (LxWxH)	12.99 x 12.99 x 22.32 inches
Item Weight	17 Pounds
Integrated Heater	Yes, with thermostatic control
Water Type	Freshwater only
Country of Origin	Germany

WARRANTY AND SUPPORT

The EHEIM Professional 3 Thermofilter 2180 comes with a **3-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. For technical support, warranty claims, or replacement parts, please contact Eheim customer service. Refer to the contact information provided in the original product packaging or visit the official Eheim website. It is recommended to retain your proof of purchase for warranty purposes.