

UPETTOOLS 15-55 Gallons-Black

UPETTOOLS Aquarium Biochemical Sponge Filter User Manual

Model: 15-55 Gallons-Black
Brand: UPETTOOLS

1. INTRODUCTION

The UPETTOOLS Aquarium Biochemical Sponge Filter is designed to provide comprehensive filtration for your aquarium, suitable for both freshwater and saltwater environments. It combines mechanical and biological filtration to maintain clear and healthy water for fish, shrimp, and other aquatic life. This filter is ideal for tanks ranging from 15 to 55 gallons.



This image displays the complete UPETTOOLS Aquarium Biochemical Sponge Filter unit, featuring two sponge filter heads, a central air tube, and a base. Alongside the main unit, additional spare filter sponges and bags of ceramic bio-media balls are shown, indicating the included accessories.

2. PRODUCT COMPONENTS

The UPETTOOLS Aquarium Biochemical Sponge Filter system includes the following parts:

- Double Sponge Filter Unit (with 2 filter sponges and 2 media containers)
- Telescopic Air Outlet Tube
- Suction Cups (2 included for mounting)
- Ceramic Media Balls (4 bags included)
- Spare Filter Sponges (4 included)

Note: This filter requires an external air pump and a standard 4mm air hose (not included) for operation.

Product Analysis

01 Outlet

02 Telescopic Tube

03 Suction Cup

04 Biochemical Filter Cotton

05 Cultivation Ball

06 Inlet Pipe



4 Filter pads
(with 2 replacement)



2 Bacteriostat bags
(with 1 replacement)



An exploded diagram illustrating the various components of the UPETTOOLS sponge filter. Key parts are numbered and labeled, including the outlet, telescopic tube, suction cup, biochemical filter cotton (sponge), cultivation ball (ceramic media), and inlet pipe. This provides a clear overview of the filter's construction.



This image highlights four specific design features of the filter: powerful suction cups for secure placement, a free retractable hose for adjustable height, a 360-degree rotatable spout for directing water flow, and a porous design for uniform water discharge.

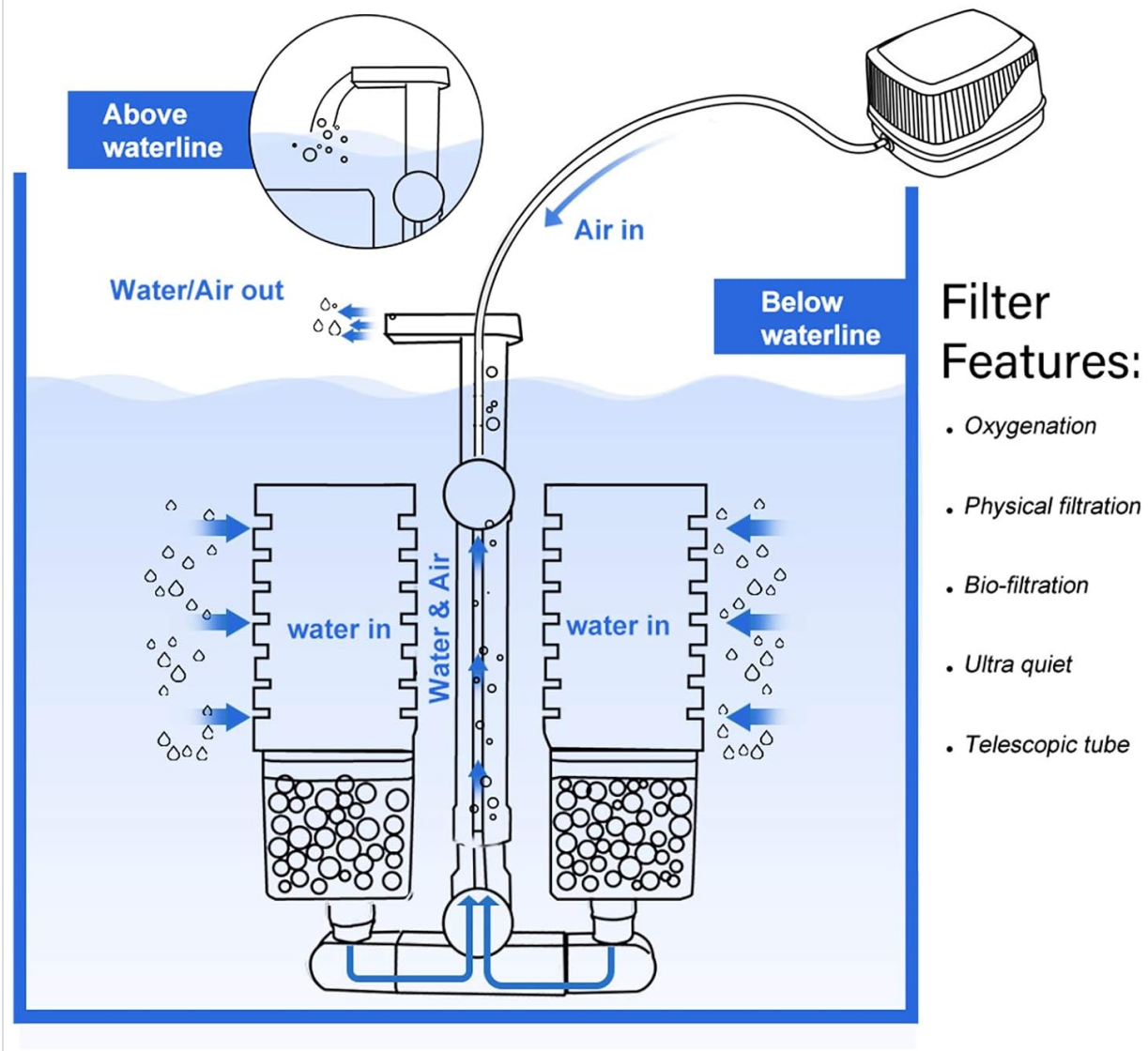
3. SETUP INSTRUCTIONS

Follow these steps to set up your UPETTOOLS Aquarium Biochemical Sponge Filter:

1. **Prepare Media:** Open the two filter media container lids. Fill each container approximately 2/3 full with the provided ceramic media balls. Close the lids securely.
2. **Assemble Sponges:** Ensure the filter sponges are correctly placed over the media containers on the filter unit.
3. **Attach Air Tube:** Insert the telescopic air outlet tube into the central column of the filter unit. Adjust its height as needed for your aquarium.
4. **Install Suction Cups:** Attach the two suction cups to the filter unit. These will secure the filter to the aquarium wall.
5. **Connect Air Hose:** Connect a standard 4mm air hose (not included) from your air pump to the air inlet on the filter's central column.
6. **Position Filter:** Submerge the filter completely in your aquarium. Press the suction cups firmly against the inside wall of the tank to secure it.
7. **Activate Air Pump:** Turn on your external air pump. Air bubbles will flow through the central column, drawing water through the sponges and media for filtration and oxygenation.

How this bio sponge filter work?

must be used with aquarium air pump



A schematic diagram illustrating the operational principle of the bio sponge filter. It shows the connection to an external air pump, how air is introduced, and the resulting water circulation through the sponges for oxygenation, physical filtration, and bio-filtration. The diagram also points out the telescopic tube feature.

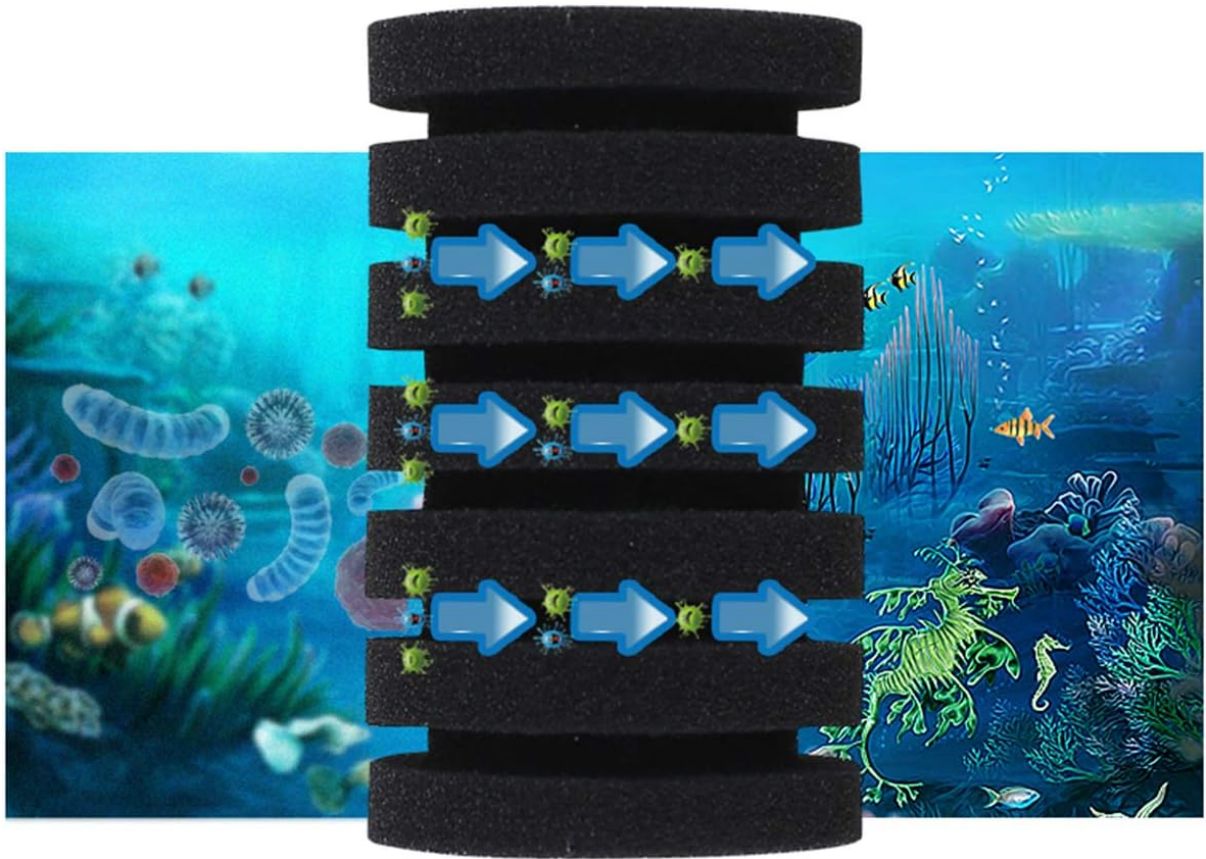
4. OPERATION

Once properly set up and connected to an air pump, the UPETTOOLS Biochemical Sponge Filter will begin operating. The air pump pushes air through the central column, creating an uplift that draws water through the filter sponges and ceramic media. This process provides three main types of filtration:

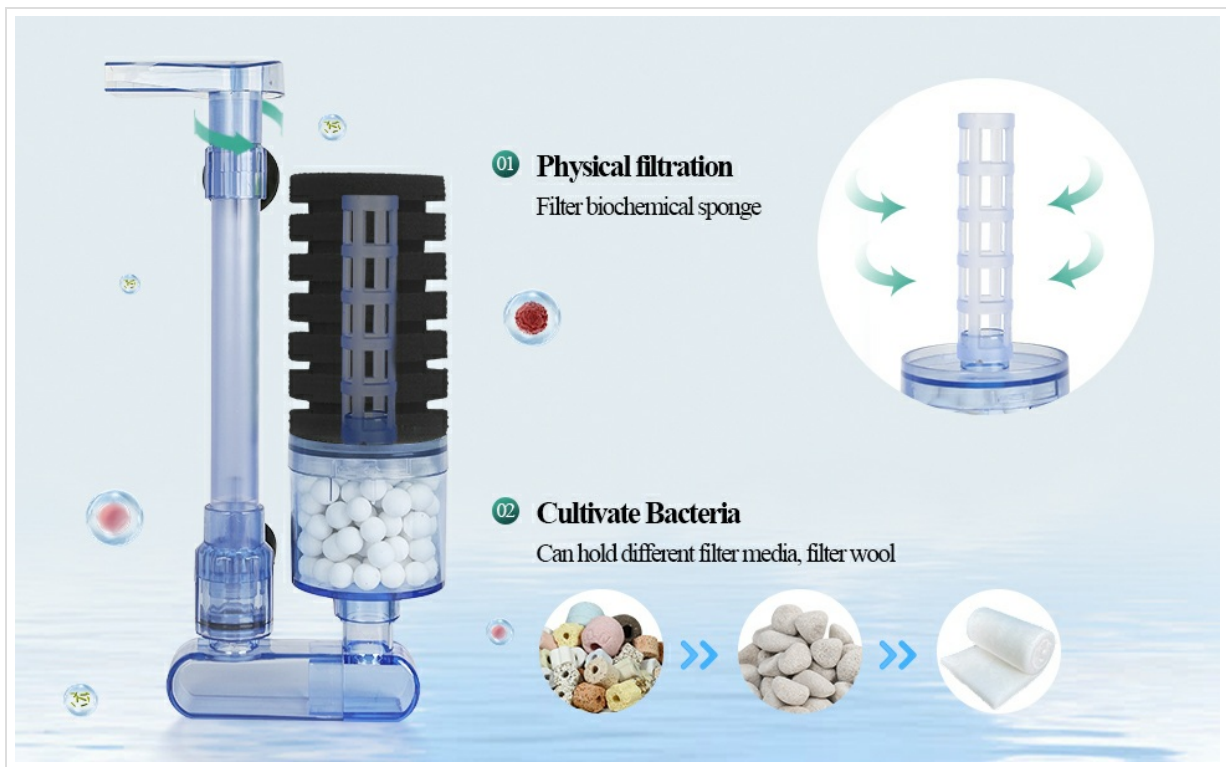
- **Mechanical Filtration:** The dense sponge material traps physical debris and particulate matter from the water, keeping it clear.
- **Biological Filtration:** The porous surfaces of the sponges and ceramic media provide a large area for beneficial nitrifying bacteria to colonize. These bacteria convert harmful ammonia and nitrites into less toxic nitrates.
- **Oxygenation:** The air bubbles released from the filter's outlet tube help to oxygenate the aquarium water, which is crucial for the health of fish and beneficial bacteria.

Biochemical filtration is more effective

Bio-cotton is preferred to effectively filter impurities in the water and stabilize the quality of the fish tank.



This image depicts the biochemical filtration process within the sponge filter. Blue arrows indicate water flow through the multi-layered sponge, highlighting how impurities and microorganisms are captured and processed, contributing to water purification and stabilization.



This graphic illustrates the dual function of the filter: physical filtration by the biochemical sponge and the cultivation of beneficial bacteria within the media containers, which can hold various filter media.

5. MAINTENANCE

Regular maintenance is essential to ensure the longevity and effectiveness of your sponge filter. It is recommended to clean the sponges every 1-2 weeks, or when you notice a reduction in water flow.

Cleaning the Sponges:

1. Gently remove the entire filter unit from the aquarium.
2. In a separate container, collect some water directly from your aquarium during a water change.
3. Carefully slide the sponges off the filter pipes.
4. Squeeze the sponges repeatedly in the collected aquarium water until most of the trapped debris is released. **Do not use tap water or chlorinated water**, as this can kill the beneficial bacteria living in the sponges.
5. Slide the clean sponges back onto the filter pipes.
6. Reinstall the filter unit in your aquarium.

Replacing Sponges and Media:

The filter sponges should be replaced every 3-6 months, or when they show signs of significant wear or degradation. Ceramic media balls can last much longer, typically 6-12 months, but should be rinsed in aquarium water during sponge cleaning.

How to replace the filter



An eight-step visual guide demonstrating how to disassemble, clean, and replace the filter components. It shows how to take apart the unit, remove sponges, open media containers, fill with ceramic media, install suction cups, and reassemble the filter.

6. TROUBLESHOOTING

Here are some common issues and their potential solutions:

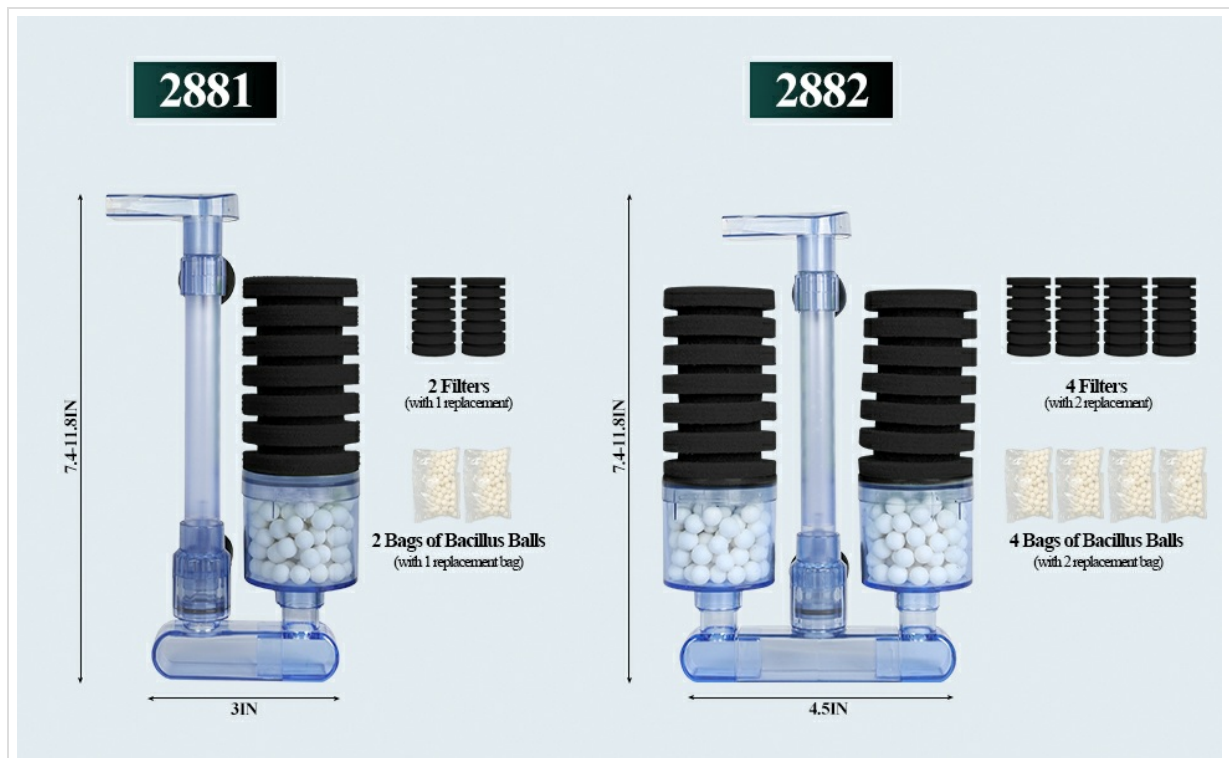
Problem	Possible Cause	Solution
Reduced Air Bubbles/Water Flow	Clogged sponges; Air pump malfunction; Kinked air hose.	Clean sponges as per maintenance instructions. Check air pump for proper function. Inspect air hose for kinks or blockages.
Cloudy Water	New tank syndrome; Overfeeding; Insufficient cleaning; Filter not cycled.	Ensure filter is properly cycled. Reduce feeding. Perform partial water changes. Clean sponges.
Filter Detaches from Tank Wall	Suction cups not properly attached or worn out.	Re-attach suction cups firmly to a clean, smooth surface. Replace suction cups if they have lost their grip.

Problem	Possible Cause	Solution
No Air Bubbles	Air pump off or faulty; Air hose disconnected or blocked.	Check if air pump is plugged in and working. Ensure air hose is securely connected to both pump and filter, and free of blockages.

7. SPECIFICATIONS

Key technical details for the UPETTOOLS Aquarium Biochemical Sponge Filter (15-55 Gallon):

Feature	Detail
Model	15-55 Gallons-Black
Recommended Tank Size	15-55 Gallons
Filtration Type	Mechanical, Biological, Oxygenation
Media Included	Bio Foam Sponges, Ceramic Media Balls
Required Accessories (Not Included)	Air Pump, 4mm Air Hose
Item Weight	13.1 ounces
Package Dimensions	9.21 x 5.39 x 2.6 inches



A comparison graphic showing two models, 2881 and 2882, of the UPETTOOLS sponge filter. It illustrates their respective dimensions (height and width) and the quantity of included accessories, such as filter sponges and bags of Bacillus balls, for each model. This manual specifically covers the 15-55 Gallons-Black model.

8. WARRANTY AND SUPPORT

For specific warranty information regarding your UPETTOOLS Aquarium Biochemical Sponge Filter, please refer to the product packaging or contact the manufacturer directly. UPETTOOLS is committed to customer

satisfaction.

If you encounter any issues or have questions not covered in this manual, please reach out to UPETTOOLS customer support through their official website or the retailer where the product was purchased. Please have your product model and purchase date available when contacting support.