Eheim 2073

Eheim Pro 3 Aquarium Filter Model 2073 Instruction Manual

Model: 2073 | Brand: Eheim

1. Introduction

The Eheim Pro 3 Aquarium Filter Model 2073 is designed for efficient and reliable filtration in freshwater and saltwater aquariums. This external canister filter utilizes multiple media baskets to provide superior mechanical, biological, and chemical filtration, ensuring clear and healthy aquarium water. Its advanced design includes a new pre-filter system for extended maintenance intervals and quiet operation.
This manual provides essential information for the correct installation, operation, maintenance, and troubleshooting of your Eheim Pro 3 filter.

2. Important Safety Instructions

Please read all instructions carefully before using this appliance to prevent injury or damage. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Ensure the filter is placed on a stable, level surface below the aquarium water level.
- Always disconnect the power supply before performing any maintenance, cleaning, or when handling the filter.
- Do not operate the filter if the power cord or plug is damaged.
- Do not operate the filter dry; ensure it is filled with water before starting.
- This appliance is intended for indoor use only and for filtering aquarium water.
- Keep out of reach of children.
- Ensure all connections are secure and leak-free before powering on.

3. Setup and Installation

3.1 Unpacking

Carefully remove all components from the packaging. Verify that all parts listed in the packing contents are present and undamaged. Retain packaging for future transport or storage.

3.2 Component Overview

Figure 1: Eheim Pro 3 Aquarium Filter Model 2073. This image shows the complete filter unit with its canister, motor head, and hose connections.

Familiarize yourself with the main components: the filter canister, motor head, media baskets, inlet/outlet hoses, and quick-release shut-off valve.

3.3 Media Placement

Arrange the filter media into the designated baskets according to the manufacturer's recommendations for optimal filtration stages (mechanical, biological, chemical). Ensure media is rinsed thoroughly before placement.

3.4 Hose Connection

Connect the inlet and outlet hoses to the quick-release shut-off valve and then to the aquarium's intake and output pipes. It is important to ensure a tight fit. Users have noted that pushing the hoses into the shut-off valve may require significant force. Carefully cut hoses to the appropriate length, ensuring not to cut them too short as limited extra length is provided.

3.5 Priming the Filter

The Eheim Pro 3 features an easy self-priming mechanism. To prime the filter:

1. Ensure all hose connections are secure and the quick-release shut-off valve is open.
2. Press the priming button repeatedly until water begins to fill the canister and flow through the outlet hose.
3. *Note:* Some users have reported difficulty with the priming button, especially during initial setup or after major cleaning. An alternative method, if the button is unresponsive, is to lightly suck on the intake tube until water flows, then quickly close the valve before water reaches your mouth. This method requires caution.
4. Once the canister is full and water is flowing steadily, proceed to initial startup.

3.6 Initial Startup

After priming and ensuring no leaks, plug the filter into a grounded electrical outlet. The filter should start operating quietly. Check for any unusual noises or leaks immediately.

4. Operation

Once installed and running, the Eheim Pro 3 filter provides continuous filtration for your aquarium. The filter is designed for quiet operation and efficient water purification.

4.1 Flow Adjustment

The filter's flow rate can be adjusted using the integrated flow control on the quick-release shut-off valve. Rotate the lever to increase or decrease the water flow to suit your aquarium's needs. Many users find optimal performance by running the filter at approximately 50% of its maximum flow, depending on tank size and inhabitants.

4.2 Continuous Use

For best results, the filter should operate continuously. Interrupting filtration can negatively impact water quality and the biological filter media.

5. Maintenance

Regular maintenance is crucial for the longevity and optimal performance of your Eheim Pro 3 filter. Always disconnect power before performing any maintenance.

5.1 Routine Cleaning (Pre-filter)

The Eheim Pro 3 features a new pre-filter design that traps dirt at the top of the filter, making routine cleaning easier and extending the intervals between full biological media cleaning. Clean the pre-filter sponges regularly, typically every 2-4 weeks, or when a noticeable reduction in flow occurs.

1. Disconnect the filter from the power supply.
2. Close the quick-release shut-off valve to stop water flow.
3. Press the quick-release button to detach the valve from the motor head.
4. Carefully lift the motor head to access the pre-filter sponges.
5. Rinse the pre-filter sponges thoroughly in old aquarium water (from a water change) to preserve beneficial bacteria. Do not use tap water directly, as chlorine can harm bacteria.
6. Reassemble and reattach the motor head and valve. Open the valve and plug in the filter.

5.2 Full Filter Cleaning (Media Baskets)

A full cleaning of all filter media baskets should be performed less frequently, typically every 3-6 months, or when flow significantly diminishes despite pre-filter cleaning. This extends the intervals between biological media cleaning.

1. Follow steps 1-3 from "Routine Cleaning".
2. Carry the entire canister to a sink or suitable area.
3. Undo the four clamps securing the motor head to the canister.
4. Lift the motor head off the canister.

5. Remove the media baskets. Rinse mechanical media (e.g., sponges, filter floss) thoroughly in old aquarium water.
6. *Important:* Rinse biological media (e.g., Eheim Substrat Pro) gently in old aquarium water to avoid destroying beneficial bacteria. Do not clean biological media too aggressively or replace it all at once.
7. Clean the inside of the canister and the impeller chamber.
8. Reassemble the media baskets, ensuring they are correctly stacked.
9. Replace the motor head, ensuring the O-ring seal is clean and properly seated. Secure the four clamps.
10. Return the filter to its operating position. Open the water flow lever on the quick-release valve; water will automatically fill the canister.
11. Plug the power back in, and the filter will resume operation.

5.3 Seal Maintenance

Periodically inspect the rubber seals (O-rings) on the motor head and quick-release valve for signs of drying, cracking, or wear. Lubricate them with Eheim silicone grease or a food-grade silicone lubricant to maintain flexibility and prevent leaks. Replace damaged seals immediately.

6. Troubleshooting

Problem	Possible Cause	Solution
Filter not starting / No flow	Not plugged in; power outage; air in canister; impeller jammed; priming issue.	Check power connection. Ensure canister is fully primed (see Section 3.5). Disassemble motor head and clean impeller.
Reduced flow	Clogged pre-filter or media; kinked hoses; dirty impeller.	Clean pre-filter (Section 5.1). Check hoses for kinks. Perform full filter cleaning (Section 5.2). Clean impeller.
Leaking	Improperly seated O-ring; damaged O-ring; loose hose connections; cracked canister/head.	Disconnect power. Check and reseat motor head O-ring, lubricate if dry. Tighten hose connections. Inspect canister and head for damage. Replace damaged parts.
Excessive noise / Vibration	Air in canister; dirty or damaged impeller; filter not level.	Re-prime the filter to remove air. Clean or replace impeller. Ensure filter is on a stable, level surface.
Priming button not working	Rubber seals for priming mechanism dried out or failed.	Try the alternative manual priming method (sucking on intake tube, Section 3.5). Contact support for replacement parts if necessary.

7. Technical Specifications

Feature	Specification (Model 2073)
Model Series	UltraG90
Aquarium Size (up to)	90 US gallons
Pump Output (approx.)	275 US gal/h
Delivery Head (approx. Hmax)	5'9" ft

Feature	Specification (Model 2073)
Power Consumption	16 W
Canister Volume	1.9 US gallons
Filter Volume (approx.)	1.2 + 0.1 US gallons
Dimensions (HxWxD)	15.7 x 9.3 x 9.6 inches
Item Weight	454 g (approx. 1 lb)
Manufacturer	Eheim (Manufactured by Elemi, Made in Germany)

Note: Specifications are subject to change without notice.

8. Warranty and Support

Eheim products are known for their quality and durability. Specific warranty terms and duration may vary by region and retailer. Please retain your proof of purchase for warranty claims.
For technical support, spare parts, or warranty inquiries, it is recommended to contact your local Eheim distributor or the retailer from whom you purchased the product. While Eheim is a German manufacturer, support operations may vary by country. Obtaining specific part numbers from a local distributor may be necessary before ordering online.
Note: The manufacturer for this specific listing is indicated as "TopDawg Pet Supply" in some specifications, however, Eheim is the brand and original manufacturer. For product-specific support, always refer to Eheim's official channels.