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Tetra 302747

Tetra EX 700 Plus External Filter User Manual

Model: 302747

INTRODUCTION

The Tetra EX 700 Plus is a complete external filter system designed for aquariums ranging from 100 to 200 liters. This powerful yet quiet filter ensures crystal-clear, fish-safe water, allowing you to fully enjoy your aquarium's aquatic life. It comes with all necessary filter materials for quick and easy setup, features a suction cup for instant mounting, precise water flow regulation valves, and a pre-filter function to minimize maintenance.



Image: The Tetra EX 700 Plus external filter in its packaging, highlighting its features.

SAFETY INFORMATION

Important: Please read and follow all instructions carefully before operating the filter. Improper use can lead to damage or injury. Always disconnect the power supply before performing any maintenance or cleaning.

Ensure the filter is used strictly according to the provided instructions for optimal performance and safety.

PRODUCT OVERVIEW AND COMPONENTS

The Tetra EX 700 Plus external filter system includes various components designed for efficient multi-stage filtration. Below is an overview of the main parts and filter media:



Image: An exploded view diagram showing the various parts of the Tetra EX 700 Plus external filter, including the filter head, media baskets, hoses, and connectors.

Filter Media Layers:

1. **Tetra CR Filtrerrings (Ceramic Rings):** These rings provide a large surface area for beneficial bacteria to colonize, ensuring biological filtration. They also help distribute water flow evenly.
2. **Tetra BF BioFoam (Biological Filter Foam):** This foam traps larger particles and provides additional surface area for biological filtration, supporting healthy bacteria growth.
3. **Tetra BB BioBalls (Biological Filter Balls):** With their special macro-surface, these balls promote the settlement of beneficial bacteria colonies, enhancing biological purification.
4. **Tetra CF Carbon (Activated Carbon Filter Material):** Granules of activated carbon remove organic impurities, unpleasant odors, and maintain clear water coloration.
5. **Tetra FF FilterFloss (Synthetic Filter Wool):** This fine filter wool traps the smallest particles that might pass through other media, ensuring crystal-clear water.



5. Tetra FF FilterFloss (cartuccia in ovatta sintetica)

La cartuccia in ovatta sintetica filtrante trattiene le particelle più piccole che non vengono bloccate dagli altri mezzi filtranti.

4. Tetra CF Carbon (materiale filtrante ai carboni)

I granuli filtranti ai carboni racchiusi in un sacchetto in rete eliminano le sostanze organiche dannose, i cattivi odori e mantengono inalterata la colorazione dell'acqua.

3. Tetra BB BioBalls (sfere filtranti biologiche)

Le sfere filtranti con una speciale macro-superficie favoriscono l'insediamento di colonie di batteri utili all'interno del filtro, per pulire biologicamente l'acqua.

2. Tetra BF BioFoam (spugna filtrante biologica)

La spugna filtrante biologica trattiene le particelle di medie dimensioni e favorisce l'insediamento di colonie di batteri utili per pulire biologicamente l'acqua.

1. Tetra CR Filterrings (anelli filtranti in ceramica)

Gli anelli filtranti trattengono le particelle più grandi e garantiscono un flusso uniforme all'interno del corpo del filtro distribuendo l'acqua in diverse direzioni.

Image: A detailed diagram illustrating the five distinct layers of filter media within the Tetra EX 700 Plus, from ceramic rings at the bottom to fine filter floss at the top.

SETUP AND INSTALLATION

Follow these steps to properly set up your Tetra EX 700 Plus external filter:

- 1. Unpack Components:** Carefully remove all parts from the packaging. Ensure all filter media and accessories are present as shown in the product overview.
- 2. Assemble Filter Media:** Place the filter media into the baskets in the correct order, starting with ceramic rings at the bottom, followed by biofoam, bioballs, carbon, and finally filter floss at the top.
- 3. Connect Hoses:** Attach the inlet and outlet hoses to the filter head. Ensure a secure connection to prevent leaks. The filter head features quick-release valves for easy disconnection.
- 4. Position Filter:** Place the filter unit below the aquarium, ensuring it is on a stable, level surface. The filter must be positioned lower than the water level in the aquarium for proper operation.
- 5. Install Inlet/Outlet Pipes:** Securely attach the inlet pipe (with strainer) and outlet pipe (with spray bar) inside the aquarium using the provided suction cups. Ensure the inlet is submerged and the outlet is positioned to create good water circulation.
- 6. Prime the Filter:** Use the integrated priming button or lever on the filter head to manually pump water

into the filter until it is full and water begins to flow through the outlet hose.

7. **Connect Power:** Once the filter is primed and all connections are secure, plug the filter into a suitable power outlet. The filter should start operating immediately.



fino a 200 l



flusso max. 1040 l/h



plug & play



efficienza
energetica

Image: A visual guide demonstrating the step-by-step installation process of the Tetra EX 700 Plus external filter, including hose connections and placement.

Ambito di consegna

Tetra EX700 Plus

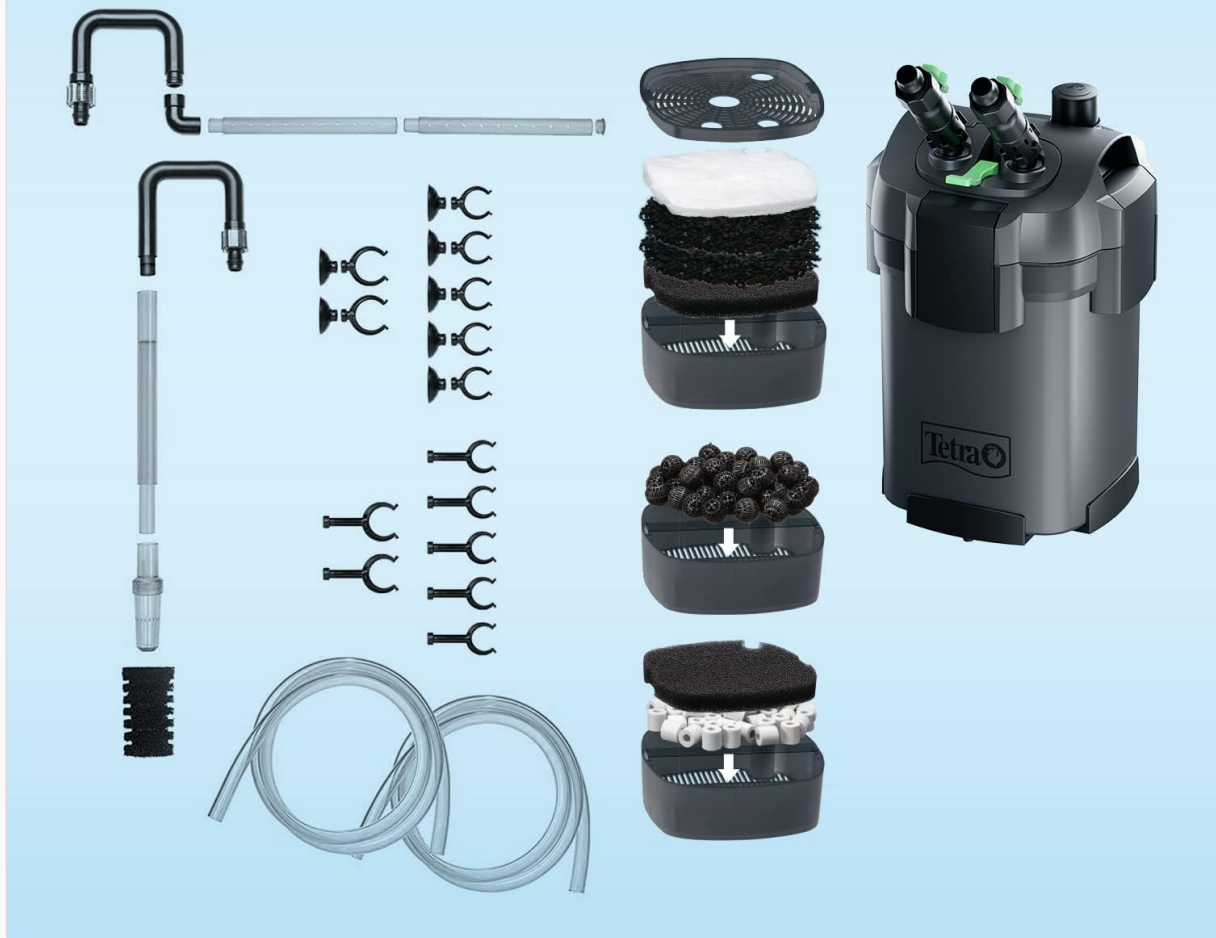


Image: The Tetra EX 700 Plus filter neatly installed inside an aquarium cabinet, illustrating its compact design and how it fits discreetly below the tank.

OPERATING INSTRUCTIONS

Once installed and powered on, the Tetra EX 700 Plus will continuously filter your aquarium water. The filter is designed for quiet and energy-efficient operation.

- **Flow Regulation:** Use the integrated valves on the filter head to precisely adjust the water flow rate to suit your aquarium's needs.
- **Monitoring:** Regularly observe the water clarity and fish behavior. A healthy aquarium environment is indicated by clear water and active fish.
- **Energy Efficiency:** The EX Plus series is engineered to provide powerful filtration with low power consumption, contributing to energy savings.

Specifiche tecniche

	EX 500 Plus	EX 700 Plus	EX 1000 Plus	EX 1500 Plus	
Tensione di collegamento	230				V CA
	50				Hz
Potenza assorbita	5,5	7,5	10,5	17,5	W
Dimens. acquario consigliate	≤100	100-200	150-300	300-600	l
Flusso max pompa	910	1.040	1.150	1.900	l/h
Flusso max in funzion.	440	500	540	1.030	l/h
Volume filtro	3,6	4,9	6,1	12,2	l
N. di cestelli	2	3	4	4	
∅ interno tubo fless.	16			22	mm
Dimensioni	Lunghezza	212		262	mm
	Larghezza	212		262	mm
	Altezza	343	392	441	544
Peso	4,0	4,5	4,8	8,5	kg
Lunghezza del cavo di alimentazione	1.650				mm
Grado di protezione	IP68				

Image: The Tetra EX 700 Plus filter operating, with an illustration of water flowing from the aquarium through the filter and back, demonstrating its continuous filtration cycle.

MAINTENANCE

Regular maintenance is crucial for the optimal performance and longevity of your Tetra EX 700 Plus filter. The pre-filter function helps extend the intervals between major cleanings.

- Disconnect Power:** Always unplug the filter from the power outlet before beginning any maintenance.
- Close Valves:** Close the inlet and outlet valves on the filter head to stop water flow and prevent spills.
- Remove Filter Head:** Disconnect the filter head from the main canister.
- Clean Filter Media:**
 - Rinse mechanical filter media (filter floss, biofoam) in old aquarium water to preserve beneficial bacteria. Replace filter floss when heavily soiled.
 - Rinse biological media (ceramic rings, bioballs) gently in old aquarium water. Do not clean them thoroughly with tap water, as this can kill beneficial bacteria.
 - Replace activated carbon (Tetra CF Carbon) approximately every 4-6 weeks, as its adsorptive capacity diminishes over time.
- Clean Hoses and Pipes:** Periodically clean the inlet and outlet hoses and pipes to remove algae and

debris that can restrict flow.

6. **Reassemble and Restart:** Reassemble the filter in reverse order, ensuring all seals are properly seated. Prime the filter as described in the setup section, then reconnect power.

For convenience, consider using the Tetra App (if available) to set filter alarm reminders for media changes.

TROUBLESHOOTING

Here are some common issues and their potential solutions:

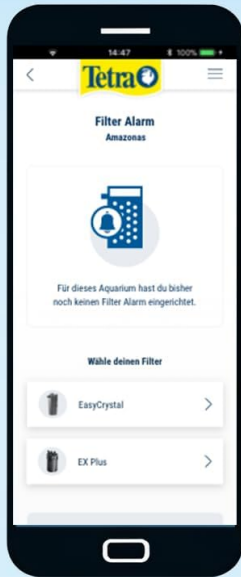
Problem	Possible Cause	Solution
Reduced Water Flow	Clogged filter media, dirty hoses, air in the system.	Clean filter media and hoses. Re-prime the filter to remove air.
Filter Not Starting	Not plugged in, power outage, impeller blockage, not primed.	Check power connection. Clean impeller. Ensure filter is fully primed.
Water Leakage	Improperly sealed O-ring, loose hose connections, damaged component.	Check and reseal O-rings. Tighten all connections. Inspect for cracks or damage.
Excessive Noise	Air in the system, impeller not seated correctly, filter vibrating.	Re-prime to remove air. Check impeller for proper seating. Ensure filter is on a stable surface.

If problems persist, please contact Tetra customer support.

SPECIFICATIONS

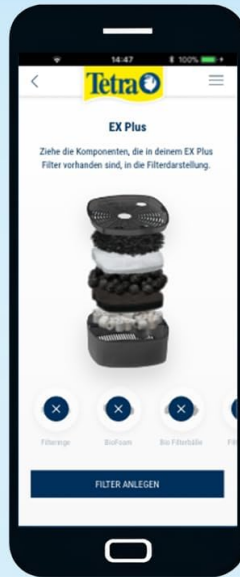
Detailed technical specifications for the Tetra EX 700 Plus external filter:

Conoscete già l'App Tetra?



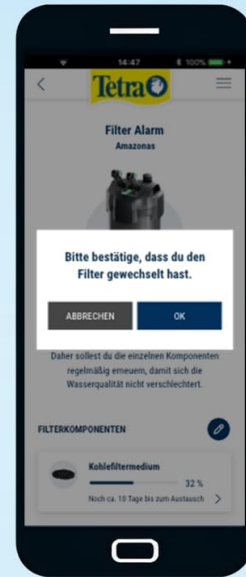
1

Seleziona il tuo filtro



2

Ricostruire il filtro
e aggiungere tutti i
componenti necessari



3

Attivare l'allarme filtro per
ricevere notifiche
automatiche non appena è
necessario cambiare i
materiali del filtro

Image: A table detailing the technical specifications for various Tetra EX Plus models, including the EX 700 Plus, showing power consumption, flow rates, and dimensions.

Feature	Detail (EX 700 Plus)
Recommended Aquarium Volume	100 - 200 Liters
Max Pump Flow Rate	1040 l/h
Max Flow in Operation	500 l/h
Power Consumption	7.5 W
Filter Volume	4.9 Liters
Number of Baskets	3
Hose Inner Diameter	16 mm
Dimensions (L x W x H)	212 x 212 x 392 mm
Weight	4.5 kg
Cable Length	1650 mm
Protection Class	IP68
Product Dimensions (overall)	24 x 35.5 x 34 cm
Item Weight (overall)	4.56 kg
Model Number	302747

RETURN POLICY AND SUPPORT

Return Policy: If you wish to return a product within 30 days of receipt because you have changed your mind, please consult the retailer's return policy. If you have received a defective or damaged product, please refer to the retailer's specific guidelines for such cases. For purchases made on a marketplace, specific marketplace return policies may apply.

Customer Support: For technical assistance, spare parts, or further inquiries regarding your Tetra EX 700 Plus filter, please visit the official Tetra website or contact their customer service department. Always provide your product model number (302747) when seeking support.

You can find more information and support resources on the [Tetra Brand Store](#).