



Caring for Aquatic Life, All Together



Scan it for more filtration ideas

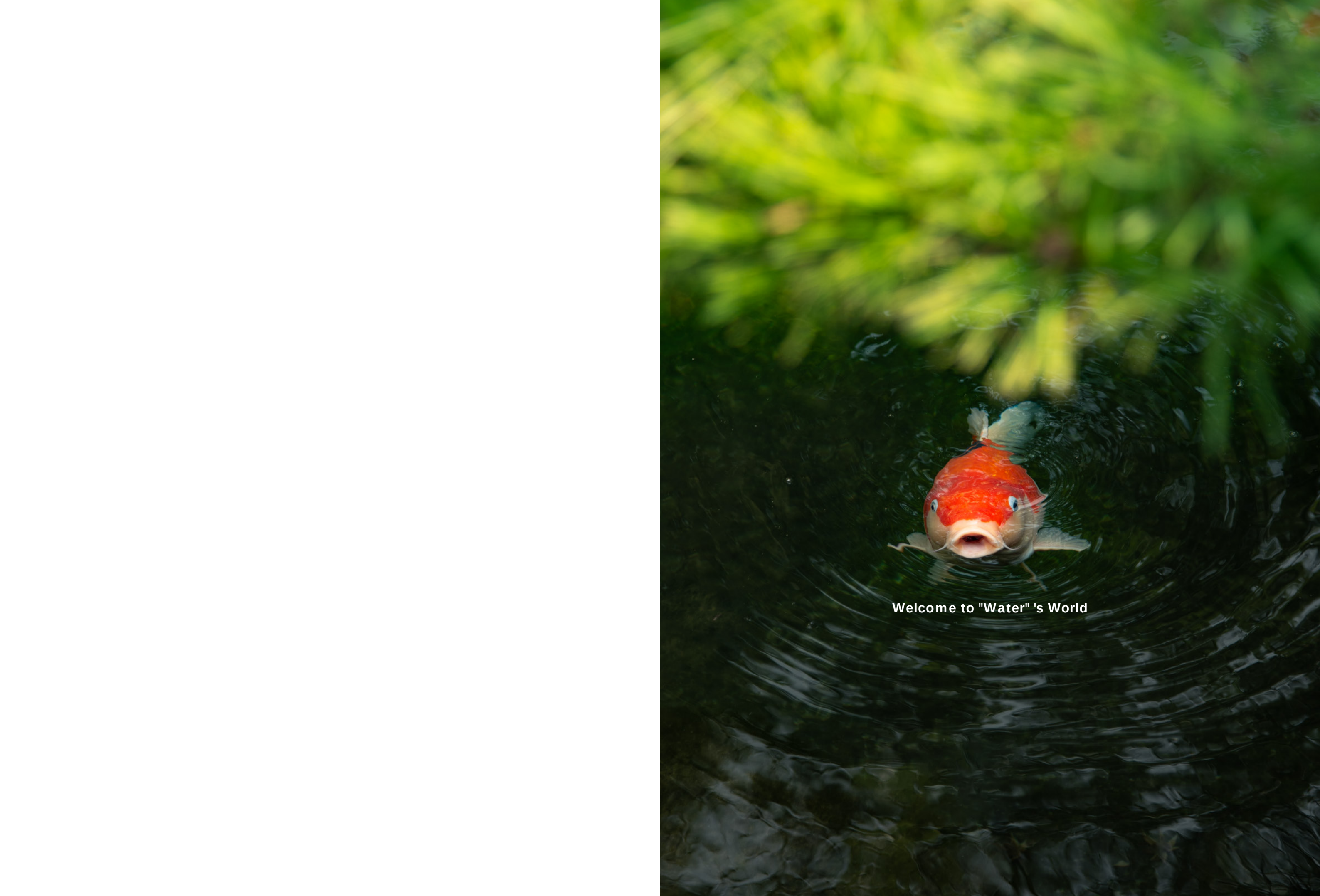
Mountain Tree Ecology & Technology Co., Ltd.
imountaintree.com

山

MOUNTAIN TREE

Water, Your Life, Your Soul, Our Mission!

樹



Welcome to "Water" 's World

START WITH LOVE, CONTINUE WITH LOVE



In this fast-paced world, we craft like true artisans, diving deep into nature for pure, eco-friendly materials. Our rigorous testing and refinement aim to ensure fish thrive in crystal-clear water.



Water, Your Life, Your Soul, Our Mission

This dedication makes the joy of fishkeeping, proving our efforts and faith in nature's power and craftsmanship spirit worthwhile.

Our brand story is built on this belief, honoring our commitment to sustainability and respect for the craft.

Born out of the love for fish, we prioritize animal welfare. We devote ourselves to creating better living environments for fish.

This is the Mountain Tree story. We specialize in filtration solutions, driven by love and respect for every life.



A Story of Love and Dedication

Mountain Tree's commitment to sustainability is more than a mission; it's a heartfelt journey. From the materials we choose to the processes we refine, every decision is made with love for our planet and respect for the life it sustains. Our story is one of continuous effort, where every product we create is a step toward a more sustainable and harmonious world.

This is the essence of Mountain Tree—where innovation meets responsibility and where our passion for nature drives us to make a lasting, positive impact. Together, we can nurture a future where aquatic life flourishes, resources are preserved, and communities thrive.

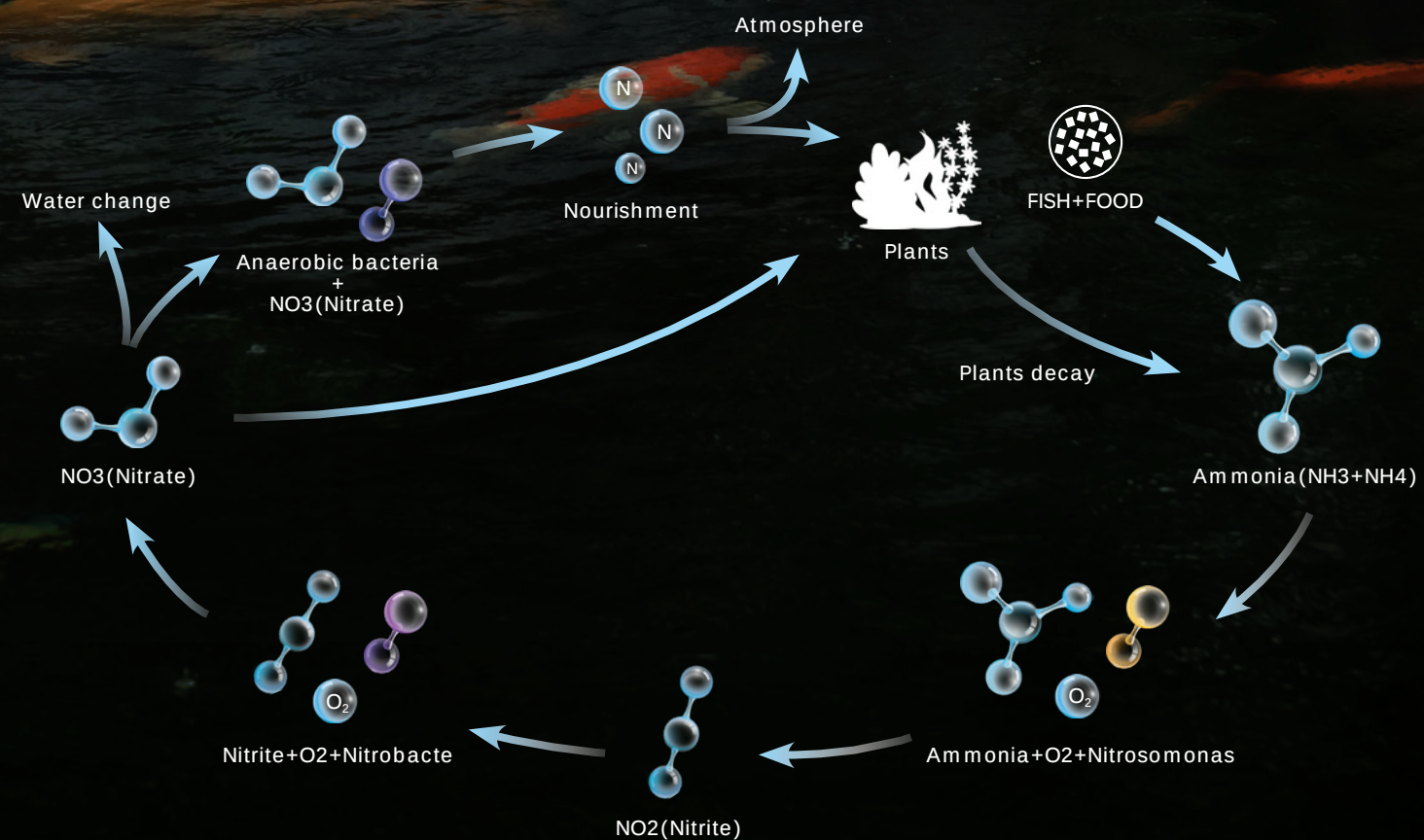


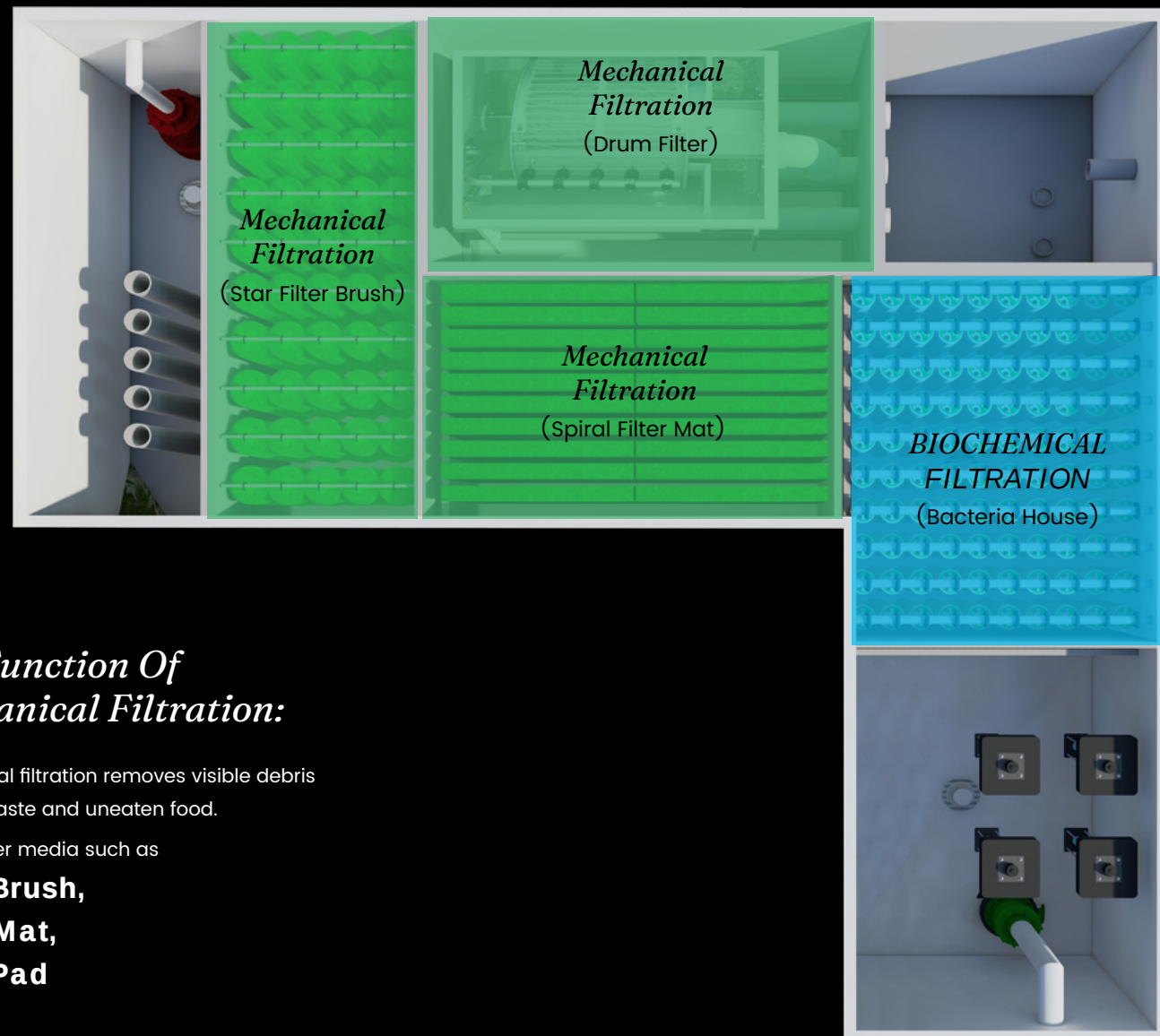
R&D/craft

Our R&D team conducts countless experiments and tests to find the most suitable materials for fish thriving, continually making adjustments to perfect our solutions. We actively seek out the most challenging issues in the market and develop targeted solutions to address them. We aim to help our customers solve problems to make sure your fish can grow healthily and happily.

The Natural Ecological Cycle

The ecological cycle in a fish pond is a balanced system, crucial for maintaining the health of the aquatic environment. This cycle involves interacting with fish, plants, bacteria, and the surrounding environment. Fish produce waste, which contains ammonia, a toxic substance if allowed to accumulate. Beneficial bacteria play a vital role by transforming ammonia into nitrites and then into less harmful nitrates through the process of nitrification. Plants and algae can absorb some parts of nitrates as nutrients, helping to control nitrate levels in the water, and the rest of the nitrates are converted into nitrogen gas by the denitrification process, which is then released harmlessly into the atmosphere.





The Function Of Mechanical Filtration:

Mechanical filtration removes visible debris like fish waste and uneaten food.

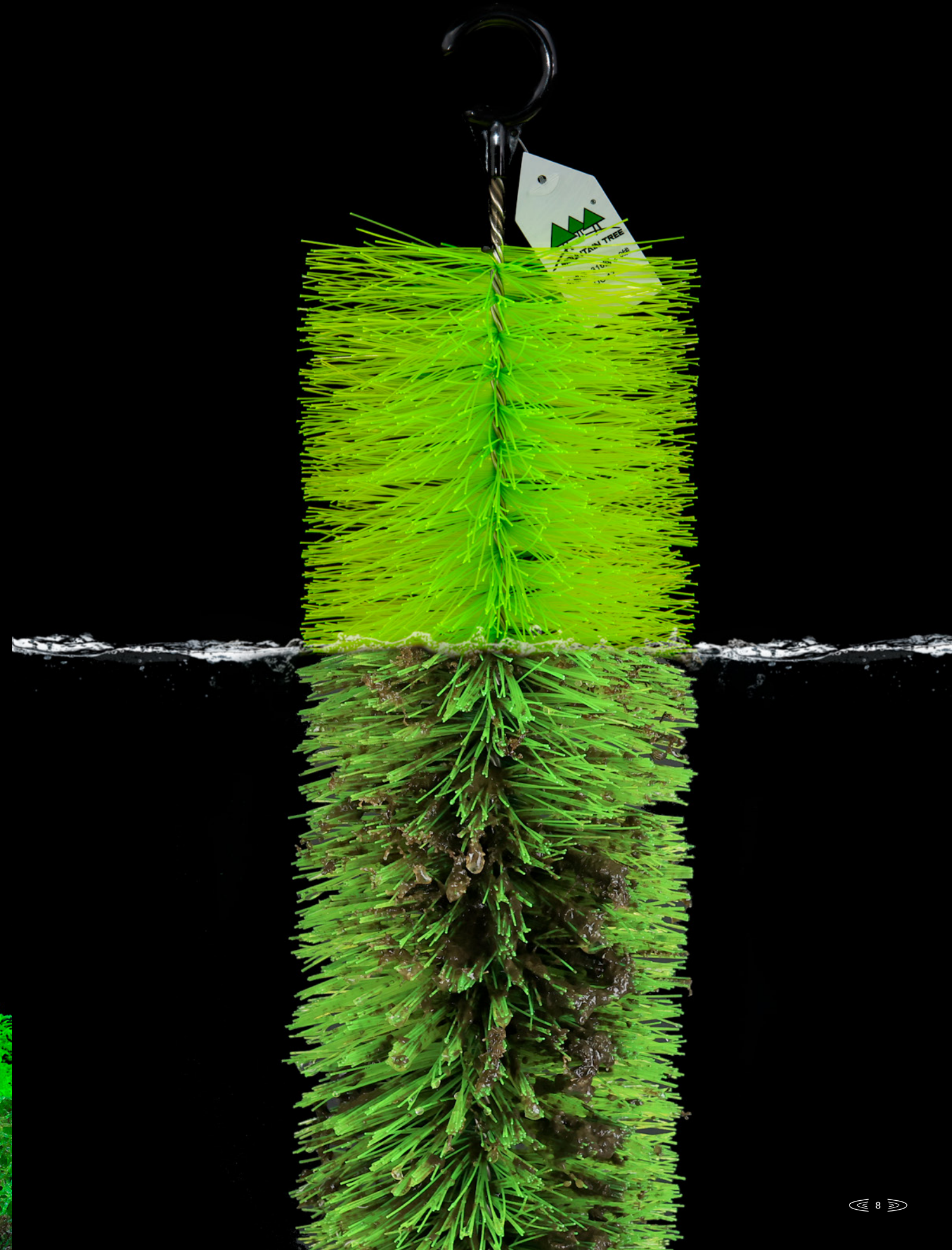
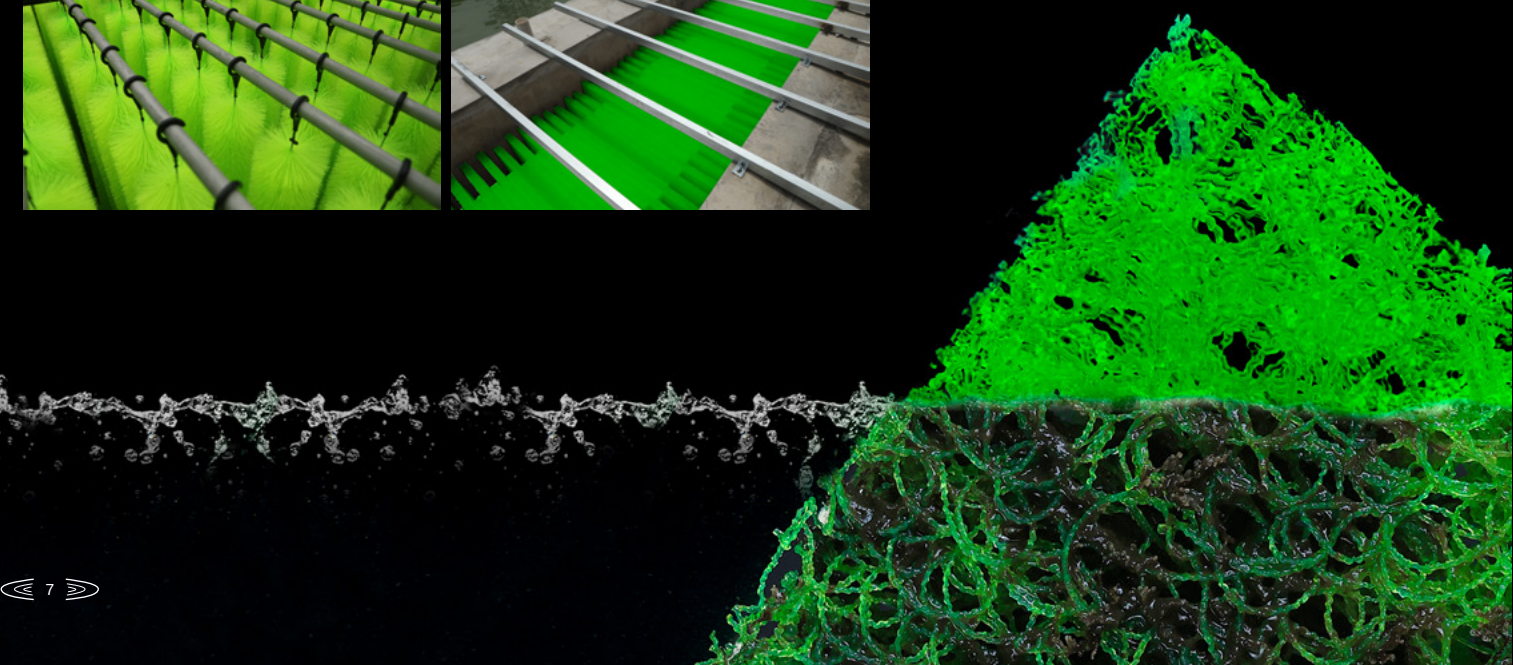
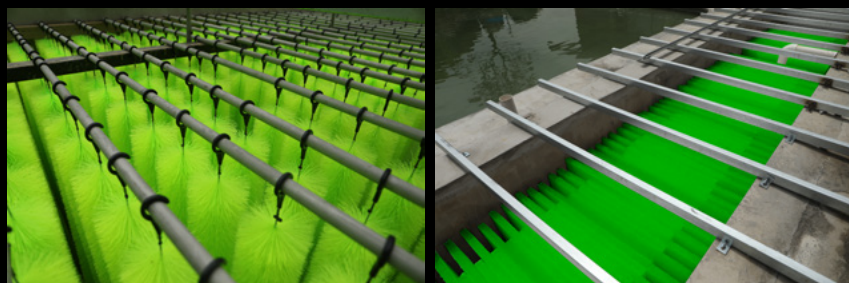
It uses filter media such as

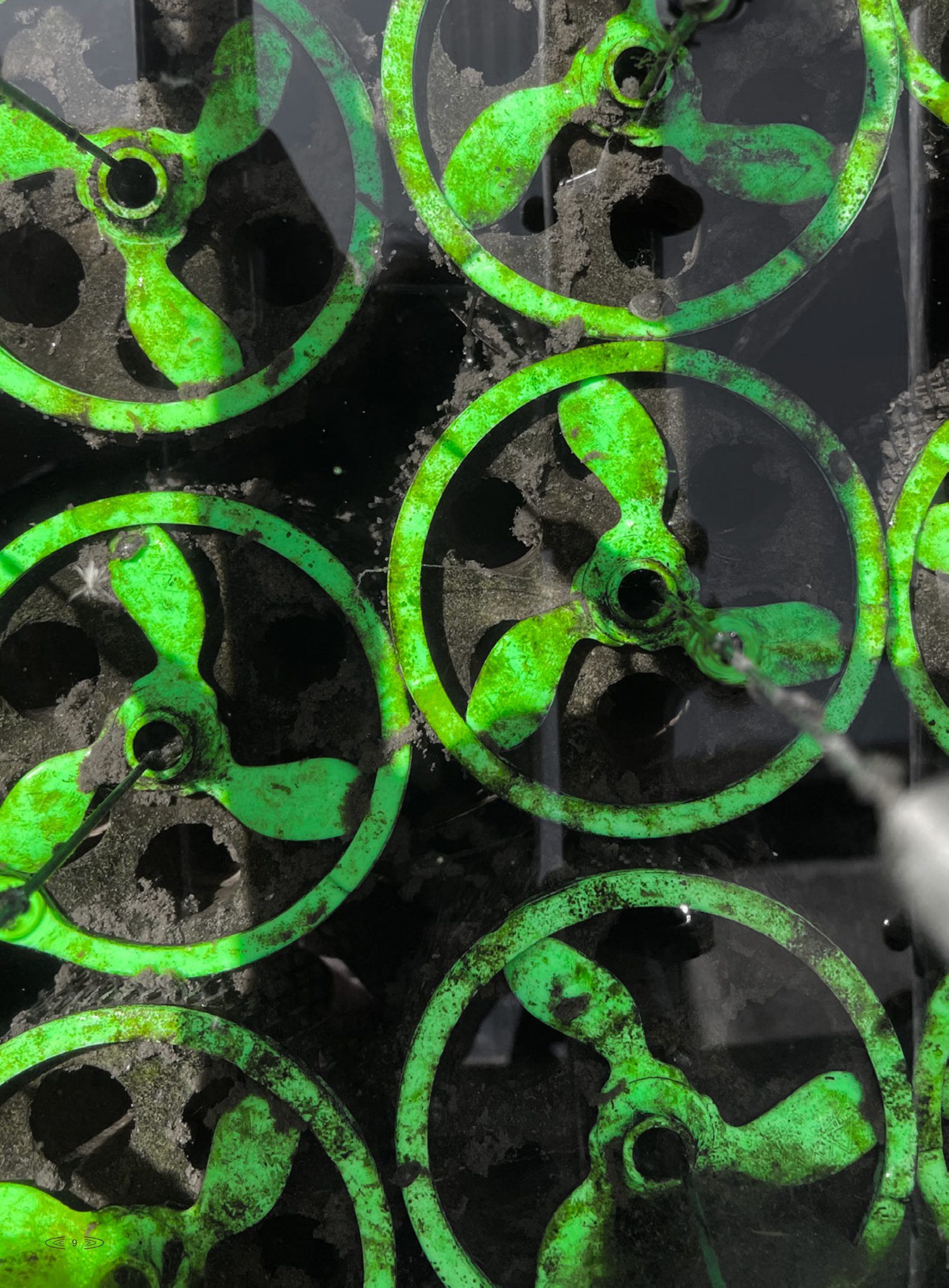
**Filter Brush,
Filter Mat,
Filter Pad**

...

to trap particles, ensuring clean water and reducing organic waste.

Regular maintenance is essential to keep the filter effective and avoid blockages.





*The Function Of
Biochemical Filtration:*

Biochemical filtration uses beneficial bacteria to break down toxic ammonia and nitrite from fish waste.

Media like

**Bacteria House
Ceramic Rings**

...
provide many surfaces for bacteria to thrive,
converting harmful substances into less toxic nitrate
and supporting a stable aquatic environment.





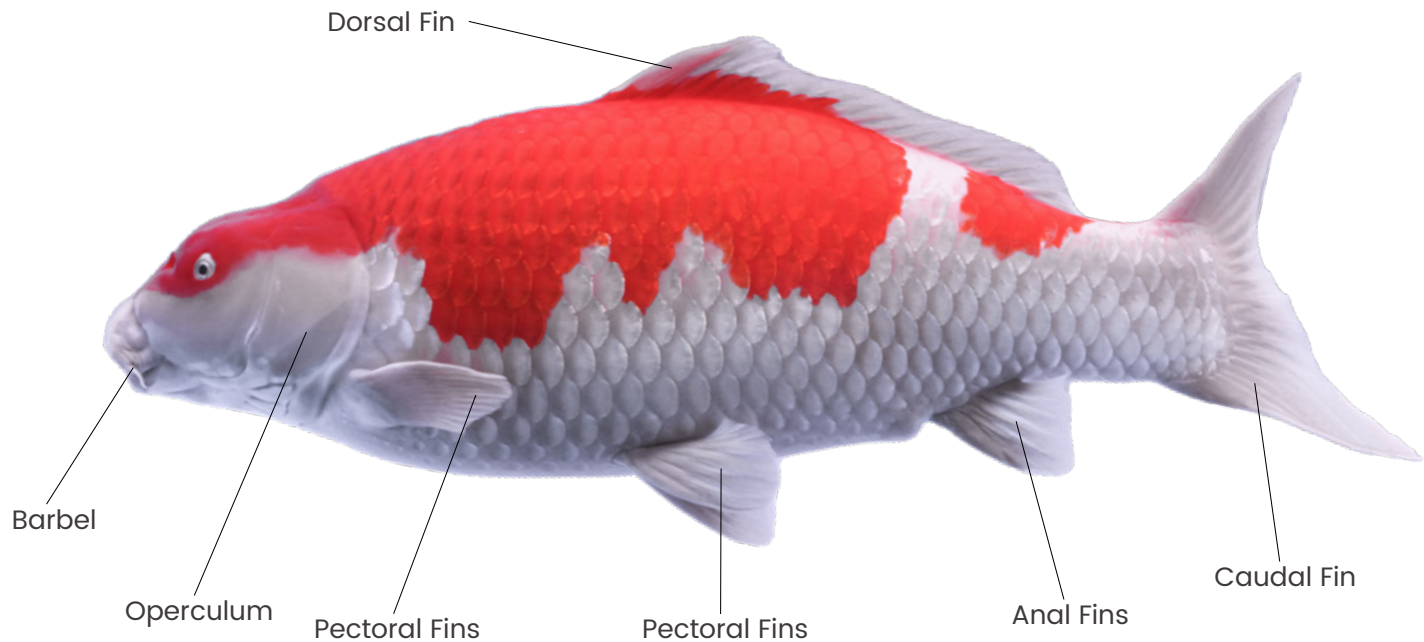
The Origins of Koi: A Timeless Tale of Beauty and Tradition

The koi's journey from the rice paddies of Japan to the elegant ponds of today is a testament to human dedication and the timeless appeal of nature's wonders. Over time, these fish became symbols of strength, perseverance, and good fortune, cherished not only for their beauty but also for their deep cultural significance. Today, koi are admired around the world, continuing to inspire awe and appreciation with every graceful glide through the water, carrying forward a legacy of elegance and tradition.

Do You Know Your Koi?

Koi Living Environment and Water Quality Requirements

Koi thrive in **water temperatures** ranging from 65°F to 75°F (18°C to 24°C). Extreme temperatures should be avoided as they can cause stress and health issues, and ensure gradual changes in temperature to prevent shock. The ideal **pH level** for koi is between 6.8 and 8.2, and regularly monitoring and adjusting the pH is necessary to maintain a stable environment. **Ammonia** levels should be at 0 ppm, as ammonia is toxic to koi and can cause severe health problems, including gill damage and stress. **Nitrite** levels should also be at 0 ppm, as nitrite is toxic and can impair oxygen transport in koi, leading to suffocation. **Nitrate** levels should be below 40 ppm, as high nitrate levels can stress koi and lead to algae growth. Regular water changes help keep nitrate levels in check. Adequate oxygen levels are crucial for koi health, so ensure proper aeration using air pumps, especially during warmer months when oxygen levels can drop. Koi prefer moderately hard water with a general **hardness (GH)** of 100–250 ppm, which helps maintain stable pH levels and provides essential minerals.

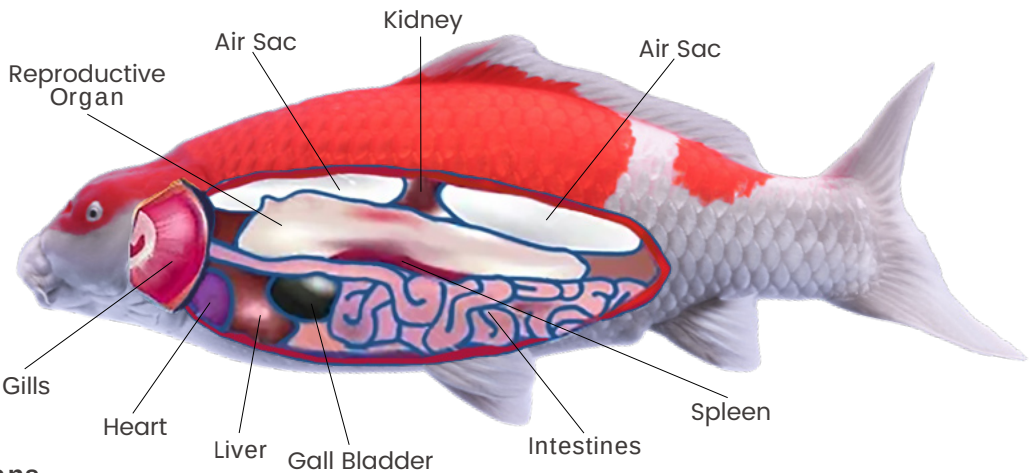


Koi Body Structure

The **head** of the koi includes the mouth, eyes, and gill covers. The mouth is used for feeding and detecting food and substrate, being sensitive and equipped with taste buds that help in identifying food. The **eyes**, as visual organs, help the koi navigate and find food in the water, providing good vision for spotting food and potential threats. The **gill covers** protect the gills and participate in the breathing process by allowing water to flow over the gills. To maintain the health of the head, ensure that the water quality is clean and free from pollutants that could irritate the gills and eyes. Regularly check for injuries or parasites on the koi's head.

The **fins** of the koi include the dorsal fin, pectoral fins, pelvic fins, anal fin, and caudal fin. The dorsal fin helps the koi maintain stability in the water, while the pectoral fins are used for swimming and braking, providing maneuverability. The pelvic fins assist in swimming and maintaining balance, and the anal fin helps in keeping direction, contributing to stability during swimming. The caudal fin provides the main propulsion, enabling the koi to swim efficiently. To keep the fins healthy, avoid sharp objects in the water to prevent injuries and provide ample swimming space to avoid overcrowding. Regularly inspect the fins for any signs of damage or infection.

The **scales** of the koi cover its body, providing a protective layer against external injuries and parasites while also serving as a waterproof barrier. Keeping the scales healthy involves maintaining clean water quality to prevent bacterial and fungal infections and regularly checking for any missing or damaged scales. The **lateral line** is a sensory organ along the sides of the koi's body that detects water flow and vibrations, helping the koi navigate in the water. To keep the lateral line healthy, ensure a stable water environment and avoid drastic changes in water flow.



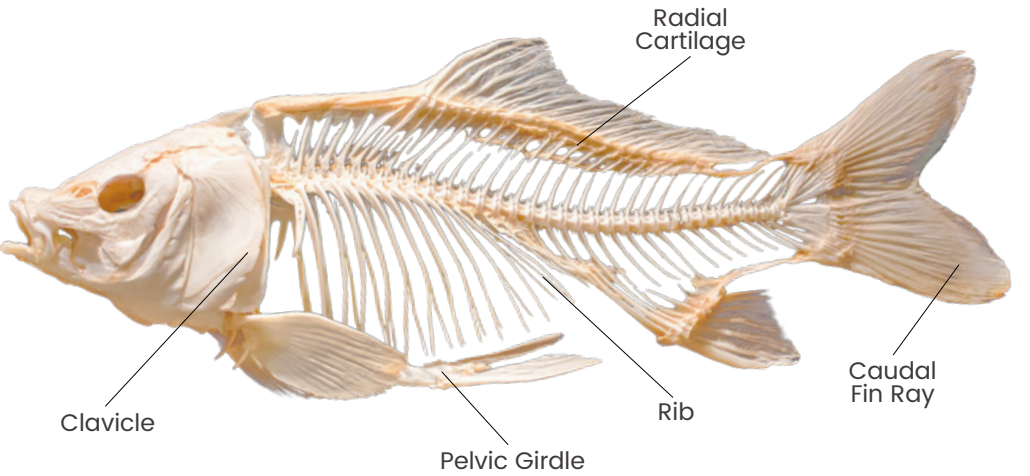
Koi Internal Organs

The **heart** of the koi is located in the chest cavity and is responsible for circulating blood, pumping it to deliver oxygen and nutrients throughout the body. To keep the heart healthy, ensure the water has sufficient oxygen and provide a balanced diet.

The **gills**, located on both sides of the head, absorb oxygen from the water and expel carbon dioxide, serving as the main respiratory organs. Maintaining gill health involves keeping the water clean and preventing poor water quality that could damage the gills.

The **liver**, located in the abdominal cavity, participates in digestion and metabolism, breaking down toxins, storing energy, and engaging in metabolic processes. Keeping the liver healthy requires avoiding overfeeding and ensuring the quality of the feed.

The **kidneys**, located along the back, filter the blood, remove waste, and regulate water and electrolyte balance. To maintain kidney health, keep the water quality stable and provide clean drinking water.



Koi Skeleton

The **spine** of the koi consists of a series of vertebrae running through its body, providing structural support and flexibility, as well as protecting the spinal cord. To maintain spinal health, avoid severe impacts and falls, and provide suitable water depth and swimming space.

The **gill bones** support the gill covers and protect the gills, which are involved in the respiratory process by filtering oxygen from the water. Ensuring the health of the gill bones and gills requires maintaining high water quality and adequate oxygen levels, avoiding exposure to pollutants.

The **clavicle** in koi is part of the pectoral girdle, which supports the pectoral fins. This structure is essential for the stability and movement of the pectoral fins, allowing the koi to navigate and maneuver effectively in the water.

The **pelvic** girdle supports the pelvic fins, providing additional stability and aiding in balance and directional changes.

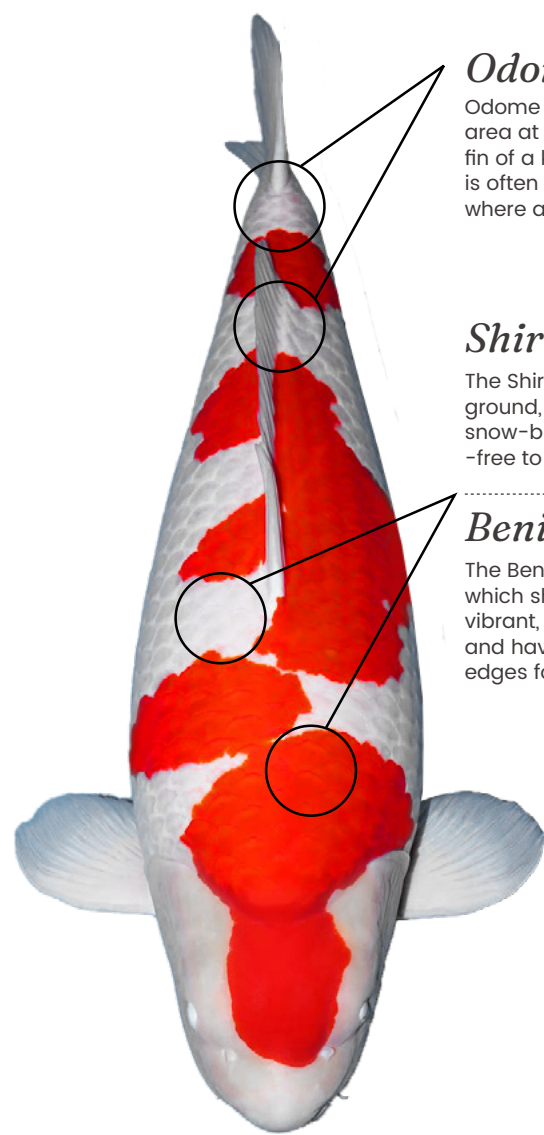
The **ribs** in koi form part of the internal skeleton that protects vital organs such as the heart and liver, and they play a role in maintaining the structural integrity of the fish's body.

The **Radial** cartilage is associated with the fin structures and provides flexibility and support, allowing the fins to move efficiently and contribute to the koi's ability to swim.

The **caudal** fin rays are the bony structures within the caudal fin that provide support and enable powerful propulsion through the water. These rays are crucial for the koi's swimming capabilities, ensuring effective movement and speed.

Summary

Maintaining the health of koi involves providing good water quality, balanced nutrition, and a suitable environment. Regularly monitor water parameters, provide appropriate amounts of food, avoid overcrowding and physical damage, and observe the behavior and appearance of the koi regularly to identify and address health issues promptly. By following these measures, you can effectively keep your koi healthy and vibrant.



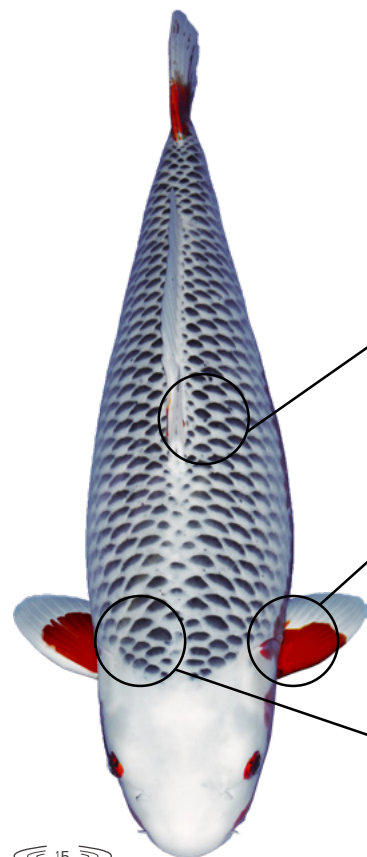
Odome
Odome refers to the white area at the base of the tail fin of a koi fish. This section is often used to describe where a color pattern ends.

Shiroji
The Shiroji is the white ground, which should be snow-bright and blemish-free to enhance elegance.

Beni
The Beni is the red marking, which should be rich, vibrant, evenly distributed, and have sharp, velvety edges for high quality.



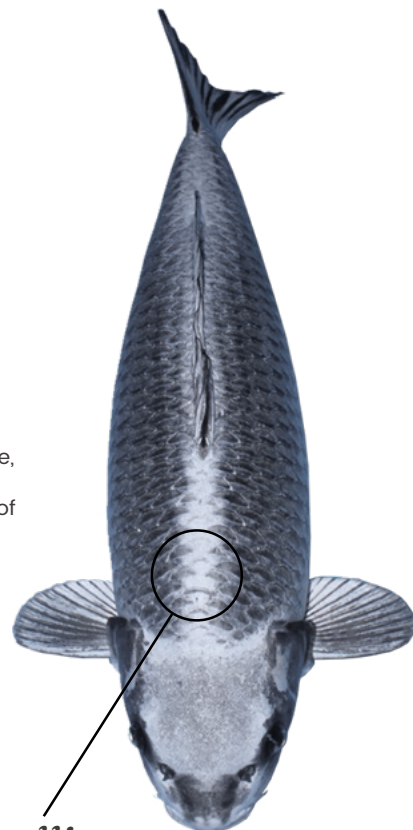
Doitsugoi
Doitsugoi, or Doitsu, refers to a variety of koi with very few or no scales, often resulting in a smooth skin appearance.



Fukurin
Fukurin refers to the reticulated or net-like pattern seen on the skin between the scales of a koi fish.

Motoaka
Motoaka refers to the red coloration found at the base of the pectoral fins of a koi fish.

Matsuba
A koi variety with a pinecone-like pattern, where each scale has a darker center, creating a reticulated effect.



Metallic
Metallic refers to koi that have a shiny, metallic sheen to their scales.



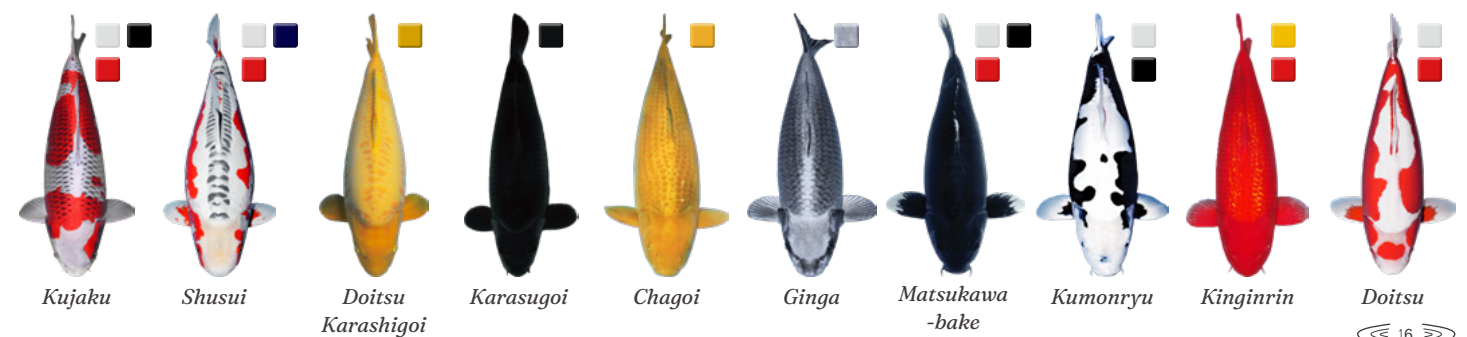
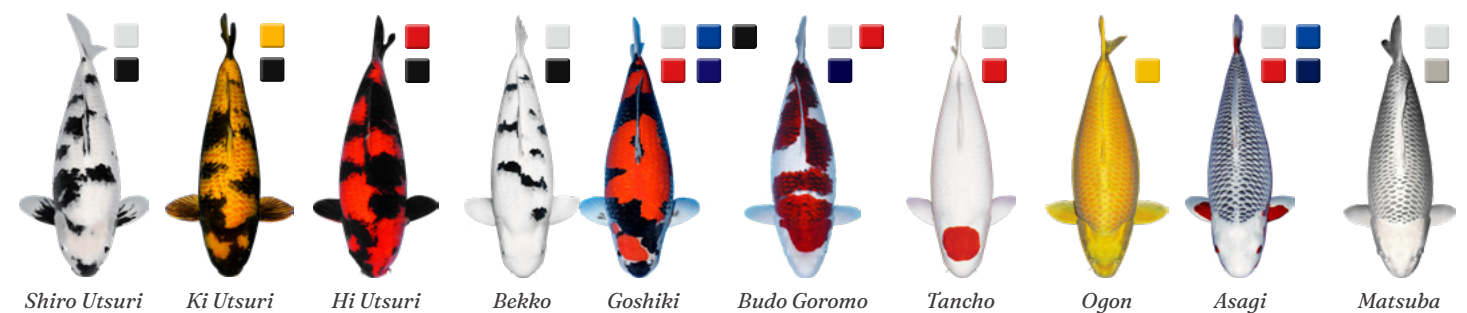
Kohaku



Showa



Sanke





Filters for Your Freshwater Aquarium

Sump Filter

Big Aquarium

Best for larger aquariums where space permits and where you want to hide equipment for a cleaner tank appearance.



Canister Filter

Big or Medium Aquarium

Best for medium to large aquarium, or aquarium with heavy bioloads requiring strong filtration.



Hang on Back

Small or Mini Aquarium

Ideal for small to medium-sized aquariums, beginners, or anyone looking for a simple and easy-to-use solution.





Betta Fish

76-82°F (24-28°C)
6.5-7.5pH
5-20 dGH



Goldfish

65-75°F (18-24°C)
6.5-7.5pH
5-20 dGH



Guppy

74-82°F (23-28°C)
6.8-7.8pH
10-30 dGH



Corydoras Catfish

72-78°F (22-26°C)
6.0-7.5pH
Soft to moderately hard

Neon Tetra

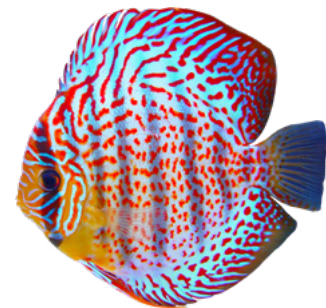
72-78°F (22-26°C)
6.0-7.0pH
Soft to moderately hard



Platies

72-78°F (22-26°C)
7.0-8.0pH
10-30 dGH





Discus Fish

76-82°F (24-28°C)
6.8-7.8pH
5-10 dGH



Arowana

75-82°F (24-28°C)
6.0-7.0pH
1-8 dGH



Swordtail

72-78°F (22-26°C)
7.0-8.0pH
10-30 dGH



Molly Fish

74-78°F (23-26°C)
7.5-8.5pH
10-30 dGH



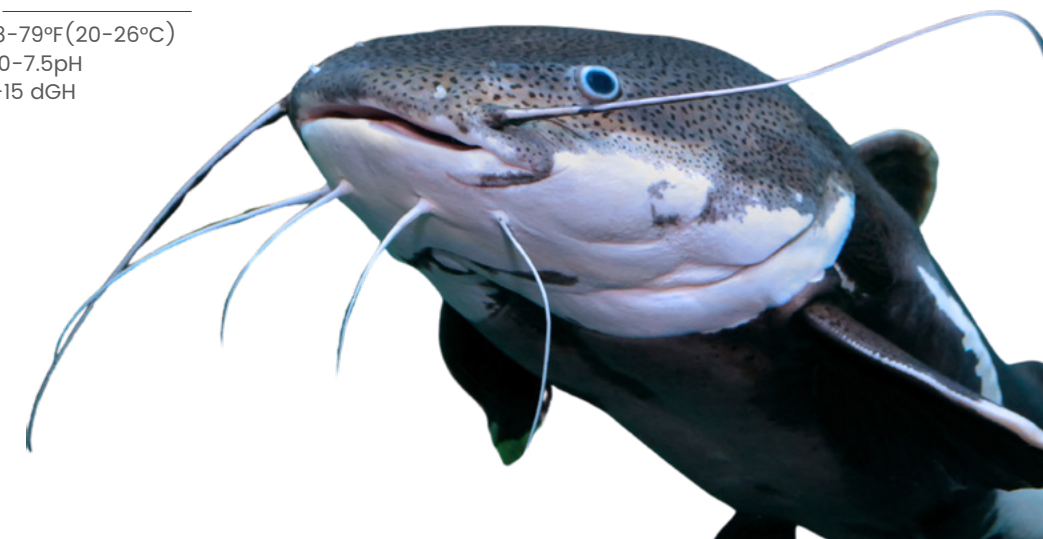
Oscar

74-81°F (23-27°C)
6.0-8.0pH
5-20 dGH



Redtail Catfish

68-79°F (20-26°C)
6.0-7.5pH
2-15 dGH



Zebra Danio

64-74°F (18-23°C)
6.5-7.5pH
5-20 dGH





Pacu
||||
72-82°F (22-28°C)
6.5-7.5pH
4-15 dGH



Flowerhorn Cichlid
||||
75-80°F (24-27°C)
6.5-8.0pH
9-20 dGH



Clown Knife Fish
||||
75-82°F (24-28°C)
6.0-7.5pH
5-12 dGH



Alligator Gar
||||
75-85°F (24-29°C)
6.5-8.0pH
5-20 dGH



Giant Gourami
||||
72-82°F (22-28°C)
6.5-8.0pH
5-25 dGH

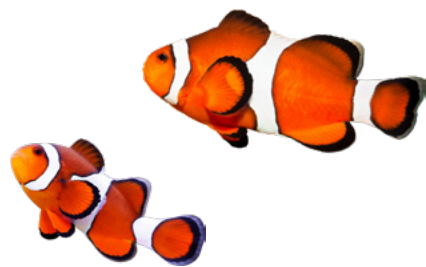


Peacock Bass
||||
75-82°F (24-28°C)
6.0-7.5pH
2-15 dGH



Stingray
||||
75-82°F (24-28°C)
6.5-7.5pH
5-12 dGH





Clownfish

75-82°F (24-28°C)
8.0-8.4pH
8-12 dGH

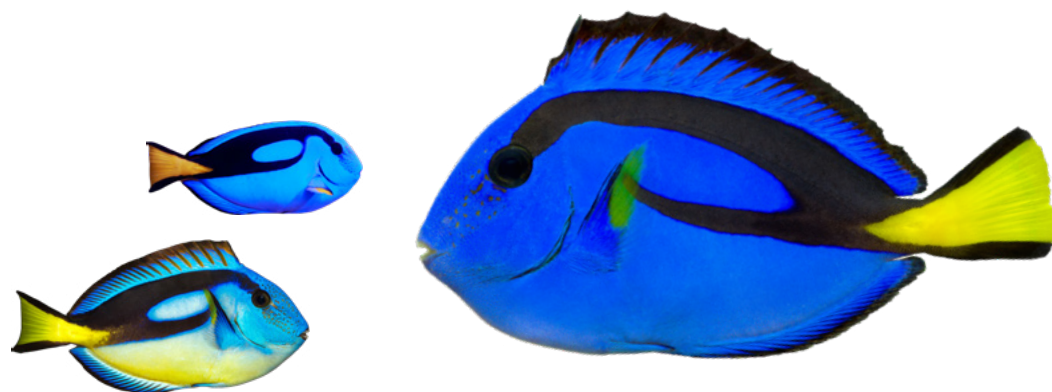
Emperor Angelfish

75-82°F (24-28°C)
8.1-8.4pH
8-12 dGH



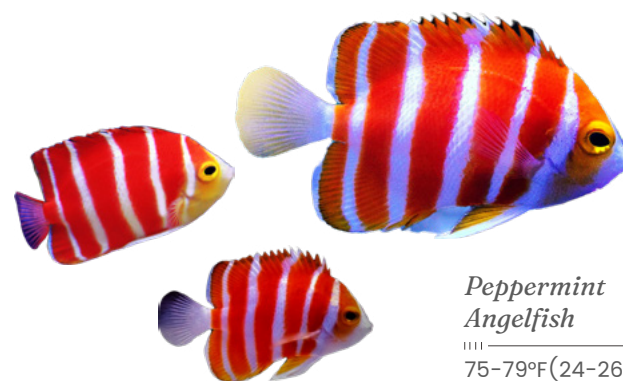
Blue Tang

75-82°F (24-28°C)
8.1-8.4pH
8-12 dGH



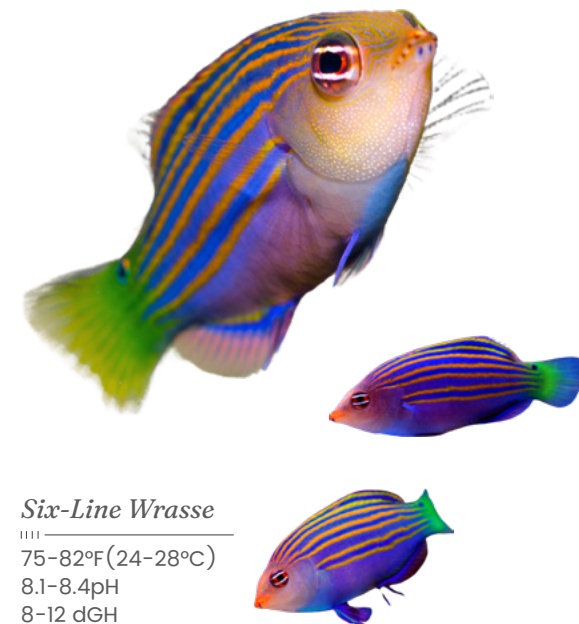
Yellow Tang

75-82°F (24-28°C)
8.1-8.4pH
8-12 dGH



Peppermint Angelfish

75-79°F (24-26°C)
8.1-8.4pH
8-12 dGH



Six-Line Wrasse

75-82°F (24-28°C)
8.1-8.4pH
8-12 dGH

Mandarinfish

75-82°F (24-28°C)
8.1-8.4pH
8-12 dGH



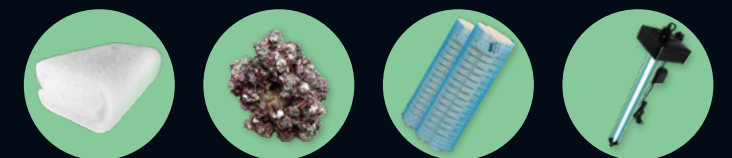
Clown Triggerfish

75-82°F (24-28°C)
8.1-8.4pH
8-12 dGH





Is Live Rock Enough for Effective Filtration in Your FOT Tank?



No.

Live rock is an essential component in Fish Only Tank (FOT). It provides natural biological filtration by hosting beneficial bacteria that convert harmful ammonia into nitrite and then nitrate.

However, relying solely on live rock in a Fish Only Tank is not sufficient. It lacks mechanical filtration to remove particulate matter and does not provide enough biochemical filtration to eliminate dissolved organics and toxins, especially given the high amount of waste produced in FOT tanks. A **protein skimmer**, **mechanical filters**, and **biological filter media** are recommended to enhance filtration efficiency. A **refugium** or **algae scrubber** can also help manage nutrient levels, ensuring a balanced and healthy aquatic environment. Regular maintenance, including water changes and cleaning, further supports optimal water quality for thriving marine life.

Additionally, since live rock is a non-renewable resource, using filter media can reduce reliance on live rock, making your setup more sustainable and eco-friendly.

Explore the Microbial World of Your Filtration System

The 1st Phy&Bio Filtration Chamber

Star Filter Brush

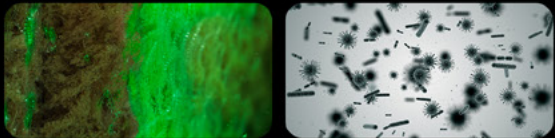
Primary organisms: Benthos, algae
Main function: Intercepts food residues; provides a habitat for benthic organisms; bio-affinity of the material.



The 2nd Bio Filtration Chamber

Spiral Filter Mat

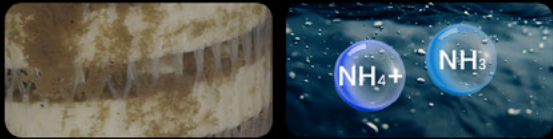
Primary organisms: Fungi, algae, bacteria
Main function: Small amounts of nitrifying bacteria, fungi secrete bio-glue to bind micron-sized particles; regular cleaning is necessary to prevent clogging.



The 3rd Biochemical Filtration Chamber

Bacteria House

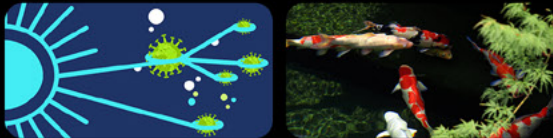
Primary organisms: Beneficial bacteria
Main function: Ceramic is primarily composed of minerals, and its microporous structure generates Van der Waals forces, actively adsorbing ammonia ions for nitrifying bacteria to consume.



The Microbial Balance Chamber

UV Sterilizer

Primary organisms: Algae, viruses, bacteria
Main function: Eliminates remaining contaminants, sterilizes, and controls algae.



Star Filter Brush

MTA124/MTB124 Dia12-15CM, L 30-200CM



Product
Introduction

MOUNTAIN TREE

Brush Series

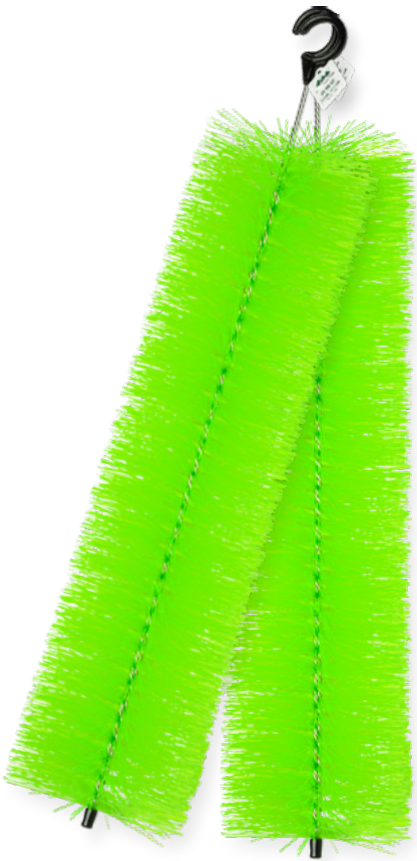
Unmatched Filtration Efficiency

Experience **4X** the filtration power —engineered with patented star-shaped filaments for superior debris capture and optimal bacteria growth.

MT patented Star Filter Brush, featuring an innovative six-pointed star filament design, delivers enhanced physical and biological filtration power for your pond filtration.

Why Choose Mountain Tree?

- 01. Exclusive patented star shape filaments offer more surface areas
- 02. Crafted from 304/316 stainless steel for unrivaled durability and rust-proof assurance
- 03. EU RoHS standards test compliant & made with non-toxic material
- 04. Bio-affinity materials for superior bacteria cultivation



Customizable Options with Premium Durability

Come in two different specifications, you can choose the one that best suits your needs. Made from high-quality raw materials, our Filter Brush is designed for extended durability, offering a longer lifespan and greater value for your investment.



Two 304 stainless steel wires



Four 316 stainless steel wires

*It can be customized to fit your needs, from 12-15 diameter, 30cm to 200cm in length.

Simplified Installation And Maintenance

Feature an open hook design for quick installation and removal, and they're simple to clean. Thus, you'll spend less time on upkeep and more time enjoying your clear, beautiful water.



Spiral Filter Mat

MTF303	200x100x4CM
MTF308	100x120x4CM



Product
Introduction
MOUNTAIN TREE

Mat Series

Outstanding Physical & Biological Filtration Performance

The patented spiral structure ensures exceptional physical particle filters and ample space for bacteria cultivation, allowing high water flow to go through, boosting beneficial bacteria development, and delivering top-notch filtration performance.

MT Spiral Filter Mat improves the water clarity of your ponds and aquariums with its effective physical and biochemical filtration mechanism.

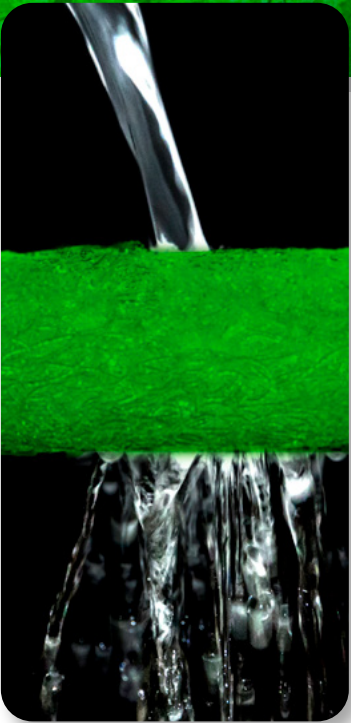
Why Choose Mountain Tree?

- 01. A patented spiral 3D structure adds more surface area
- 02. Excellent water permeability
- 03. Manufactured with hot-melting technology, solid and durable
- 04. EU RoHS standards test compliant
- 05. Bio-affinity materials for superior bacteria cultivation



Safe and Durable

Made of eco-friendly material by hot-melting without any glue, it is more durable and safe for fish.



Reduce Clogging Problem and Replacement Frequency

The meticulously crafted thickness and density of this product ensure optimal water permeability and effectively guard against clogging.



Easy to Customize and Maintain

The filter mat can be effortlessly tailored to meet your specific requirements and is easy to clean with tap water.

Lotus Root Bacteria House II

MTF218 Dia 8x25CM
MTF207 Dia 4x16.5CM



Product Introduction
MOUNTAIN TREE

Bacteria House Series

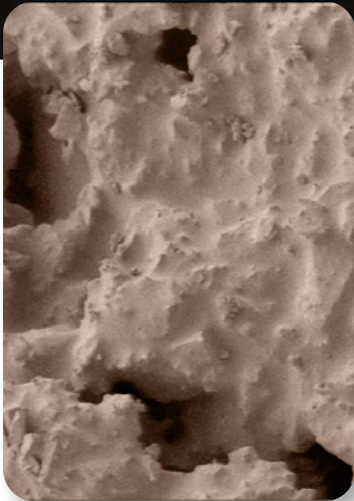
Excellent Filtration Efficiency

Lotus Root Spiral Structure adds up to **3 times** more filtration space than common biochemical products.

Mountain Tree Bacteria House II features a Patented lotus root shape and spiral structure that significantly increases the surface area for effective bacteria cultivation, ensuring unparalleled biofiltration for ponds and aquariums.

Why Choose Mountain Tree?

- 01. Patented Lotus Root Spiral structure ensures a powerful filtration
- 02. 60% water absorption rate enables a high filtration efficiency
- 03. Rich in mineral elements
- 04. EU RoHS standards test compliant & made with non-toxic material
- 05. Bio-affinity materials for superior bacteria cultivation



Microporous Structure Promotes Bacteria Cultivation

With a 70% open rate, it features countless micropores for bacteria to cultivate. The surface area is up to 5404m²/pc.



Create a Long - Term, Healthy Aquatic Ecosystem

Break down ammonia, nitrite, and nitrate and release essential minerals like K, Mg, Fe, Zn, Na, and Ca for thriving aquatic life.



Mesh Protector Extends the Lifespan of the Bacteria House

Made of eco-friendly materials, it can be directly put into the filtration system for the long-lasting use of the bacteria house.



Sustainability

Handcrafted with non-toxic materials and sustainable manufacturing processes, the Bacteria House is safe for everyone and significantly reduces its carbon footprint.

Lotus Root Bacteria House III

MTF219 Dia 8x25CM
MTF217 Dia 4x16.5CM



Product Introduction
MOUNTAIN TREE

Bacteria House Series

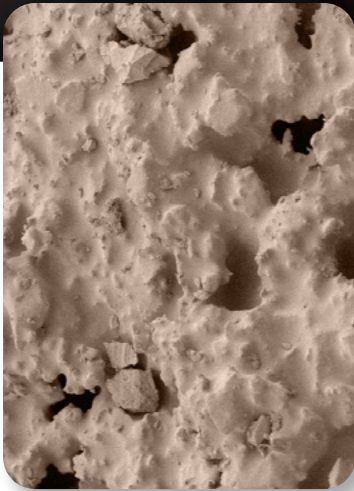
Superior Filtration Efficiency

The upgraded indented design adds 20% more surface area than Gen II, and the indented structure diversifies the water flow, where it gets more water flow to go through evenly, and significantly improves filtration efficiency.

Mountain Tree Bacteria House III enhances filtration efficiency with an upgraded indented lotus root structure, increasing surface area by **20%** over Gen II.

Why Choose Mountain Tree?

01. Upgraded indented lotus root structure
02. 60% water absorption rate enables a high filtration efficiency
03. More mineral elements add
04. EU RoHS standards test compliant & made with non-toxic material
05. Bio-affinity materials for bacteria cultivation



Microporous Structure Promotes Bacteria Cultivation

With a 70% open rate featuring countless micropores, our design offers more space and increased surface area (6650m²/pc) for effective bacteria cultivation.



Create a Long-Term, Healthy Aquatic Ecosystem

Break down ammonia, nitrite, and nitrate and release essential minerals more than Generation II. **6 times** more calcium and **2 times** more magnesium compared to Generation II



Mesh Protector Extends the Lifespan of the Bacteria House

Made of eco-friendly materials, it can be directly put into the filtration system for the long-lasting use of the bacteria house.



Tips for using Bacteria House

1. Position the bacteria house vertically for optimal use.
2. For maintenance, gently rinse the bacteria house's surface with tap water every six months. Avoid squeezing or using jetting mode for rinsing.
3. Start by placing the filter mat/pad on top of the bacteria house when using in Bakki Shower.
4. Better to hang up when using many bacteria house.

UV Sterilizer

- MTUV15 L 38CM 220V 50~60Hz 15W
- MTUV20 L 62CM 220V 50~60Hz 20W
- MTUV40 L 91CM 220V 50~60Hz 40W



Product Introduction

Accessory Series

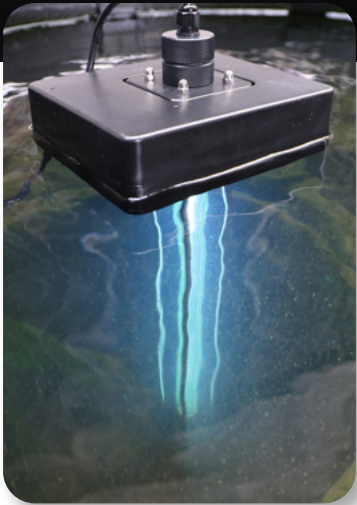
Superior Sterilization Capability

Effective in **3 hours** with enhanced effects through continuous use. High-quality quartz glass boasts **99%** light transmittance for efficient sterilization and algae removal.

The MT UV Sterilizer, available in 15W, 20W, and 40W safeguards your aquatic environment by preventing algae bloom and controlling harmful parasites and bacteria, ensuring a healthier living environment for aquariums and ponds.

Why Choose Mountain Tree?

- 01. Stainless Steel mounting brackets to protect UV lamp
- 02. External electronic ballast ensures sterilization efficiency and safety
- 03. External socket ensures long durability and safety
- 04. EU RoHs, CE, UL, PSE certified, made with non-toxic materials



Durable and Sustainable

Each bulb lasts up to **8,000** hours and is replaceable for long-term use.



Safe Operation

Features an external ballast to prevent over-voltage and short-circuiting.



Enhanced Effectiveness

The patented stainless steel frame prevents UV scattering and protects the lamp.



360-Degree Sterilization

The floating board design ensures comprehensive sterilization without dead angles and prevents leaks when submerged.

Spawning Brush

MTF100100 Dia 15x100CM
MTF100150 Dia 15x150CM



Product Introduction
MOUNTAIN TREE
Brush Series

Mimic the Natural Spawning Environment of Fish

Made of soft stainless steel and appropriately dense nylon filaments, emulates a natural koi spawning environment, fostering optimal conditions for fish breeding.

MT spawning brush emulates a natural koi spawning environment with soft and malleable filaments, creating optimal conditions for successful fish breeding.

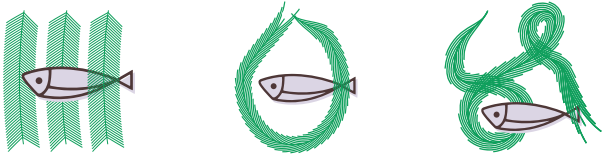
Why Choose Mountain Tree?

- 01. Soft like seaweed
- 02. Double-headed hook design, easy to set
- 03. Increase fish eggs' survival rate
- 04. EU RoHS standards test compliant & made with non-toxic material

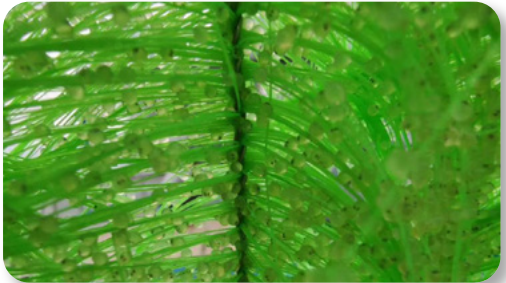


High Survival Rate of Fish Eggs

Its structure creates an ideal space for fish eggs, promoting easier adhesion and ensuring access to essential oxygen and nutrients for eggs development.



- *Usage method
- 1. Secure the hook to ensure that the hatching brush floats in the water.
 - 2. You can select the following three installation methods.



Easy Installment and Maintenance

Designed with a double-headed hook, it is easy to install, remove, and make fish nests. It is washable and reusable.

Skimmer

MTF601	Dia 50MM - 2 INCH
MTF602	Dia 75MM - 3 INCH
MTF603	Dia 110MM - 4.3 INCH
MTF609	Dia 110MM Plus - 4.3 INCH



Product Introduction

Accessory Series

Optimal Surface Pre-Filter for Enhanced Clarity

Our patented design is engineered to expertly capture surface debris like leaves and waste, significantly reducing the load on filtration systems. This feature ensures your pond remains crystal clear.

The MT Skimmer, featuring a patented design, serves as a pre-filter for your pond. It efficiently collects debris like leaves and waste, allowing adjustable water flow for different aquatic conditions.

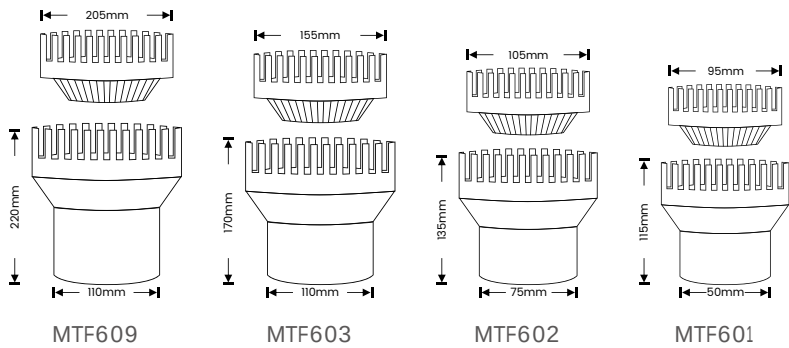
Why Choose Mountain Tree?

- 01. Collect debris and wastes
- 02. Adjustable water flow and tilt angle
- 03. 3 sizes to fit your pipe
- 04. Effective interception of uneaten feed, saving feed costs
- 05. EU RoHS standards test compliant & made with non-toxic material



Precision Water Flow Adjustment for Your Needs

Easily control water flow by rotating the axis to adjust the gears; our skimmer allows perfect water movement customization. Close the gears when feeding to avoid food waste, save your feeding cost.



Built to Last, Easy to Maintain

Crafted for durability and designed for ease of maintenance. Its simple cleaning process makes upkeep easy, saving you time and effort in the long run.

Air Diffusor

MTF604 Dia 30CM
MTF605 Dia 50CM



Product Introduction

MOUNTAIN TREE

Accessory Series



Enhanced Oxygenation Supplement

The rubber ring is designed with numerous and irregular pores, significantly boosting the dissolved oxygen levels in the water.

The MT Air Diffusor, featuring countless pores on the rubber ring, is an exceptional solution for boosting dissolved oxygen levels in your pond.

Why Choose Mountain Tree?

- 01. Crafted with a 304 Stainless Steel base, durable and rustproof
- 02. Release fine bubbles to increase the dissolution of oxygen effectively
- 03. Rounded edge design to avoid any hurts to fish
- 04. Environmentally friendly rubber used, safe for all fish and plants
- 05. EU RoHS standards test compliant & made with non-toxic material



Do Not Hurt to Fish

Made from high-quality rubber with a round design, our diffuser is gentle on fish, preventing any injuries.

Do Not Float Away

Featuring a 304 stainless steel base, our air diffuser is heavy enough to stay in place and not float away. The high-quality stainless steel is rust-resistant, preventing secondary water pollution.

Enhance Higher Dissolved Oxygen

Crafted from non-toxic, harmless materials, our air diffuser is completely safe for all aquatic life, ensuring a healthy environment for your fish and plants.

Hanging Hook Kit

MTF600 Depth of water:0.5M-1.5M



Product Introduction
MOUNTAIN TREE

Accessory Series

The Hanging Hook Kit enhances your filtration system by reducing clogging and boosting filtration efficiency by up to **4x**. Easy to install and maintain, it features a top-mounted propeller that optimizes water flow through each bacteria house. For best results, use with a bottom **aeration device** to ensure proper circulation and fresh nutrients for nitrifying bacteria.

Why Choose Mountain Tree?

- 01. For Bacteria House L
- 02. Easy to assemble, install and clean
- 03. Different kits to suit different depths of the filtration chamber
- 04. EU RoHS standards test compliant & made with non-toxic material



A Game Changer of Bacteria House

Ensures better water flow through the filtration chamber, Preventing clogging. Making water contact the bacteria house from every angle boosts filtration effectiveness.

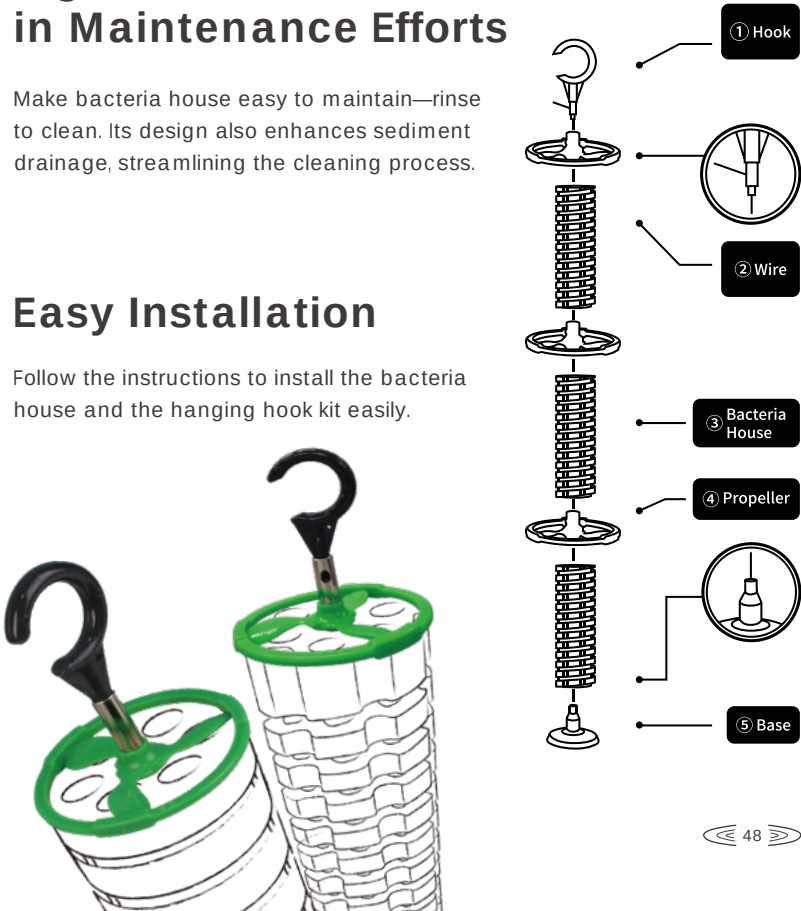


Significant Reduction in Maintenance Efforts

Make bacteria house easy to maintain—rinse to clean. Its design also enhances sediment drainage, streamlining the cleaning process.

Easy Installation

Follow the instructions to install the bacteria house and the hanging hook kit easily.



Filter Pad



MTF307 40x100x2CM

Filter Bag for Pump



MTF306 Dia 30×30CM

Product Introduction

MOUNTAIN TREE

Pad Series

The Filter Pad is made from polymer chemical fiber designed to intercept large particles in water, which is a durable, multifunctional filter that provides both physical and biochemical filtration, keeping water clear and healthy.

Why Choose Mountain Tree?

- 01. Dual filtration effects, better filtration effect
- 02. Breathable structure, good in water permeability, not easy to be clogged
- 03. Easy to cut and customize to your needs
- 04. EU RoHS standards test compliant & made with non-toxic material



Dual Filtration Effects

This filter pad physically intercepts large particles to keep water clear and also provides a certain surface area for beneficial bacteria cultivation, providing biochemical filtration.

High Water Permeability, Reduce Clogging Problem

The innovative 3D design improves hydrophobicity, reducing the risk of clogging and ensuring efficient water flow. This structure maximizes the surface area available for bacterial colonization, promoting a healthier aquatic environment.

Washable, Reusable, And Durable

Constructed from polymer chemical fiber, our 3D Filter Pad retains its elasticity and structural integrity even after multiple washes, ensuring long-term use without deformation or shedding.

Easy To Cut And Fit Any Size Filter

Easily cut the filter pad to your desired size, making it adaptable to various filtration systems and ensuring a perfect fit for your specific needs.

Product Introduction

MOUNTAIN TREE

Accessory Series

The Filter Bag for Pump is designed to protect your pump by blocking fine particles, preventing clogs, and reducing noise. Made from durable, washable polymer chemical fiber, it extends the pump's lifespan and is ideal for both fish ponds and aquariums.

Why Choose Mountain Tree?

- 01. Breathable structure with biological filtration
- 02. Durable and washable
- 03. Noise Reduction
- 04. EU RoHS standards test compliant & made with non-toxic material



Pump Protector And Shock Absorber

Blocks fine particles, preventing clogs and extending pump lifespan, absorbs shocks.

Noise Reduction

Reduces pump noise for a quieter environment

Durable And Reusable

Made from high-quality polymer chemical fiber, ensuring longevity. Easy to clean and reuse, providing cost-effective maintenance.

Versatile Applications

Ideal for both fish ponds and aquariums

Carbon Wool Pad

MTF305 300G/BOX



Product
Introduction
MOUNTAIN TREE

Pad Series

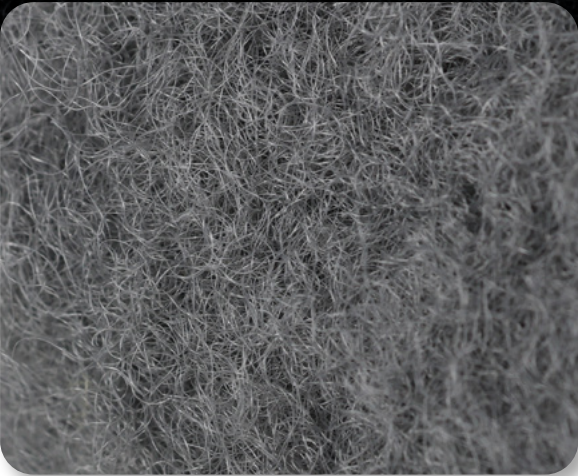
Physical Filtration and Chemical Absorption

The Carbon Wool Pad combines effective physical filtration with powerful chemical absorption, removing large particles and dissolved impurities for crystal-clear water.

The Carbon Wool Pad enhances water clarity by filtering large particles and absorbing impurities with activated carbon. It addresses the yellowing, cloudiness, and odors of your water and can be easily cut to fit any size filter. Suitable for both freshwater and saltwater tanks, it is recommended to replace the pad weekly for optimal absorption.

Why Choose Mountain Tree?

- 01. Physical filtration and chemical absorption
- 02. Easy to customize
- 03. Suitable for both freshwater and saltwater
- 04. EU RoHS standards test compliant & made with non-toxic material

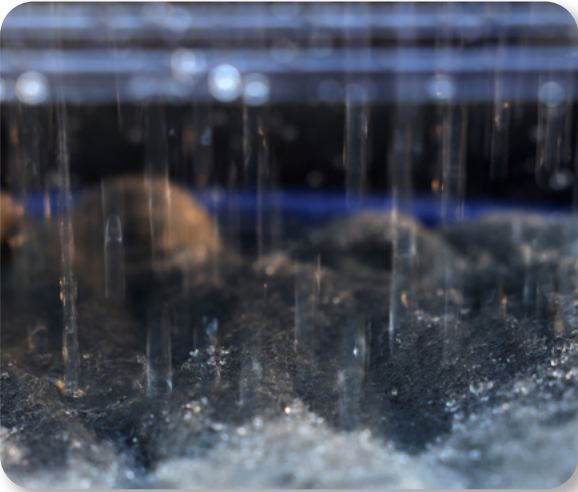


Slove 99% Water Problems

The activated carbon within the pad absorbs harmful substances such as heavy metals and medication residues, as well as dissolved organic compounds that cause yellowing and odors, ensuring a healthy aquatic environment.

Customizable and Easy to Use

The pad can be easily cut or torn to fit any size or shape filtrations, providing convenient and adaptable filtration solutions for all setups.

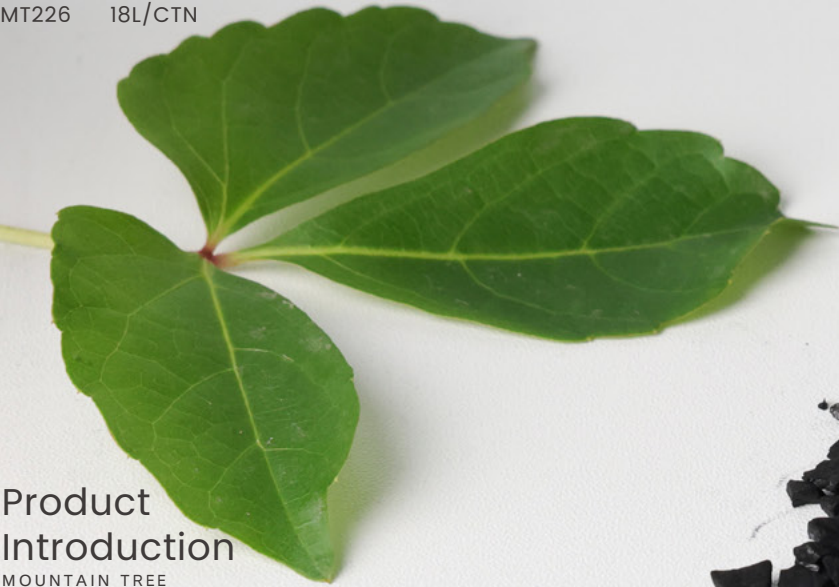


Versatile Applications

Suitable for both freshwater and saltwater aquariums, the Carbon Wool Pad is a reliable choice for maintaining clean and clear water in any type of tank.

Coconut Carbon

MT202 1L/BOX
MT226 18L/CTN



Product
Introduction
MOUNTAIN TREE

Accessory Series

Coconut Carbon is a high-performance filtration media designed for daily maintenance and emergencies. It effectively absorbs dissolved organic and metal ions, removes pigments and odors, and ensures clear water.

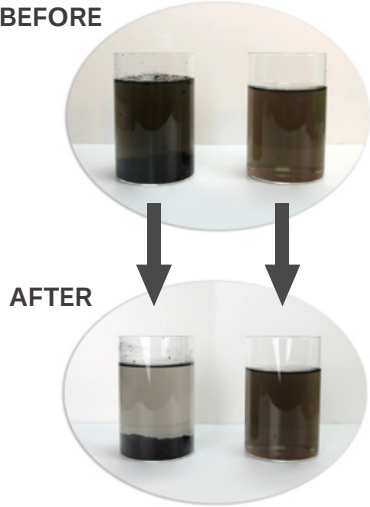
Why Choose Mountain Tree?

- 01. High adsorption capacity with an iodine value of 1000 mg / g
- 02. Removes pigments and odors
- 03. Reduce replacement & longer lifespan
- 04. Easy to clean and maintain with a mesh bag
- 05. EU RoHS standards test compliant & made with non-toxic material



Superior Adsorption

With a high iodine value of 1000 mg / g, Coconut Carbon offers exceptional adsorption of dissolved organic pollutants and metal ions. Efficiently removes pigments, cloudy and odors.



Long-Lasting Performance

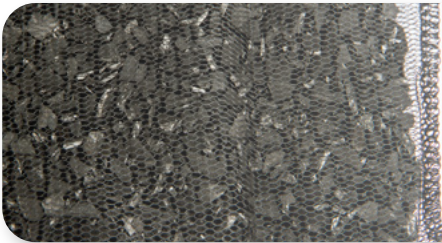
Its durable composition means a longer lifespan and less frequent replacements, making it a cost-effective solution for aquarium maintenance.

Water Stability

Help stabilize water conditions during water changes, reduces the need for chemical treatments, protecting fish from the harmful effects of frequent chemical use.

Easy Maintenance

Packaged in a mesh bag, Coconut Carbon is easy to clean and maintain, ensuring hassle-free operation



- 1. Rinse with aquarium water to remove any excess dust.
- 2. When used as filter media, replace every month. For emergency treatment, replace after 1-2 days of use.
- 3. Be sure to replace the carbon when it reaches adsorption capacity to avoid recontaminating the water.
- 4. Used carbon can be recycled as a planting medium for growing plants

Quiet Brush

MT122 Dia 3.6 x 50-70CM
MT118 Dia 2-2.5CM x 50-70CM



Product
Introduction
MOUNTAIN TREE

Brush Series

Superior Noise Reduction

Effectively eliminates noise, creating a quiet environment

The Quiet Brush eliminates noise in filters and pipes while providing physical filtration by blocking particles. Its cross-shaped filaments increase the surface area for nitrifying bacteria growth and provide a biochemical filtration effect.

Why Choose Mountain Tree?

- 01. Noise elimination
- 02. Provide dual filtration efficiency
- 03. 304 Stainless steel
- 04. Washable and reusable
- 05. Easy installation
- 06. EU RoHS standards test compliant & made with non-toxic material



Dual Filtration Effects

Provide two filtration functions by blocking particles and supporting beneficial bacteria growth.

Long-Lasting Durability

Made from high-quality 304 stainless steel, ensuring the brush withstands prolonged use and does not pollute the water.

Safety and Environmental Compliance

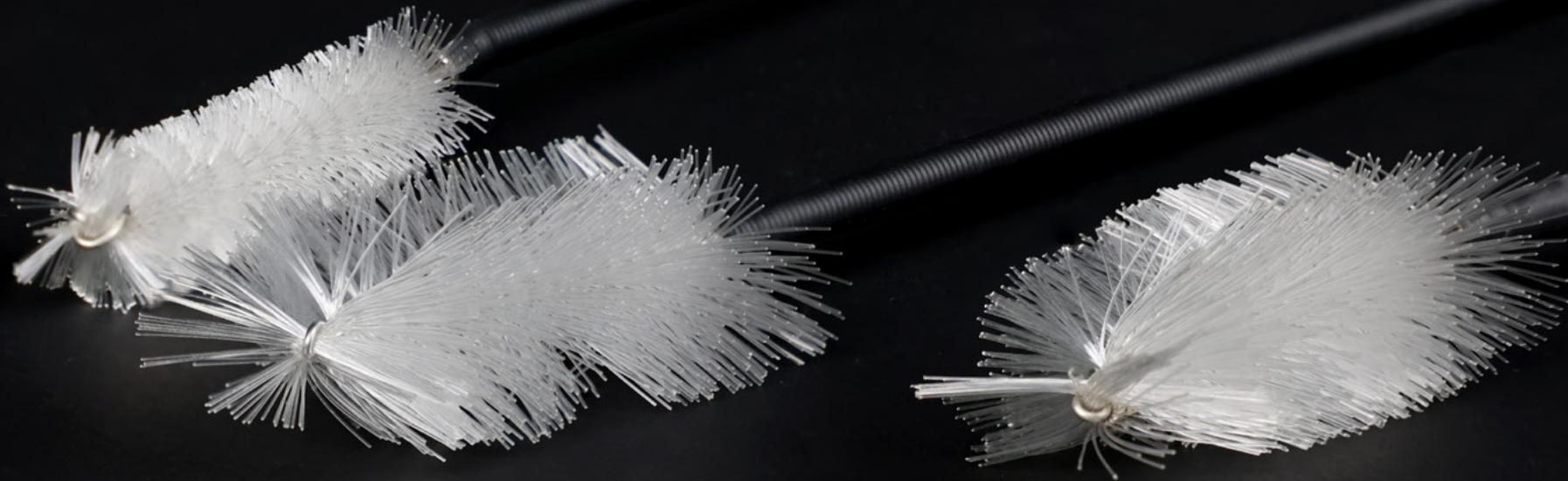
Certified by RoHS, guaranteeing the use of safe and environmentally friendly materials.

Cost-effective

Washable and reusable, offering a long-term, economical solution.

Cleaning Brush

MT119060 Dia 25MM x L 60CM
MT119150 Dia 25MM & 13MM



Product Introduction

MOUNTAIN TREE

Brush Series

Efficient Cleaning Effects

The polymer filaments efficiently remove dirt and debris, maintaining the cleanliness and health of your aquarium.

Cleaning Brush is specifically designed for cleaning the narrow and elongated tubing of filters and aquariums. Its ability to bend and adapt to various angles makes it perfect for cleaning complex tubing systems.

Why Choose Mountain Tree?

- 01. Eco-friendly materials
- 02. The PP plastic sleeve protects the spring
- 03. Bend easily and elastic
- 04. Available in 60cm and 150cm lengths
- 05. EU RoHS standards test compliant & made with non-toxic material



Reach Any Corner

It can bend and adapt to various angles, making it reach any corner of the tubing, perfect for cleaning complex tubing systems without hassle.

Durability and Enhanced Longevity

The PP plastic sleeve protects the spring, extending the brush's lifespan and preventing contamination buildup.

Safe and Eco-friendly

Made from non-toxic, sustainable materials, ensuring the safety of your aquatic life and reducing environmental impact.

Small Square Brush



MT105 6×5×5CM

Product Introduction

Brush Series

The **Small Square Brush** is designed to fit closely to the shape of the filter chamber or wet/dry separator box, maximizing space utilization and enhancing filtration efficiency. Its cross-shaped filaments effectively capture physical particles and provide a larger surface area for nitrifying bacteria to thrive.

The **Brush Ball** features a round shape designed to match the filter canister. It maximizes space utilization within the filter, enhancing filtration efficiency. The cross-shaped filaments effectively capture physical particles and provide a larger surface area for nitrifying bacteria to thrive.



Brush Ball



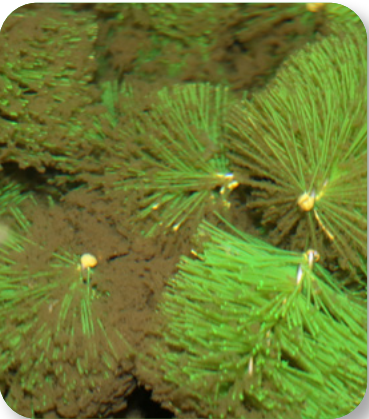
MT106 5×4CM
MT121 5×4CM

Maximized Space Utilization

The design, whether square or round, aligns perfectly with the filter chamber or canister filter, optimizing space usage and enhancing filtration efficiency.

Why Choose Mountain Tree?

- 01. Fit well to the square/round filter chambers, maximizing space usage
- 02. Dual filtration effects
- 03. Washable and reusable
- 04. EU RoHS standards test compliant & made with non-toxic material



Dual Filtration Effects

Cross-shaped filaments provide excellent physical particle filtration, and a larger surface area promotes the growth of beneficial nitrifying bacteria.



Durable and Cost-effective

The washable and reusable design offers long-term use and cost savings.



Safe and Eco-friendly

RoHS certified, ensuring the product is safe, non-toxic, and environmentally friendly.

Lotus Root Bacteria House Marine Version

MTFH205 Dia 4×16.5CM
MTFH207 Dia 8x25CM



Product
Introduction
MOUNTAIN TREE

Marine Water Series

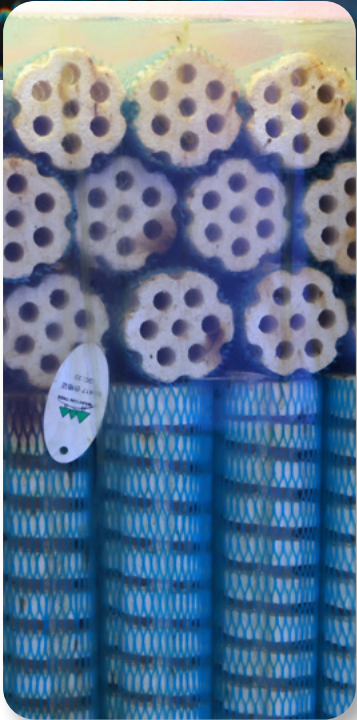
Friendly to Marine Life, Prevents Brown Algae

The low-silicate formula promotes coral and marine life health, ensuring a vibrant ecosystem. It combats brown algae, creating clearer waters and a thriving marine environment.

Designed exclusively for marine environments with a low silicate formula, our bacteria house provides larger surface areas to achieve premium filtration performance.

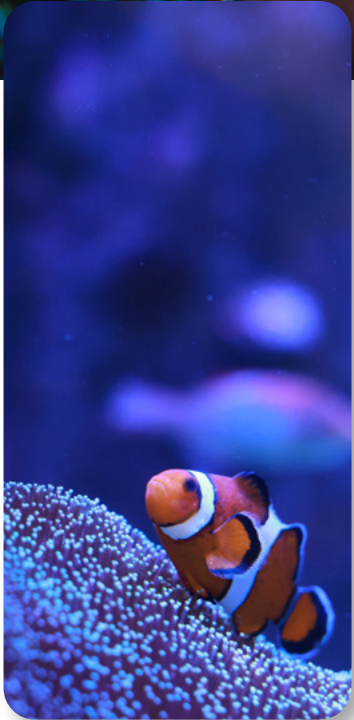
Why Choose Mountain Tree?

- 01. Tailored low-silicate formula is specifically designed for marine tanks to prevent algae blooms.
- 02. Patented structure ensures a powerful filtration
- 03. Features porous and rough surface, suitable for bacteria to thrive
- 04. EU RoHS standards test compliant & made with non-toxic material



Superior Filtration Efficiency

The innovative Lotus root spiral design maximizes surface area for beneficial bacteria growth, bringing powerful filtration effects.



Sustainability

By using bacteria house, you reduce reliance on non-renewable resources like live rock, promoting a more sustainable approach to marine filtration.



pH Neutrality

The neutral filter material does not alter the water's pH balance, maintaining a stable aquatic environment.

Lotus Root Nitro Ring Marine Version

MTFH202 1L/BOX
MTFH203 5L/BOX



Product
Introduction
MOUNTAIN TREE

Marine Water Series

Friendly to Marine Life, Prevents Brown Algae

The low-silicate formula promotes coral and marine life health, ensuring a vibrant ecosystem. It combats brown algae, creating clearer waters and a thriving marine environment.

Designed exclusively for saltwater aquariums with a low silicate formula, the Lotus Root Nitro Ring has a superior surface area to achieve a premium filtration performance.

Why Choose Mountain Tree?

- 01. Tailored low-silicate formula is specifically designed for marine tanks to prevent algae blooms
- 02. Patented structure ensures a powerful filtration
- 03. Fit to small and medium saltwater tanks to maximize the bio-filtration
- 04. EU RoHS standards test compliant & made with non-toxic material



Superior Bio-Filtration Efficiency

The Lotus Nitro Ring's innovative design amplifies the contact of bacteria, nitrite, and nitrate, maximizes surface area for beneficial bacteria growth, bringing powerful filtration effects.



Sustainability

By using bacteria house, you reduce reliance on non-renewable resources like live rock, promoting a more sustainable approach to marine filtration.



pH Neutrality

The neutral filter material does not alter the water's pH balance, maintaining a stable aquatic environment.

Nitro Ring

MT203 1L/BOX
MT229 5L/BOX



Product Introduction

MOUNTAIN TREE

Ceramic Ring Series

Excellent Filtration Efficiency

Oblique design prolongs water flow in the filtration area, improving efficiency by disrupting water flow and allowing beveled nitro rings to optimize space.

Mountain Tree Nitro Ring is a compact yet highly efficient biofilter media that offers an exceptional surface area for powerful filtration, especially in aquarium sumps or filters.

Why Choose Mountain Tree?

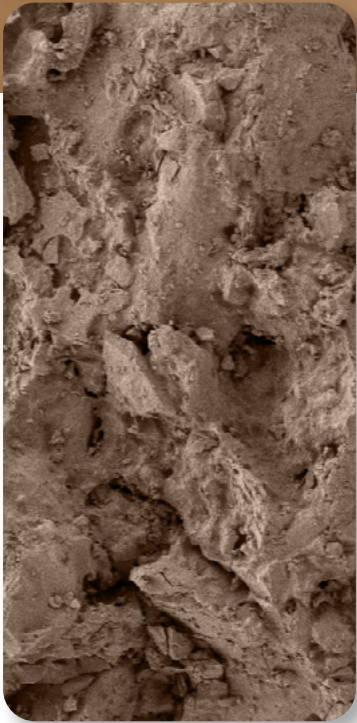
01.

Biofilter partner for aquarium
02.

A high water absorption rate ensures powerful filtration
03.

Plenty of pores are ideal for beneficial bacteria cultivation
04.

EU RoHS standards test compliant & made with non-toxic material



Boost to Establish a Nitrification System

The rough surface and abundant porosity create an ideal habitat for nitrobacteria attachment and growth, thus accelerating the establishment of a nitrification system.



Space-Saving Design Perfect for Your Aquarium Filters

Engineered for compact systems, this design maximizes filtration efficiency in limited spaces, ensuring optimal water quality in smaller setups.



Save Your Time for Maintenance

The stringing and bag packaging makes it easy to take out and rinse.

Lotus Root Nitro Ring

MTF209 1L/BOX
MTF210 5L/BOX



Product Introduction
MOUNTAIN TREE

Ceramic Ring Series

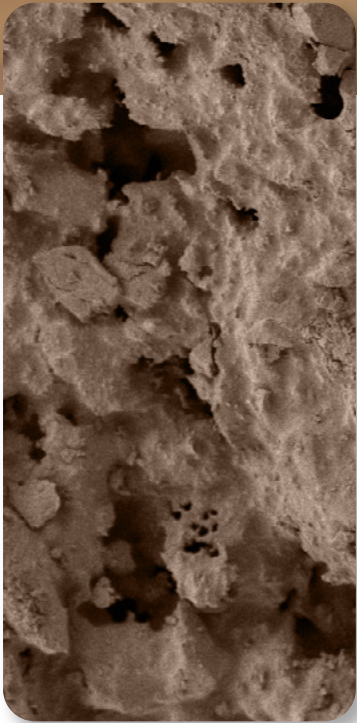
Excellent Filtration Efficiency

The enhanced Lotus root structure, combined with an innovative oblique design, provides five times the surface area compared to the Nitro Ring I, significantly boosting filtration efficiency.

The Mountain Tree Lotus Root Nitro Ring, an enhanced version of Nitro Ring I, features an upgraded Lotus Root Structure that maximizes surface area for bacteria cultivation, boosts filtration efficiency, and is perfect for canister and sump filters in your aquarium.

Why Choose Mountain Tree?

- 01. A small bacteria house for aquariums
- 02. The patented lotus root structure provides more surface areas
- 03. Surface area up to 5700m²/L
- 04. Add 14.67 times higher calcium & 4 times greater potassium
- 05. EU RoHS standards test compliant & made with non-toxic material



Boost to Build a Long-Term Stable Nitrification System

The Lotus Root Nitro Ring's rough surface and abundant porosity create an ideal habitat for beneficial bacteria attachment and growth, thus accelerating the establishment of a nitrification system.



Space-Saving Design Perfect for Your Aquarium Filters

Engineered for compact systems, this design maximizes filtration efficiency in limited spaces, ensuring optimal water quality in smaller setups.



Save Your Time for Maintenance

The stringing and bag packaging makes it easy to take out and rinse.

Mini Ring

MT225 1L/BOX
MT227 18L/BOX



Product
Introduction
MOUNTAIN TREE

Ceramic Ring Series



Mini But
High-Efficiency

The Mini Ring fits in any size filter, is ideal for small filters, and features a distinctive gear shape that does not block water flow, increasing the surface area for unparalleled filtration efficiency.

Designed for small filters like hanging-out filters, the Mini Ring bio-filter media offers powerful filtration in limited spaces, making it the ideal choice for enhancing water quality in compact aquarium setups.

Why Choose Mountain Tree?

- 01. Fingernail size especially for small-size filters
- 02. Particular gear shape provides more surface areas
- 03. Rich in minerals
- 04. EU RoHS standards test compliant & made with non-toxic material



Ideal for Fish Thrive

Added with growth-promoting minerals and pH-balancing capabilities, it is ideal for fish thriving.



Easy Maintenance

The mini ring is packed in several individual mesh bags for easier maintenance.

Maifan Ring

MT223 1L/BOX
MT230 5L/BOX



Product Introduction

MOUNTAIN TREE

Ceramic Ring Series



Rich in Minerals to Benefit Aquatic Life

Made of Maifan stone, rich in trace elements: K, Fe, Na, Ca, Mg, Zn, Cu, and other beneficial minerals for fish health.

Maifan Ring releases vital mineral elements to stimulate the growth and vitality of fish while purifying water. Often combined to use with Nitro Rings.

Why Choose Mountain Tree?

- 01. Rich in minerals, mineral supplies
- 02. Patented oblique section structure diverse water evenly
- 03. String and bag packed, easy to maintain
- 04. EU RoHS standards test compliant & made with non-toxic material



Maintains the Natural Balance of Water

Effectively balance the pH value and make your water in a good condition for fish to thrive.



Easy Maintenance

The stringing and bag packaging makes it easy to take out and rinse.

Performance Ranking



Lotus Root Nitro Ring II

Surface area ★ ★ ★ ★

Minerals ★ ★ ★

Filtration power ★ ★ ★ ★



Nitro Ring I

Surface area ★ ★ ★

Minerals ★ ★

Filtration power ★ ★ ★



Maifan Ring

Surface area ★

Minerals ★ ★ ★ ★

Filtration power ★ ★



Mini Ring

Surface area ★ ★

Minerals ★ ★

Filtration power ★ ★ ★

Your Solution

While individual products like Filter Brush, Filter Mat, and Bacteria House are designed to address specific, straightforward issues, they excel at enhancing water quality and maintaining the health of your aquatic environment.

However, for more complex or systemic challenges, our comprehensive solutions provide a more holistic approach. These integrated solutions combine advanced technologies and multiple components to ensure that all aspects of your aquatic ecosystem are meticulously managed, delivering optimal performance and peace of mind.



Eco Pond Filter



All-in-One Solution for Your Pond

Transform your fish pond into a crystal-clear oasis with the Eco Pond Filter. This cutting-edge solution provides a healthy and stable water environment, ensuring your fish thrive.

The Eco Pond Filter features five specialized filtration chambers, each designed to tackle different aspects of water purification:

01.

Interception and Decomposition: Removes large particles, ensuring the first line of defense.
02.

Further Physical Filtering: Intercepts smaller particles, bonding some maller particles while starting primary biochemical filtration
03.

Ammonia and Nitrite Breakdown: Effectively breaks down harmful compounds.
04.

Mineral and Trace Element Supplementation: Replenishes essential nutrients for fish health.
05.

Sterilization and Algae Control: Keeps your pond free from harmful bacteria and algae.

With a maximum water treatment ratio of 1:40, this system meets the needs of landscape fish ponds and comes with a 5-year warranty of the black housing.

Why choose the Eco Pond Filter?

01.

High-Quality Materials: Made from high-quality polyethylene materials, the system is safe, durable, eco-friendly, waterproof, and UV-resistant, perfect for outdoor use.
02.

Space-Saving Design: The compact box design and standardized, integrated accessories ensure easy installation and efficient use of space.
03.

Efficient Filtration: The five filtration chambers with high-quality filter media are strategically distributed to create a long-term stable nitrification system.
04.

Easy to customize for your needs: The system is movable, upgradeable, modifiable, and customizable to meet your specific needs.
05.

Reduce carbon footprint: Uses Mountain Tree standardized electrical components for high efficiency, low energy consumption, and low failure rates.

Experience unparalleled water clarity and health with the Eco Pond Filter. Reduce mosquito breeding and algae growth while providing a thriving environment for your fish and a beautiful pond scenery for yourself. Invest in the Eco Pond Filter today and enjoy the benefits of a well-maintained pond ecosystem.

A thriving environment for your fish and a beautiful pond scenery for yourself.

Item Number	L*W*H	For Pond Volume
MTF6-20	1500*500*750	≤20,000L
MTF6-40	1500*750*750	20,000-40,000L
MTF6-60	2000*750*750	40,000-60,000L

Water Monitoring System



Experience the latest generation of aquatic care with the Mountain Tree Water Monitoring System. Ensure your fish live in the healthiest environment possible with real-time monitoring and intelligent alerts.

The Mountain Tree Water Monitoring System provides comprehensive monitoring of **13** essential water parameters. With IOT connectivity, you can link all your intelligent devices, including automatic feeders, lighting, and temperature controllers... for seamless, one-touch control. Suitable for both freshwater and saltwater use, this system guarantees precision and reliability.

Comprehensive Monitoring:

Temperature	Dissolved Oxygen (DO)	Ammonium Ion (NH4+)	Nitrate (NO3-)
pH Levels	Dissolved Oxygen Percentage (DO%)	Nitrite (NO2-)	Salinity
Conductivity	Total Dissolved Solids (TDS)	Calcium Ion (Ca2+)	Water Hardness (CaCO3)
Ammonia (NH3)	Total Ammonia Nitrogen		

Why choose the Water Monitoring System?

- 01. Real-Time Data Access:** View real-time and historical data anytime through our web and mobile platforms.
- 02. Automatic Alerts:** Get notified instantly if any parameter exceeds the preset range, preventing fish illness or death.
- 03. 24/7 Monitoring:** Continuous online readings with industrial-grade sensors for long-lasting, accurate, and stable measurements.
- 04. Easy Installation:** Plug - and - play design for immediate use.
- 05. IP68 Waterproof Rating:** Fully submersible for reliable operation in any environment.
- 06. Automatic Cleaning:** Equipped with an electric cleaning brush to maintain sensor accuracy.
- 07. Data Export:** Easily export data for specific time periods for in-depth analysis.
- 08. Further IoT Integration:** Control all your smart devices with one touch for a fully integrated aquatic ecosystem.
- 09. Proven Track Record:** With five years of stable operation, our system is a trusted solution for aquaculture professionals.

Upgrade your aquaculture management with the Mountain Tree Water Monitoring System. Protect your aqua friends and optimize their environment with the cutting-edge technology.

SNG Ecosystem

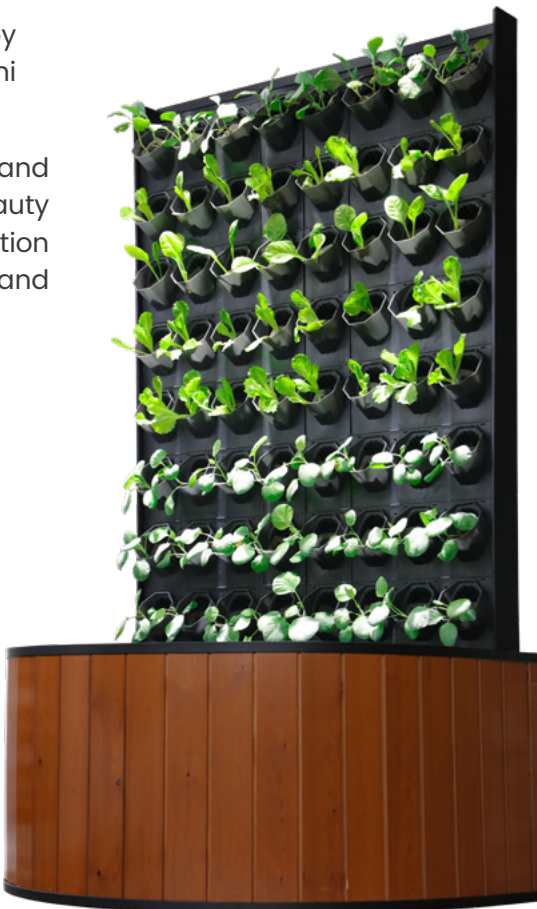


Welcome to the future of aquaponics with the SNG Ecosystem by Mountain Tree. Make your living space a vibrant, self-sustaining mini ecosystem where fish and plants thrive together effortlessly.

The SNG Ecosystem harmonizes the nurturing of fish and plants and reduces the need for water changes, bringing the tranquility and beauty of nature right into your home. It's an innovative, all-in-one solution designed to foster interaction, enhance collective knowledge, and promote shared growth and learning among family and friends.

Why Need An Aquaponic Ecosystem?

- 01. Effortless Care:**
A complete mini ecosystem where plants and fish nourish each other, significantly reducing maintenance time.
Features a timer function to adjust watering for different plants, ensuring a hassle-free experience.
- 02. Stress Relief & Healing:**
The calming presence of fish and plants helps ease anxiety.
Enhances your environment's air quality and visual appeal.
- 03. Educational Value:**
Sparks curiosity and learning about fish and plant care, bringing you closer to nature.
Substantial educational value for all ages.



SNGE-6 SNGE-12 SNGE-36 SNGE-48 SNGE-72

Why need a SNG Ecosystem?

Imagine a low-maintenance, eco-friendly system that enhances your space while providing a natural balance between fish and plants. The SNG Ecosystem offers:

- 01. Easy Installation:**
Simple setup with user-friendly instructions, so you can enjoy your aquaponic system right away.
- 02. Safe & Eco-Friendly Materials:**
Made from 3C-certified, non-toxic, and environmentally friendly materials.
- 03. Versatile Use:**
Perfect for garden stores, pet shops, homes, offices, schools, hospitals, and cafes.

With the SNG Ecosystem, you can effortlessly enjoy the benefits of an aquaponic system, ensuring a harmonious and symbiotic relationship among plants, fish, and people.

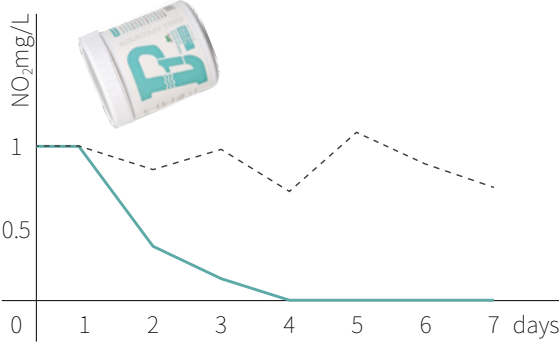
Elevate your living space with the SNG Ecosystem by Mountain Tree. With minimal effort, you can create a soothing, educational, and visually appealing environment.

Get closer to nature. We are on the way!

Mountain Tree Water Care Series



Premium water optimizer is rich in beneficial bacteria and nutrients, effectively **degrading ammonia and nitrites** in ponds, which prevents fish from ammonia and nitrite poisoning.



Premium Water Optimizer

- 01. Effectively degrade ammonia and nitrite with **4 billion unit of beneficial bacteria**
- 02. **48 Hours rapid nitrification system establishment**
- 03. Long-term, stable water balance
- 04. RoHS certified



Beneficial algae booster contains adhesive beneficial algae, minerals, and trace elements. It specifically **cultivates beneficial algae**, allowing them to quickly proliferate and dominate. By competitively inhibiting harmful algae, it achieves long-term algae control.

Beneficial Algae Booster

- 01. Targeted cultivation of beneficial adhesive algae
- 02. Rich in minerals, purifies water, promotes fish health
- 03. Versatile and easy to use
- 04. RoHS certified



Filamentous algae remover is a composite algae regulator designed specifically for koi ponds. It effectively **removes filamentous algae**, enhancing water clarity.

Filamentous Algae Remover

- 01. Prevents algae nutrient absorption, minimizes recurrence
- 02. Contains anti-protozoan plant ingredients, reduces fish parasites
- 03. Dual-purpose: preventive and therapeutic
- 04. Eu RoHS certified & non-toxic materials

Mountain Tree Water Care Series



Detoxifying acid effectively **neutralizes algal toxins** produced by mass algae die-offs and degrades heavy metals. This product is high in carbon source, minimally irritating to fish, and leaves no residue or pollution.

Detoxifying Acid

- 01. Triple detoxification effect to remove heavy metals effectively and quickly.
- 02. Reduces ammonia and nitrite levels
- 03. Rich in carbon sources, removing odors and improving water clarity.
- 04. EU RoHS certified & non-toxic materials



Eco aquabalancer effectively **addresses pH imbalances** in water, quickly stabilizing and maintaining pH levels between 7 and 8 for optimal aquatic life. Rich in minerals, it enhances water defenses, boosts microbial activity, and improves water clarity.

Eco pH Buffer

- 01. PH stabilizing formula for optimal fish environment
- 02. Balances water mineral structure, enhances water resilience
- 03. Six applications solve 99% of pH drop issues, efficient and time-saving
- 04. RoHS certified, free from chemicals, safe and eco-friendly

The Water Care Series products are designed to work in synergy for optimal results.

- 01. Before using any product, test the water parameters.
- 02. If ammonia and nitrite levels are high, start with premium water optimizer to bring them down.
- 03. If you're dealing with filamentous algae boom, apply filamentous algae remover after stabilizing ammonia and nitrite levels.
- 04. Follow up with detoxifying acid to neutralize algal toxins.
- 05. After algae treatment, use beneficial algae booster to introduce quality algae to your pond.
- 06. If you have pH problems, gradually add eco aquabalancer in small doses to restore and stabilize pH levels.



01. Premium Water Optimizer
(Break Down Ammonia and Nitrite)



02. Filamentous Algae Remover
(Remove Filamentous Algae)



03. Detoxifying Acid
(Neutralize Algal Toxins)



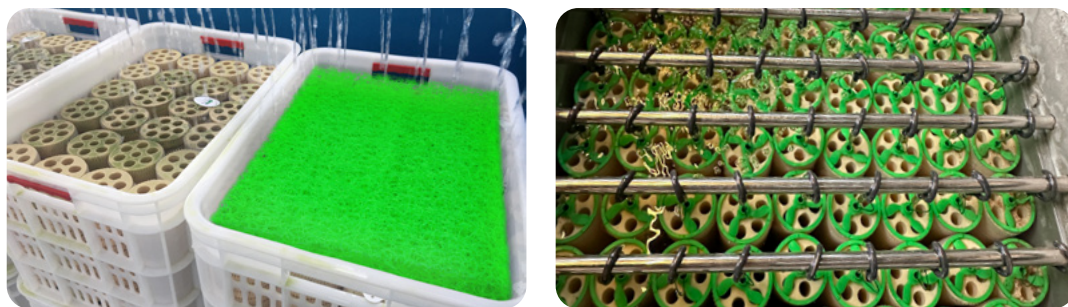
04. Eco AquaBalancer
(Rebuild Ecosystem)

Answers to Frequently Asked Questions

Q Which is more efficient for using Bacteria House: Bakki Shower or Overflow Filter?

A Using Bacteria House in a Bakki Shower is more efficient. The Bakki Shower allows water to come into contact with oxygen more thoroughly, promoting nitrification. The setup of the Bakki Shower ensures water flows from top to bottom through the Bacteria House, and then back to the pond, reducing the likelihood of clogging.

However, when using Bacteria House in a Bakki Shower, always place a mat or pad above Bacteria House to prevent direct water flow from breaking the ceramic filter media. If possible, place the Bacteria House vertically to allow better water flow through it.



Q How do Bio Balls and Bacteria House work?

A **Bio Ball:** Bio balls are usually used in moving bed filters; water flows from the bottom, pushing the balls into a suspended state for maximum contact with the water, promoting bacteria growth. Bio Balls are usually plastic with limited surface area and no internal pores for nitrifying bacteria, resulting in limited bacteria growth efficiency.

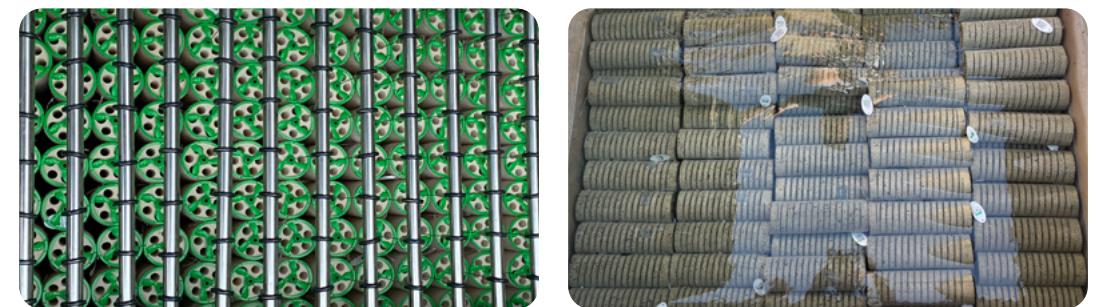
Bacteria House: Bacteria House can be used in various filtration systems, such as Bakki Shower, overflow filters, and sump filters. Its microporous structure provides a large surface area enriched with minerals beneficial to fish health. The mineral micropores create Van der Waals forces and actively adsorb nitrifying bacteria, enhancing beneficial bacteria growth efficiency.



Q What are the benefits of installing Bacteria House in a Hanging up way?

A Using the Mountain Tree Hanging Hook Kit to set up Bacteria House improves filtration efficiency by ensuring water flows through it evenly, increasing filtration efficiency by at least four times. The spiral structure of the propeller at the top guides water into the Bacteria House from the first one to the last one. This setup leaves a 20cm space at the bottom for sediment, making it easier to discharge waste and preventing filter chamber clogging. The hang-up setup also simplifies cleaning and maintenance.

Don't forget to add an air disc at the bottom of the filter chamber to enhance water circulation and bring new nutrients for nitrifying bacteria.



Q Will cleaning the filter media disrupt the nitrification system?

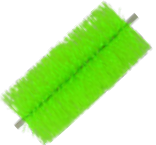
A Proper cleaning of filter media will not disrupt the nitrification system.

Physical filter media like Filter Brushe and Filter Mat can be rinsed with jetting mode to remove dirt on the surface. This process only removes large particles and food residues, with minimal impact on nitrifying bacteria, as they primarily reside in the biological filter chamber.

When cleaning biochemical media such as Bacteria House, use tap water or pond water to gently rinse off surface debris. Avoid high-pressure washing, which can shorten the lifespan of ceramic products. Regular cleaning removes metabolic waste and dead nitrifying bacteria, allowing new bacteria to attach and thrive, improving biological filtration efficiency. If concerned about removing some nitrifying bacteria, supplement with beneficial bacteria supplement products like Mountain Tree Premium Water Optimizer.

Q Should the mesh protector of the Bacteria House be removed before use?

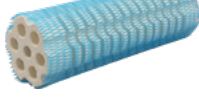
A No, the mesh protector is designed to prevent the ceramic products from becoming fragile due to prolonged water immersion, extending its lifespan. The protector and Mountain Tree label are made from non-toxic, harmless materials that won't release harmful substances into the water, ensuring fish health. The materials are EU RoHS certified, so you can use them with peace mind.

Item Name	Picture	Item No.	Size&Packing	Package Size	Application
Star Filter Brush		MTA124040	40CM+8CM 100PCS/CTN	52x52x98CM	Fresh water
		MTA124050	50CM+8CM 50PCS/CTN	52x52x78CM	Fresh water
Star Filter Brush for Aquarium		MT107	Dia 7.5x L 16CM 10PCS/BOX 24BOXES/CTN	57x56x60CM	Fresh water
		MT108	Dia 7.5x L 16CM 40PCS/BOX 8BOXES/CTN	77x71x40CM	Fresh water
		MT109	Dia 12x L 30CM 8PCS/BOX 8BOXES/CTN	76x40x71CM	Fresh water
		MT110	Dia 12x L 30CM 24PCS/BOX 4BOXES/CTN	59x57x78CM	Fresh water
Square Brush Ball for Wet-Dry Filter		MT105	6×5×5CM 18PCS/CTN 54BOXES/CTN	52x52x58CM	Fresh water
Round Brush Ball for Wet-Dry Filter		MT106	Dia 5×4CM 2000PCS/CTN	52x52x45CM	Fresh water
		MT121	Dia 5×4CM 500PCS/BOX 8BOXES/CTN	73x50x81CM	Fresh water
Quiet Brush for Aquarium Inlet Pipe		MT122050	Dia 3.6x50CM 3PCS/BAG 85BAGS/CTN	52x52x58CM	Fresh water
		MT122060	Dia 3.6x60CM 3PCS/BAG 85BAGS/CTN	52x52x68CM	Fresh water
		MT122070	Dia 3.6x70CM 3PCS/BAG 85BAGS/CTN	52x52x78CM	Fresh water
		MT118050	Dia 2-2.5CMx50CM 5PCS/BAG 100BAGS/CTN	52x52x58CM	Fresh water
		MT118060	Dia 2-2.5CMx60CM 5PCS/BAG 100BAGS/CTN	52x52x68CM	Fresh water
		MT118070	Dia 2-2.5CMx70CM 5PCS/BAG 100BAGS/CTN	52x52x78CM	Fresh water
Spawning Brush		MTF100100	Dia 15x100CM BULK PACKAGE 100PCS/CTN	25x25x120CM	Fresh water
		MTF100150	Dia 15x150CM 2PCS/BOX 40BOXES/CTN	52x52x58CM	Fresh water
Cleaning Brush with one end brush		MT119060	Dia 25MM x L 60CM 1PC/BAG 100BAGS/CTN	79x24x20CM	Fresh water

Item Name	Picture	Item No.	Size&Packing	Package Size	Application
Cleaning Brush with double ends brushes		MT119150	Dia 25MM &13MM L150CM, 1PC/BAG 100BAGS/CTN	88x24x20CM	Fresh water
Spiral Bacteria House I		MT217	Dia 4x16.5CM 60PCS/CTN	50x30x20CM	Fresh water
Lotus Root Bacteria House II		MTF218	Dia 8x25CM 15PCS/CTN	43x26x27CM	Fresh water
		MTF207	Dia 4x16.5CM 24PCS/BOX 4BOXES/CTN	43x32x39CM	Fresh water
Lotus Root Bacteria House III		MTF219	Dia 8x25CM 12PCS/CTN	35x26x28CM	Fresh water
		MTF217	Dia 4x16.5CM 24PCS/BOX 4BOXES/CTN	43x32x39CM	Fresh water
		MTFH205	Dia 4×16.5CM 24PCS/BOX 4BOXES/CTN	43x32x39CM	Saltwater
		MTFH207	Dia 8x25CM 1PC/BOX 12BOXES/CTN	35x26x28CM	Saltwater
Nitro Ring I		MT203	16x13MM 1L/BOX 12BOXES/CTN	33x28x23CM	Fresh water
		MT229	16x13MM 5L/BOX 4BOXES/CTN	40x27x24CM	Fresh water
Lotus Root Nitro Ring II		MTF209	18x15MM 1L/BOX 12BOXES/CTN	33x28x23CM	Fresh water
		MTF210	20x28MM 5L/BOX 4BOXES/CTN	40x27x24CM	Fresh water
		MTFH202	18x15MM 1L/BOX 12BOXES/CTN	33x28x23CM	Saltwater
		MTFH203	20x28MM 5L/BOX 4BOXES/CTN	40x27x24CM	Saltwater
Mini Ring		MT225	5x8MM 1L/BOX 12BOXES/CTN	33x28x23CM	Fresh water
		MT227	5x8MM 18L/BOX	30x30x20CM	Fresh water
Maifan Ring		MT223	16x13MM 1L/BOX 12BOXES/CTN	33x28x23CM	Fresh water
		MT230	16x13MM 5L/BOX 4BOXES/CTN	40x27x24CM	Fresh water
Coconut Carbon		MT202	Particles 1L/BOX 12BOXES/CTN	33x28x23CM	Fresh water
		MT226	Particles 18L/CTN	30x30x20CM	Fresh water

Item Name	Picture	Item No.	Size&Packing	Package Size	Application
Spiral Filter Mat Green		MTF302	33x33x4CM 23PCS/BAG	85x53x49CM	Fresh water
		MTF303	200x100x4CM 5PCS/BAG	204x104x22CM	Fresh water
		MTF308	100x120x4CM 5PCS/BAG	204x104x22CM	Fresh water
Carbon Wool Pad		MTF305	300Grams/BOX 12BOXES/CTN	83x54x51CM	Fresh water&Saltwater
Filter Pad		MTF307	40x100x2CM 1PC/BOX 12BOXES/CTN	80x41x51CM	Fresh water&Saltwater
Filter Bag for Pump		MTF306	Dia 30×30CM 1PC/BOX 12BOXES/CTN	70x54x71CM	Fresh water&Saltwater
Skimmer		MTF601	Grey Dia 50MM - 2inch 1PC/BOX 24BOXES/CTN	44x23x21CM	Fresh water
		MTF602	Grey Dia 75MM - 3inch 1PC/BOX 24BOXES/CTN	50x26x45CM	Fresh water
		MTF603	Grey Dia 110MM - 4.3inch 1PC/BOX 12BOXES/CTN	49x33x37CM	Fresh water
		MTF609	Green Dia 110MM Plus - 4.3inch 1PC/BOX 12BOXES/CTN	64x43x48CM	Fresh water
Air Diffusor		MTF604	Dia 30CM 1PC/BOX 10 BOXES/CTN	73x40x37CM	Fresh water
		MTF605	Dia 50CM 1PC/BOX 10 BOXES/CTN	78x57x58CM	Fresh water
Hanging Hook Kit for Bacteria House(L)		MTF600-2	For 2pcs Bacteria House(L) Depth of water:0.5m 24BAGS/CTN	33x31x17CM	Fresh water
		MTF600-3	For 3pcs Bacteria House(L) Depth of water:0.75m 24BAGS/CTN	33x31x18.5CM	Fresh water
		MTF600-4	For 4pcs Bacteria House(L) Depth of water:1m 24BAGS/CTN	33x31x21CM	Fresh water
		MTF600-5	For 5pcs Bacteria House(L) Depth of water:1.25m 24BAGS/CTN	33x31x21.5CM	Fresh water
		MTF600-6	For 6pcs Bacteria House(L) Depth of water:1.5m 24BAGS/CTN	33x31x23CM	Fresh water
UV Sterilizer		MTUV15	L 38CM 1PC/BOX 6BOXES/CTN 220V 50~60Hz 15W	48x42x34CM	Fresh water&Saltwater
		MTUV20	L 62CM 1PC/BOX 6BOXES/CTN 220V 50~60Hz 20W	89x42x42CM	Fresh water
		MTUV40	L 91CM 1PC/BOX 6BOXES/CTN 220V 50~60Hz 40W	114x42x42CM	Fresh water

Technical Data

Item	Item No.:	Photo	Surface Area (m ² /pc)	Surface Area (m ² /L)	Open Porosity(%)	Absorption rate(%)	PH	TDS (ppm)	P04 (ppm)	KH
Spiral Bacteria House I	MT217		500	2488	52.1	55-60	7.2	10-15	0	2
Lotus Root Spiral Bacteria House II (S)	MTF207		1130	5623	70.5	60-80	7.2	20-30	0	3
Lotus Root Spiral Bacteria House III (S)	MTF217		1330	6618	71.29	63-80	6.8-7.2	25-30	0	1
Lotus Root Spiral Bacteria House II (L)	MTF218		5404	4303	70.5	60-80	7.2	20-30	0	1
Lotus Root Spiral Bacteria House III (L)	MTF219		6650	5292	71.29	63-80	6.8-7.2	25-30	0	1
Lotus Root Spiral Bacteria House III (S) Marine	MTFH205		1330	6618	71.36	65-80	8.0-8.4	30-35	0	3
Lotus Root Spiral Bacteria House III (L) Marine	MTFH207		6650	5292	71.36	65-80	8.0-8.4	30-35	0	3
Lotus Root Nitro Ring II	MTF209 MTF210 MTF211		NA	5700	70.2	60-75	7.2	15-25	0	3
Lotus Root Nitro Ring II Marine	MTFH202 MTFH203		NA	5580	70.2	60-75	8.0-8.4	20-30	0	2
Nitro Ring I	MT203 MT229		NA	1150	~60.5	45-60	7.2	10-15	0	1
Maifan Ring	MT223 MT230		NA	500	~45.2	45-60	7.2	20-35	1	2
Mini Ring	MT225 MT227		NA	1050	~58	45-60	7.0-7.5	10-15	0	1

THE END

Mountain Tree, our love for fish flows in every single drop of water,
As the water touches every inch of the fish's skin,
as if our love is merging into their very being.
With love, they flourish, healthy and free,
With love, there's always **Mountain Tree**.

For every fish lover, in our hearts,
we find Mountain Tree, forever intertwined.

But now, our words must pause here,
for we have to back to create love and
share with the world!



We hope that you, a fish lover, will finally find your sanctuary.

Scan to join Mountain Tree Facebook group and
become a part of our community.