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## Eheim 2178010

# EHEIM Professionel 5E 600T External Filter with Heater User Manual

Model: 2178010

## 1. INTRODUCTION AND OVERVIEW

The EHEIM Professionel 5E 600T is an advanced electronic external thermofilter designed for aquariums ranging from 300 to 600 liters. This innovative device integrates both filtration and heating functions into a single unit, ensuring optimal water quality and precise temperature control for your aquatic environment. The filter features wireless control capabilities and a precise LED display for monitoring water temperature.

Please read this manual thoroughly before installation and operation to ensure safe and efficient use of your EHEIM Professionel 5E 600T.



This image displays the EHEIM Professional 5E 600T external filter with heater, shown in its retail packaging. The packaging highlights key features such as 'electronic', 'wireless control', and 'Brand of the Year' award, along with various technical specifications and icons.

## 2. SAFETY INSTRUCTIONS

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- Read and understand all instructions before operating the device.
- This appliance is designed for freshwater aquariums only. Do not use with saltwater or other liquids.
- Always disconnect the power supply to the filter and all other aquarium equipment before performing any maintenance, cleaning, or installation tasks.
- Ensure that the electrical outlet is properly grounded and protected by a residual current device (RCD) with a tripping current not exceeding 30 mA.
- Do not operate the appliance if the power cord or plug is damaged. Do not attempt to repair it yourself; contact qualified service personnel.
- Position the filter below the aquarium water level to ensure proper water flow and prevent dry running.
- Keep the appliance out of reach of children.
- Never immerse the filter head or electrical components in water.
- Ensure all hose connections are secure to prevent leaks.

## 3. PACKAGE CONTENTS

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Carefully unpack the box and verify that all components are present and undamaged. The package should contain:

- EHEIM Professional 5E 600T External Filter Unit with integrated heater
- Filter media (various types for mechanical, biological, and chemical filtration)
- Inlet and outlet hoses (16/22mm diameter)
- Installation accessories (e.g., suction cups, spray bar, inlet pipe, outlet nozzle, hose clamps)
- Power cable
- User Manual (this document)

## 4. SETUP INSTRUCTIONS

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1. **Preparation:** Place the filter canister on a stable, level surface below the aquarium. Ensure there is enough space for maintenance and hose connections.
2. **Filter Media Installation:** Open the filter head and arrange the provided filter media into the baskets according to the manufacturer's recommendations (typically coarse mechanical, fine mechanical, biological, and chemical layers). Ensure all baskets are correctly seated.
3. **Hose Connection:** Connect the inlet hose (water from aquarium to filter) and outlet hose (filtered water from filter to aquarium) to the designated connectors on the filter head. Secure them with hose clamps.
4. **Aquarium Installation:** Install the inlet pipe (with strainer) and outlet pipe (e.g., spray bar) inside the aquarium. Connect the other ends of the hoses to these pipes. Ensure the inlet is positioned to draw water effectively and the outlet provides good water circulation.
5. **Priming the Filter:** Before connecting power, fill the filter canister with aquarium water. Most EHEIM filters have a priming aid (e.g., a pump button) to draw water into the system. Follow the specific priming instructions in the detailed manual provided with the product. Ensure all air is expelled from the system.
6. **Power Connection:** Once the filter is primed and all connections are secure and leak-free, connect the power plug to a grounded electrical outlet.
7. **Wireless Control Setup:** Refer to the detailed manual for instructions on connecting your filter to the EHEIM wireless control system, if applicable. This typically involves pairing the filter with a compatible device or gateway.

## 5. OPERATING INSTRUCTIONS

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The EHEIM Professional 5E 600T offers advanced electronic control for both filtration and heating.

- **Initial Start-up:** After connecting power, the filter will begin operating. The integrated heater will automatically start to warm the water to the factory preset temperature.
- **Temperature Setting:** The LED display on the filter head shows the current water temperature. Use the control buttons (or wireless interface) to adjust the desired temperature. The heater will maintain this set temperature within the aquarium.
- **Flow Rate Adjustment:** The electronic control allows for precise adjustment of the pump's flow rate. You can select from various modes:
  - **Constant Flow:** Maintains a steady water flow rate.
  - **Output Control:** Allows manual adjustment of the flow rate.
  - **Pulse Mode:** Creates a natural, alternating flow pattern (if available on your model).
- **Monitoring:** Regularly check the LED display for the water temperature. The filter's electronic system also monitors performance and may display warnings or service indicators.
- **Wireless Control:** If configured, use the EHEIM app or compatible device to remotely monitor and adjust filter settings, including temperature and flow rate.

## 6. MAINTENANCE

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

1. **Disconnect Power:** Always unplug the filter from the electrical outlet before beginning any maintenance.
2. **Disconnect Hoses:** Use the quick-release coupling (if present) to disconnect the hoses from the filter head. This allows you to remove the filter for cleaning without draining the aquarium.
3. **Filter Media Cleaning/Replacement:**
  - Remove the filter head and then the filter baskets.
  - Rinse mechanical filter media (e.g., sponges, filter floss) in old aquarium water to preserve beneficial bacteria. Replace them when they become too clogged to clean effectively.
  - Biological filter media (e.g., EHEIM SUBSTRATpro) should only be rinsed gently in old aquarium water to avoid destroying bacterial colonies. Replace only a portion at a time, or as recommended by EHEIM.
  - Chemical filter media (e.g., activated carbon) should be replaced regularly as per manufacturer instructions, as they become saturated over time.
4. **Impeller Cleaning:** Inspect and clean the impeller and its shaft located in the pump housing under the filter head. Remove any debris or mineral buildup that could impede rotation.
5. **Heater Unit Check:** Visually inspect the integrated heater unit for any signs of damage or excessive mineral buildup. Do not attempt to disassemble the heater.
6. **Gasket Maintenance:** Inspect the rubber gasket on the filter head for wear or damage. Clean it and apply a thin layer of silicone grease (aquarium safe) to maintain a watertight seal.
7. **Reassembly and Restart:** Reassemble the filter, reconnect hoses, prime the system, and then reconnect power as described in the Setup section.

**Frequency:** Mechanical filter media should be cleaned every 2-4 weeks, while biological media may only need attention every few months. Refer to the detailed EHEIM manual for specific recommendations based on your aquarium's needs.

## 7. TROUBLESHOOTING

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If you encounter issues with your EHEIM Professional 5E 600T, consult the following common problems and solutions:

- **Reduced Water Flow:**
  - **Cause:** Clogged filter media, dirty impeller, kinked hoses, or air in the system.
  - **Solution:** Disconnect power, clean filter media, clean impeller, check hoses for obstructions, and re-prime the filter.
- **Filter Not Heating:**
  - **Cause:** Heater malfunction, incorrect temperature setting, or insufficient water flow over the heater element.
  - **Solution:** Check temperature setting on the LED display or via wireless control. Ensure adequate water flow. If the issue persists, contact EHEIM support.
- **Unusual Noise from Filter:**
  - **Cause:** Air trapped in the filter, dirty or damaged impeller, or improper seating of filter head.
  - **Solution:** Re-prime the filter to remove air. Disconnect power, clean and inspect the impeller for damage. Ensure the filter head is securely latched.
- **Water Leakage:**
  - **Cause:** Loose hose connections, damaged gasket on filter head, or cracked canister.
  - **Solution:** Tighten all hose clamps. Inspect and clean/replace the filter head gasket. If the canister is cracked, the unit may need replacement.

For further assistance, refer to the comprehensive EHEIM troubleshooting guide or contact EHEIM customer support.

## 8. TECHNICAL SPECIFICATIONS

Model	EHEIM Professionel 5E 600T (2178010)
Aquarium Volume	300 - 600 liters
Pump Output (max)	1850 liters per hour
Pumping Head (max)	2.60 meters
Heater Power	210 Watts
Power Consumption (Filter)	10 - 35 Watts
Canister Volume	14.2 liters
Filter Volume	8 liters
Pre-filter Volume	0.6 liters
Hose Diameter (Inlet/Outlet)	16/22 mm
Product Dimensions (L x W x H)	27 x 33.5 x 57 cm
Product Weight	7.83 kg
Country of Origin	Germany
Compatibility	Freshwater only

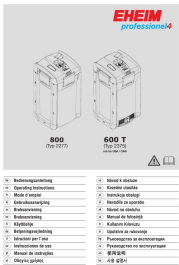




## 9. WARRANTY AND SUPPORT

EHEIM products are manufactured to high-quality standards and typically come with a manufacturer's warranty. Please refer to the warranty card included with your product for specific terms and conditions, including the warranty period and coverage details.

For technical support, spare parts, or warranty claims, please contact your local EHEIM dealer or visit the official EHEIM website for customer service contact information. When contacting support, please have your product model number (2178010) and purchase date available.



Related Documents - 2178010

	<p><a href="#">EHEIM professional 4 Aquarium Außenfilter Bedienungsanleitung</a></p> <p>Umfassende Bedienungsanleitung für die EHEIM professional 4 Serie von Außenfiltern für Aquarien, Modelle 800 (Typ 2277) und 600 T (Typ 2375). Erfahren Sie mehr über Installation, Betrieb, Wartung und Fehlerbehebung.</p>
	<p><a href="#">EHEIM professional 4+ and 5e Aquarium External Filters - User Manual</a></p> <p>Comprehensive user manual for EHEIM professional 4+ and 5e series aquarium external filters, covering setup, operation, maintenance, troubleshooting, and safety instructions. Includes detailed guidance on component identification, connection, commissioning, thermofilter operation, and system messages.</p>
	<p><a href="#">EHEIM professional 2222/2224 &amp; 2322/2324 External Aquarium Filters - Operating Instructions</a></p> <p>Comprehensive operating instructions and technical information for EHEIM professional external aquarium filters (models 2222, 2224) and thermofilters (models 2322, 2324). Includes safety guidelines, installation, operation, and maintenance procedures.</p>
	<p><a href="#">EHEIM DIGITAL Quick Guide: Setup and Connection</a></p> <p>Concise guide for setting up and connecting EHEIM DIGITAL aquarium equipment, including Wi-Fi setup, QR code scanning, and essential product details.</p>
	<p><a href="#">EHEIM ControlCenter &amp; Interface User Manual - Optimize Your Aquarium Filter</a></p> <p>Detailed guide for EHEIM professional 3e aquarium filters. Learn to install and use the EHEIM ControlCenter software and USB Interface for advanced control, programming, updates, and troubleshooting. Covers models 2074, 2076, 2078.</p>



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9. Garantie	10. Kontakt

## [EHEIM aquaclass Bedienungsanleitung](#)

Umfassende Bedienungsanleitung für die EHEIM aquaclass Aquarien-Kombination, einschließlich Einrichtung, Betrieb und Wartung. Erfahren Sie alles über Installation, Beleuchtung und Pflege.