



**Water, Your Life, Your Soul, Our Mission!**



**Natural-Eco Pond Filter & Product Catalog**



## Water, Your Life, Your Soul, Our Mission !

Guangzhou Lijing Co., Ltd, one of the top ten innovative companies, and Mountain Tree is one of the most popular brands in China aquatic industry. With 10 years of experience in water filtration, our products have been exported to more than 40 countries in North America, Europe, Australia and Asia.





## Products

- ▶ The quality and specialties of our products support agents to develop their businesses faster and become more stable.
- ▶ R&D ability.
- ▶ EU RoHS, CE, UL standard passed
- ▶ Patent certificates
- ▶ Reasonable price
- ▶ Fast delivery

## Service

- ▶ Honest and Professional Before and After-sale service
- ▶ Technical support
- ▶ Cooperative promotion activities
- ▶ OEM service
- ▶ Design and shop image solutions





## China Patent Certificates International Patent and Trademark Certificates:



Europe Patent Certificate for  
Mountain Tree Skimmer

Europe Patent Certificate for Mountain  
Tree Lotus Root Bacteria House

Trademark Register  
Certificate in the US





## Natural-Eco Pond Filter



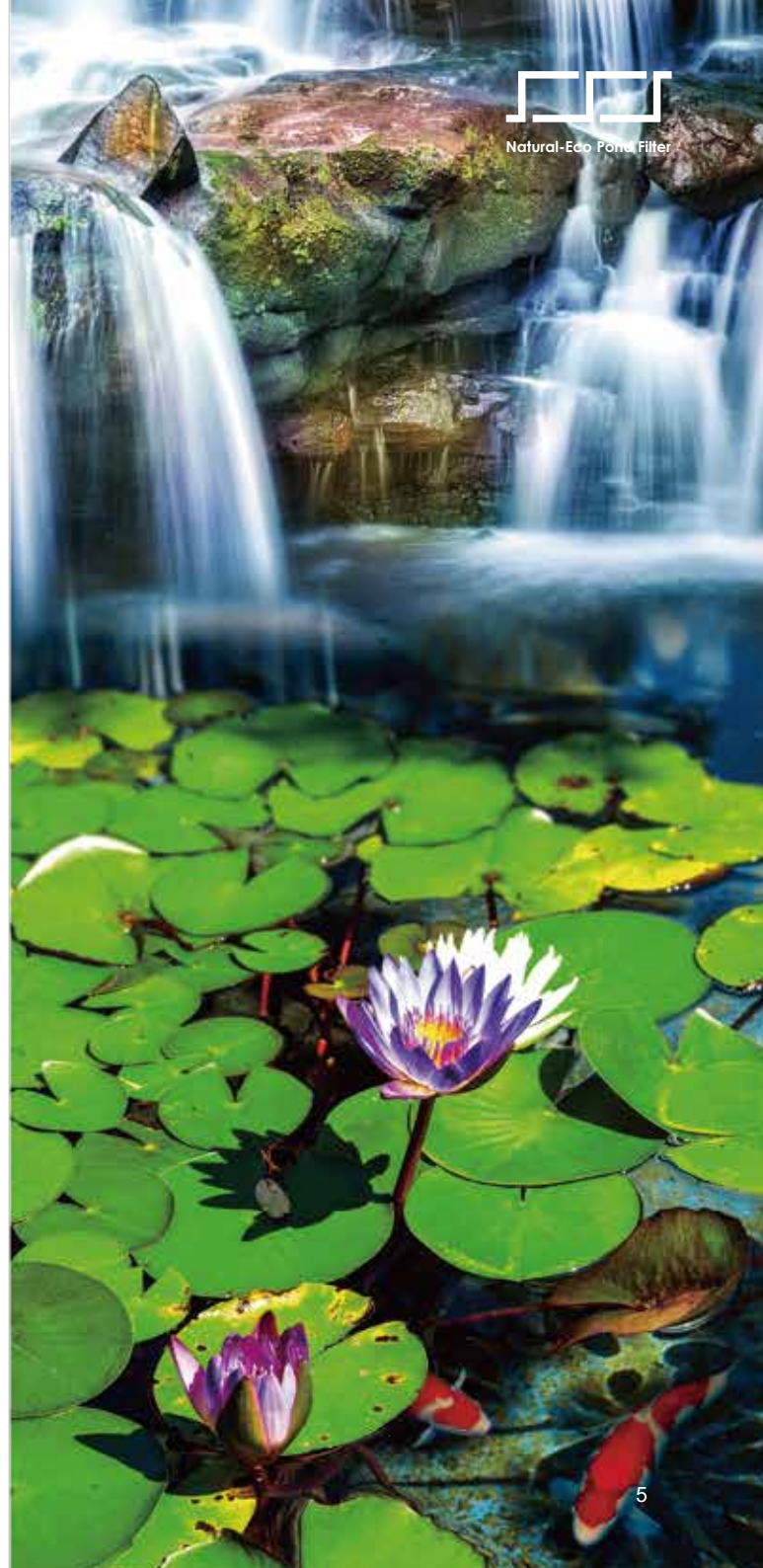
## ***An ecological dream garden full of clean, purified water***

### ***Environmental toxins lead to pollution in nature.***

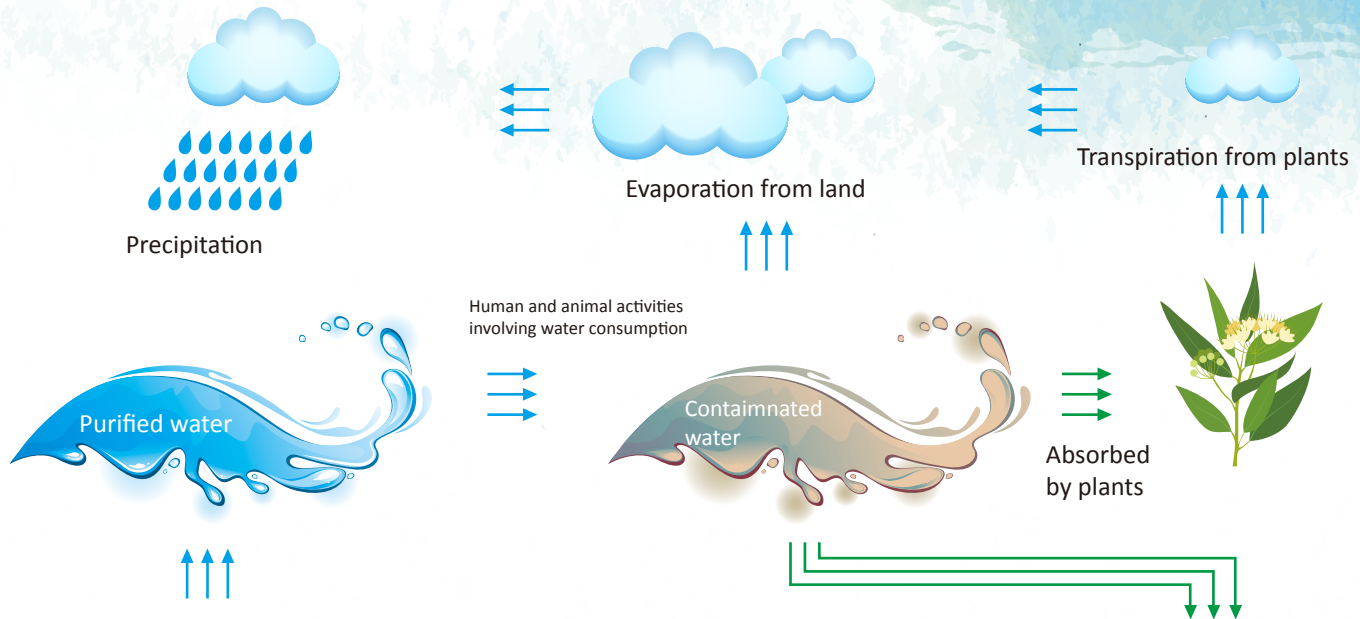
*A very prominent feature of organic pollution is observed in the process of microbial degradation. Slightly soluble bits of organic matter are trapped in rivers, wetlands and subterranean fluidized beds and retained by microorganisms during the filtration process. Resulting soluble organic substances are removed by the degradation process. This is the result of an autonomous natural movement mechanism of the natural Ecosystem that is not controlled by humans.*

### ***Here, the optimally coordinated Mountain Tree filtration system comes into play.***

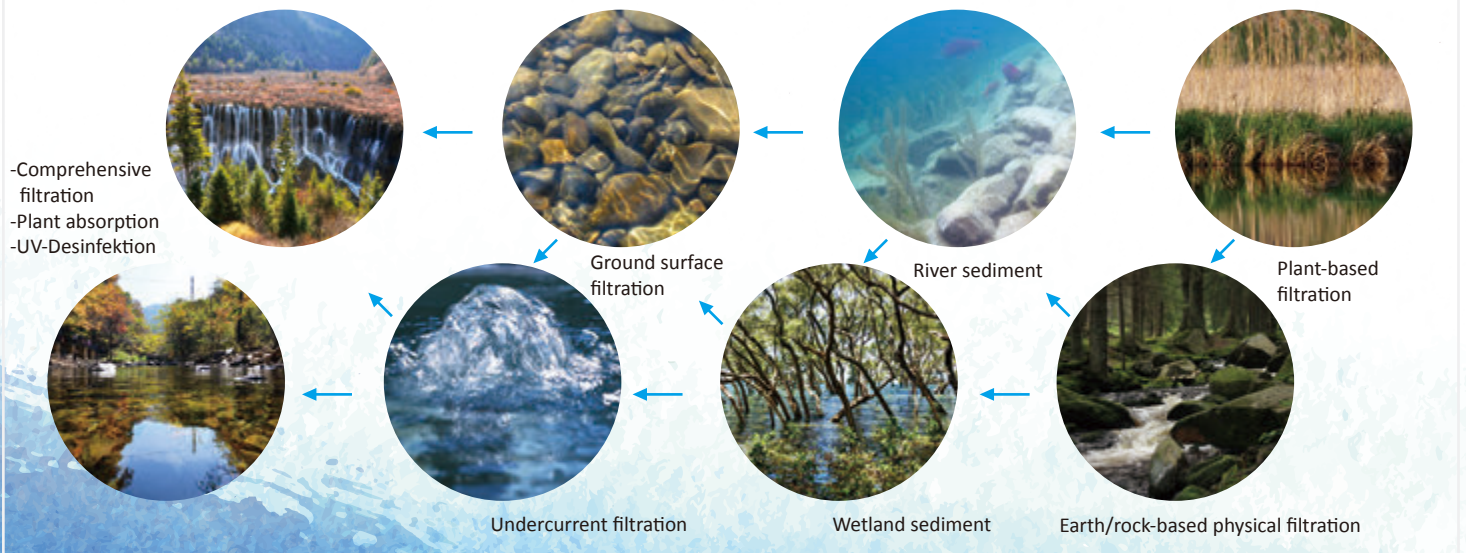
*The Mountain Tree Nature-Eco Pond Filter system combines the ecological principles of dynamics, biology and bionics with modeled those of ecological filtering. It uses high performance PE material and electrification accessory products in a well managed system, along with high quality Mountain Tree filter media, to allow for complete natural filtration and purification of water. The water is purified as a result of various natural, physical, chemical and biological reaction processes. Efficient purification of polluted water is made possible by the processes of matrix filtration, plant absorptions, CO-precipitations, ion exchanges, microbial enrichment, pollutant degradations and other organic methods.*



## How is water purified in nature?



Natural water cycling purification system

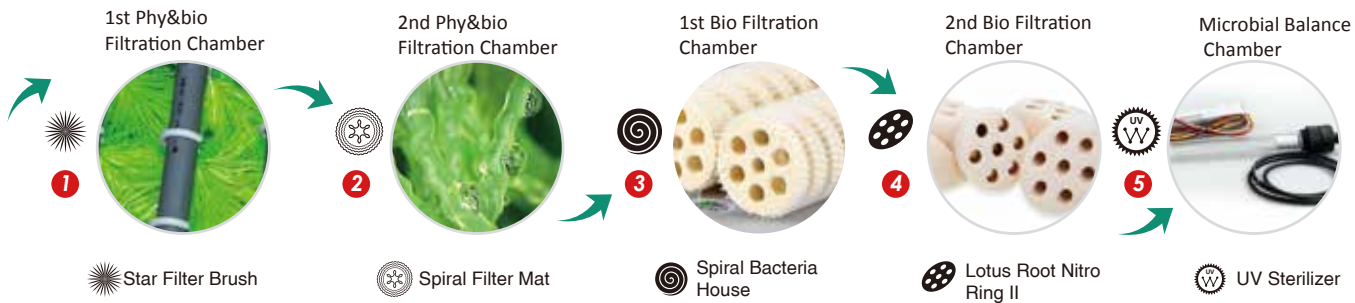
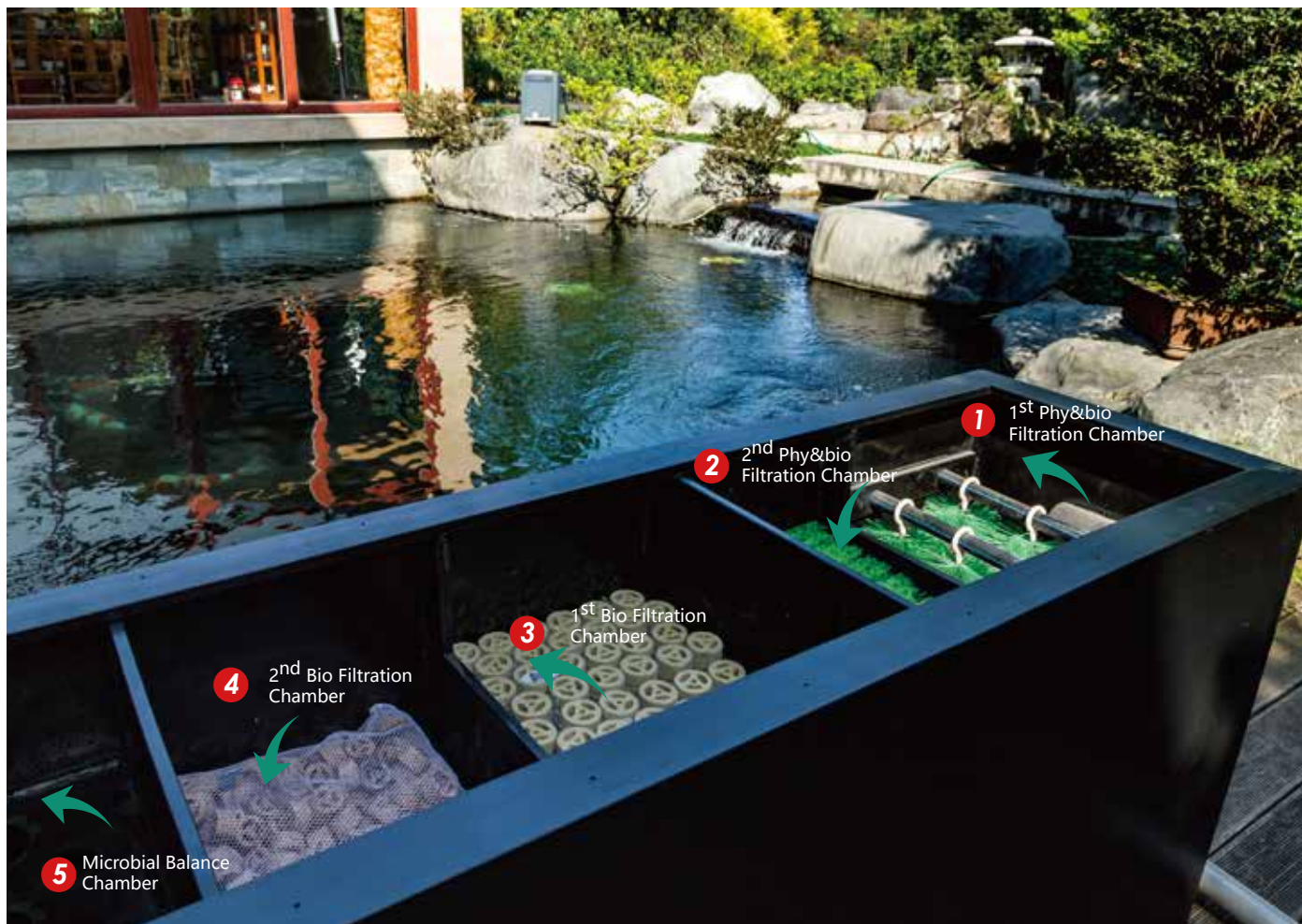






Natural-Eco Pond Filter







## Features:

1. Made out of high quality polyethylene materials, which are durable, environmental friendly, UV-resistant, and impact-resistant, and compliant with international standards.
2. Maximum filter capacity (reach up to 1:40), suitable for maintaining clean, purified water in large areas, such as outdoor pools or garden ponds.
3. Customizable UVC parts and accompanying standardized accessories allow for individuals to assemble according to their own unique spacing requirements.
4. Assembled by Mountain Tree Filter Media to ensure scientifically-proven, high-efficiency performance in physical and biological filtration processes.
5. Comprised primarily of flexible plastic material to allow for easy portability and hassle-free upgrades or repairs at any time.
6. Standardized accessories that allow users to quickly transition to high capacity systems, while optimizing energy efficiency and maintaining a low breakdown rate warranty.

## Functions:

1. Purify pond water and maintain cleanliness for long periods of time.
2. Remove smells and maintain a fresh environment.
3. Eliminate products of harmful insects
4. Prevent rapid growth of algae and avoid green hues in the water.
5. Promote the functions of existing plants in the area to encourage harmonic growth of the pond's natural ecosystem.



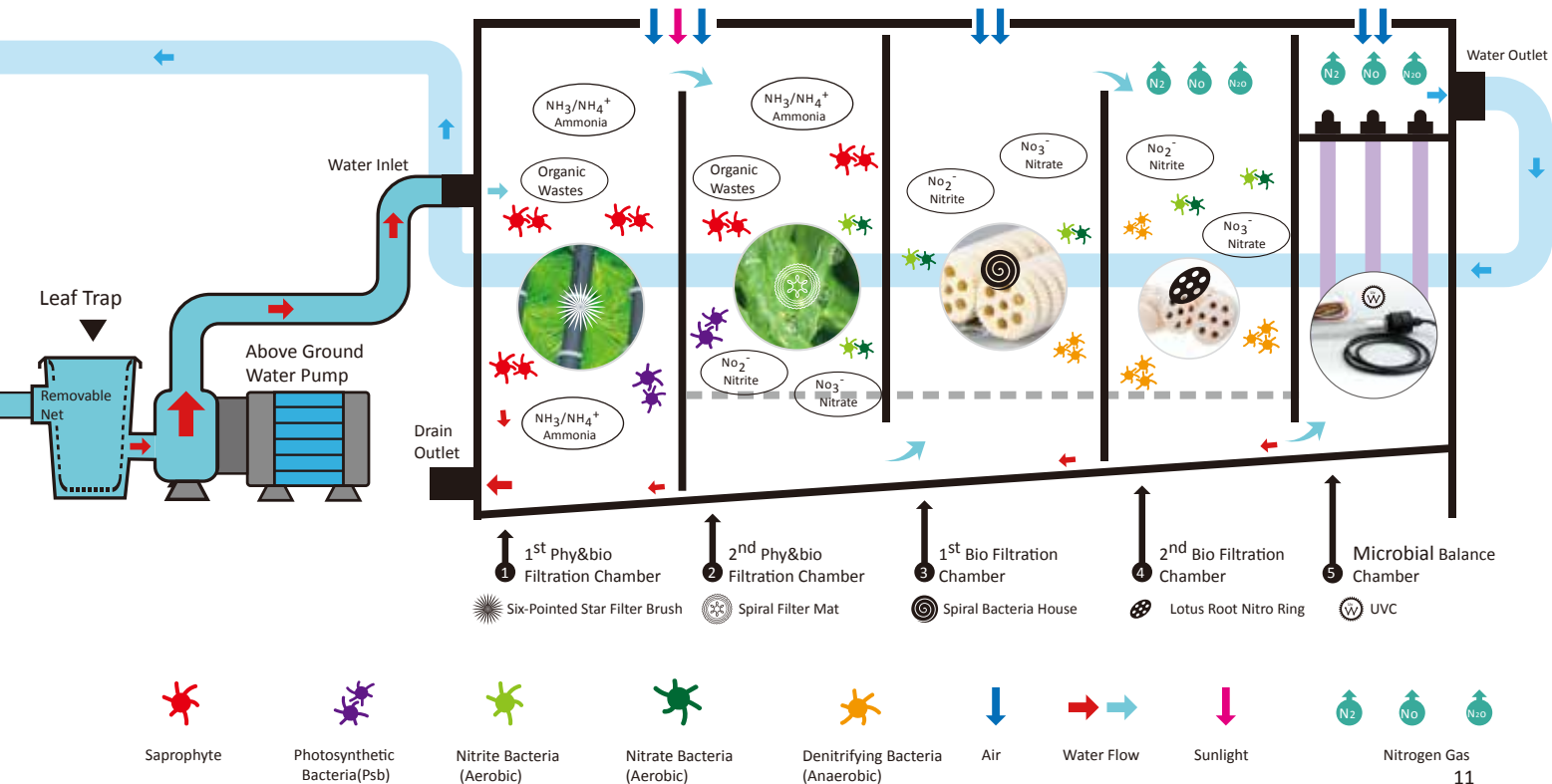
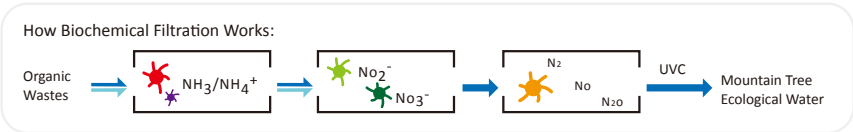
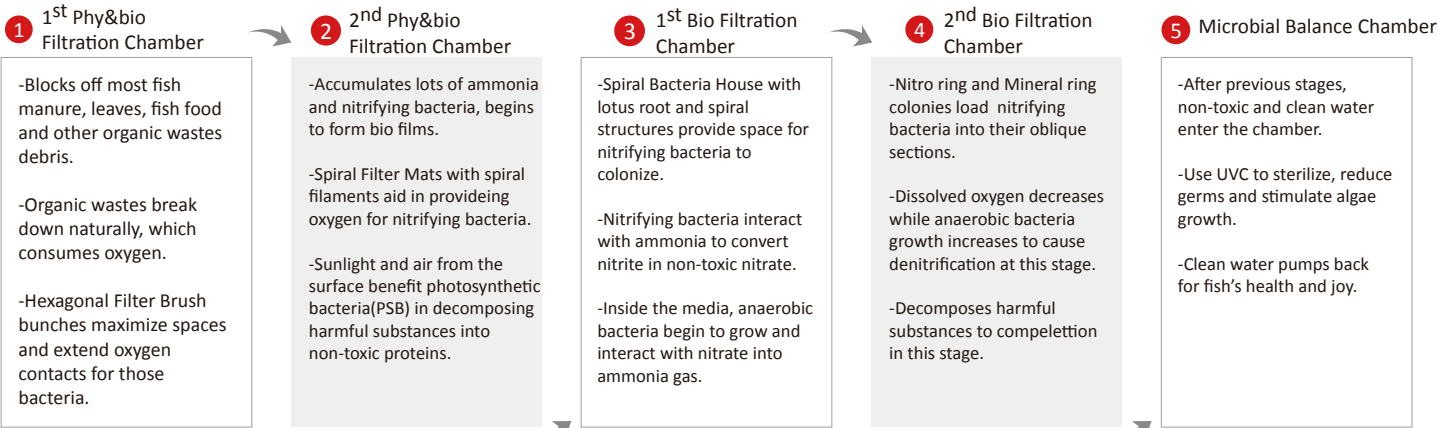




Natural-Eco Pond Filter



**Mountain Tree Natural-Eco Pond Filter:** named for its ecological nature. The system imitates a natural water environment with its circulating and self-cleaning processes. Its functions, guided by the scientific method, keep the water clean and maintain the health of your pond and the creatures within.







Natural-Eco Pond Filter

### Features:

High performing water pump assembled with LEAF TRAP, to remove large particles and reduce the working load of the biological filtration chambers.



Leaf Trap &  
Above Ground Water Pump



### Why LEAF TRAP?

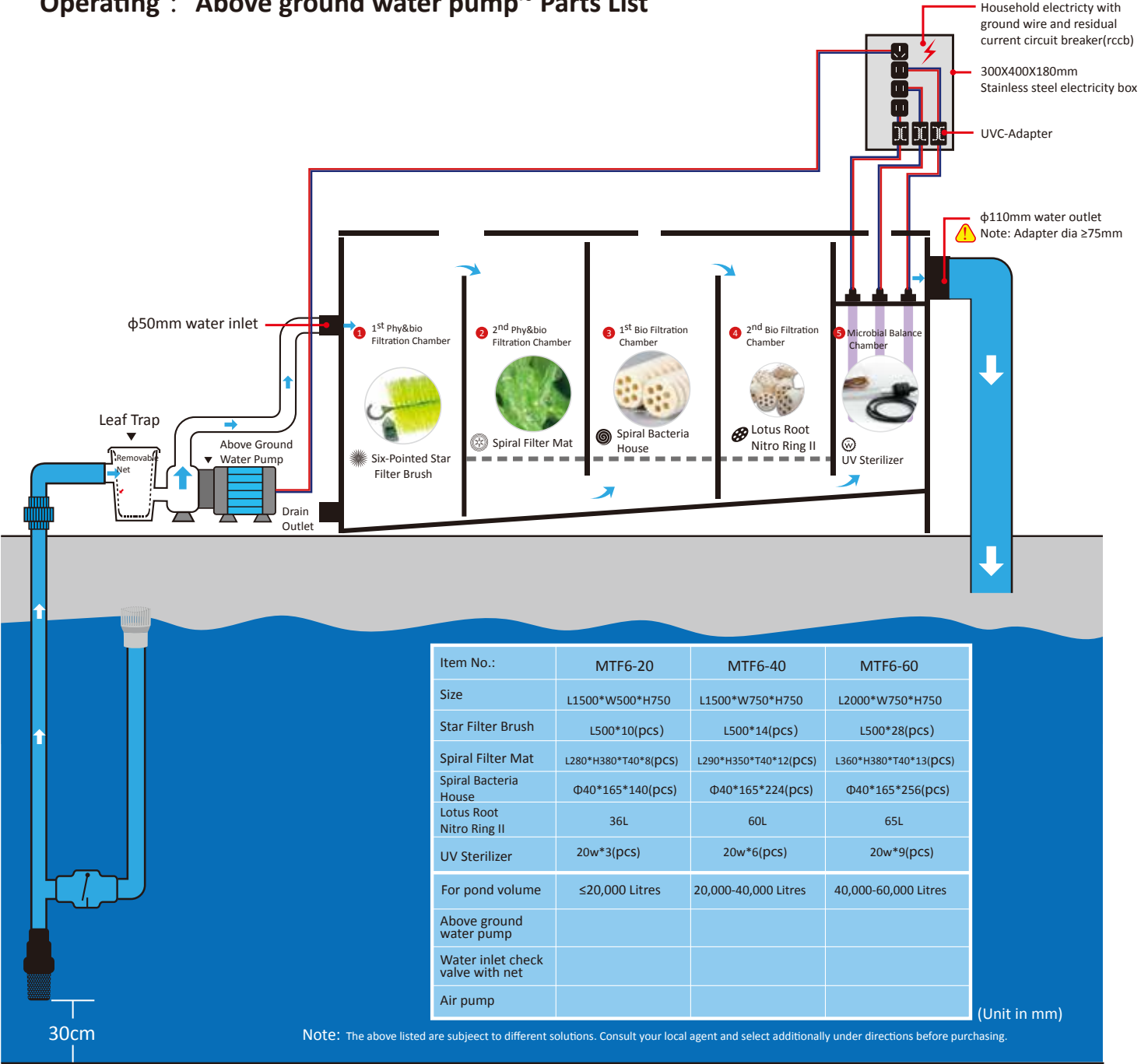
Experiments prove that decaying leaves could help eliminate nitrate nitrogen and therefore reduce the nitrogen load, while too much leaves lead to eutrophication. Leaf trap helps to reduce leaf waste contamination.

## Operating : Above ground water pump



**Tips:** Rotted matter such as leaves and fish food have high impacts on water quality. Removing leaves from the pond and Leaf Trap could help filtration systems perform better.

Operating : Above ground water pump~ Parts List



## Operating : Submersible pump



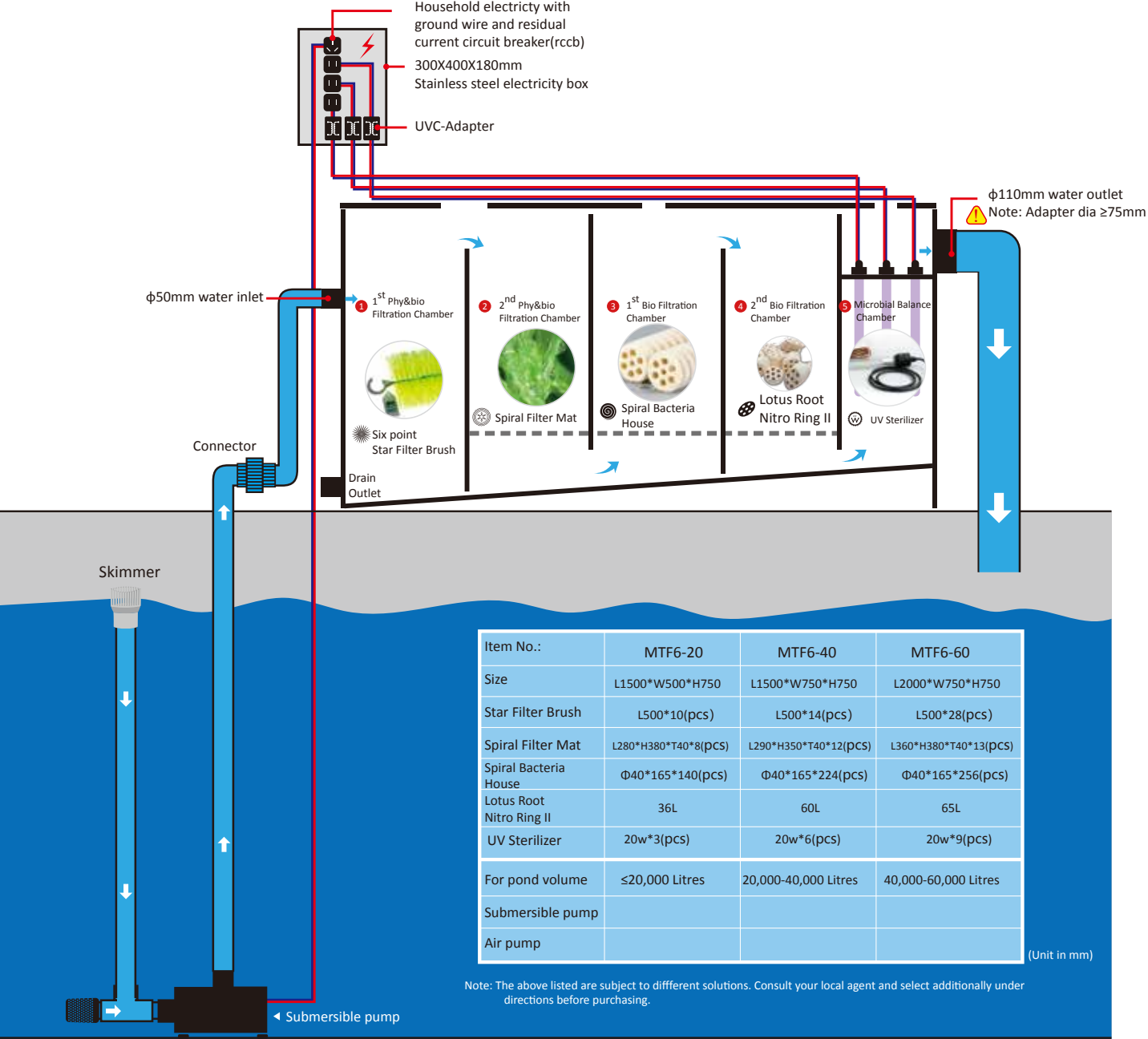
### Functions :

Apply submersible pump to ensure large flow and it is easier to install.



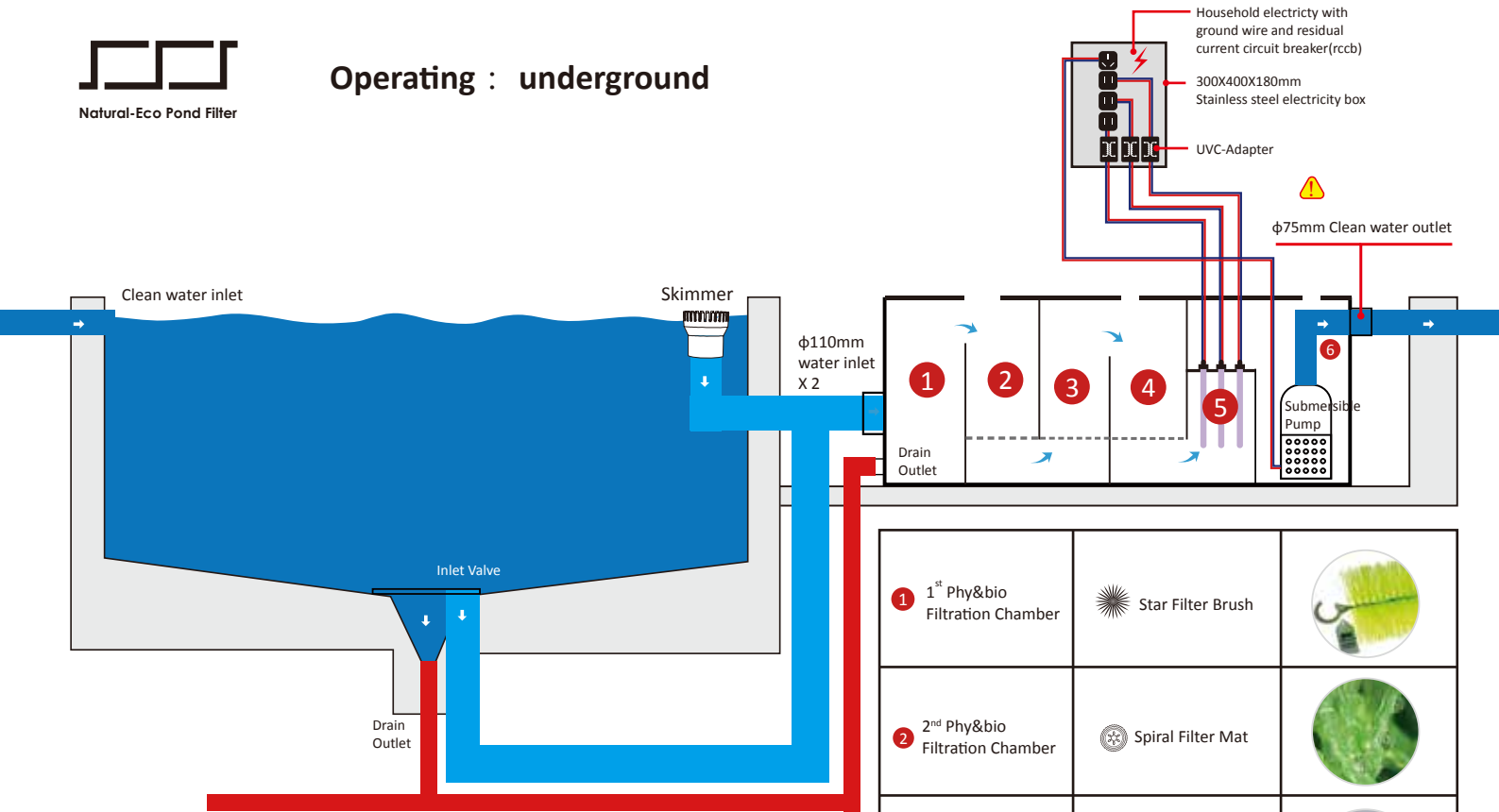
**Submersible pump**

Operating : Submersible pump ~Parts List











## Operating : underground



Item No.:	MTF6-20	MTF6-40	MTF6-60
Size	L1500*W500*H750	L1500*W750*H750	L2000*W750*H750
Star Filter Brush	L500*10(pcs)	L500*14(pcs)	L500*28(pcs)
Spiral Filter Mat	L280*H380*T40*8(pcs)	L290*H350*T40*12(pcs)	L360*H380*T40*13(pcs)
Spiral Bacteria House	Φ40*165*140(pcs)	Φ40*165*224(pcs)	Φ40*165*256(pcs)
Lotus Root Nitro Ring II	36L	60L	65L
UV Sterilizer	20w*3(pcs)	20w*6(pcs)	20w*9(pcs)
For pond volume	≤20,000 Litres	20,000-40,000 Litres	40,000-60,000 Litres
Above ground water pump			
Water inlet check valve with net			
Air pump			

(Unit in mm)

**Note:** The above listed are subject to different solutions. Consult your local agent and select additionally under directions before purchasing.

1	1 <sup>st</sup> Phy&bio Filtration Chamber	Star Filter Brush	
2	2 <sup>nd</sup> Phy&bio Filtration Chamber	Spiral Filter Mat	
3	1 <sup>st</sup> Bio Filtration Chamber	Spiral Bacteria House	
4	2 <sup>nd</sup> Bio Filtration Chamber	Lotus Root Nitro Ring II	
5	Microbial Balance Chamber	UV Sterilizer	
6	Clean Water Chamber	Submersible Pump	



Mountain Tree Natural-Eco Pond Filter

## Wide uses of Mountain Tree Natural-Eco Pond Filter



Gardens



Apartments



Villas



Hotels



Swimming Pools



Parks



Plaza



Office



Ponds



Fish Farms



Lakes



Man-made Lakes

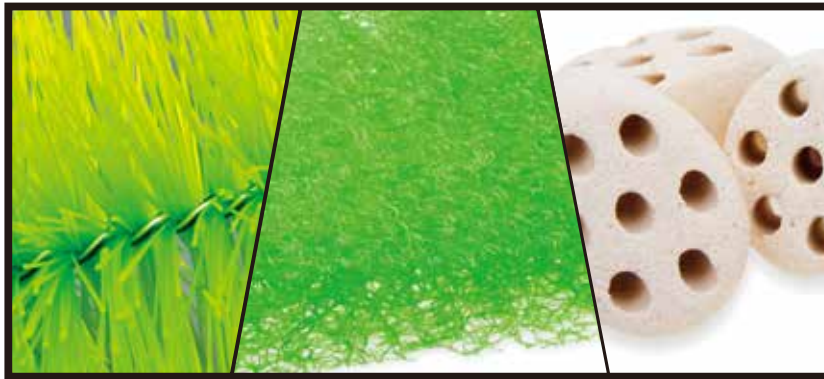




Mountain Tree Natural-Eco Pond Filter



**Mountain Tree Natural-Eco Pond Filter**



**Product**





# Star Filter Brush



- Has both Physical & Biological Filtration Mechanisms



The six-pointed star filament offers four times more filtration power than normal single thread brushes.



Open hook head easy to install and take out.



Covered in premium 304/316 stainless steel, features with anti-rust weight bearings. Limits secondary pollution.



Excellent physical and biological filtration-blocks wastes and cultures bacteria.



Easy to install and maintain, the choice of professionals.



Used for pre-filtering water.



EU RoHS standards tests passed. Safe and non-toxic material.



Customizable sizes



## Features :

- Physical filtration of residue, precipitation, and decomposing organic substances ;
- Enough interspace comes in between dense filaments to provide enough oxygen for bacteria.



Article	Article No.	Size/Packing	Package Size	G.W/CTN	Picture
Star Filter Brush Dia12*40CM	MTF124040	40CM+8CM 100PCS/CTN	52×52×88CM	9kg	
Star Filter Brush Dia12*50CM	MTF124050	50CM+8CM 50PCS/CTN	52×52×58CM	6kg	



# Spiral Filter Mat



## • Multi-Functional and Widely Used Filter Media



### Spiral 3D Structure(Patented)

More surface area is covered by spiral and coarse filaments, aids in beneficial bacteria cultivation and upgrades bio filtration efficiency.



### Solid Structure Made by Hot-Melting

Made of eco-friendly material by hot-melting, safe for water, UV and sunshine resistant and more durable.



### Moderate Thickness and Density

Circulates more oxygen and organic material to keep bacteria active and prevent clogging.



### Easy to cut, maintain and install

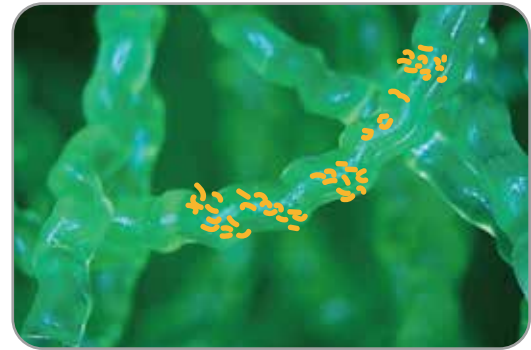


### EU RoHS standard tests passed

Safe and non-toxin material.



### Widely used for marine water, freshwater and all kinds of landscape filtration.



Patented Sprial filaments maximize surface for colonies of bacteria.



## Functions :

-Has both physical and biochemical filtration capabilities with excellent water peameability. Provides subarea for bacteria to achieve step-by-step biological filtration.



Positioned this chamber in sump

Article	Article No.	Size/Packing	Package Size	G.W/CTN	Package
Spiral Filter Mat Green 33x33x4CM	MTF302	33×33×4CM 23PCS/CTN	85×53×49CM	9.8kg	
Spiral Filter Mat Green 200x100x4CM	MTF303	200×100×4CM 5PCS/CTN	204×104×21CM	28kg	

# Lotus Root Spiral Bacteria House II



- Activate water molecule and microbes

**PH**  
6.8~7.2

**Material:**  
Ceramic in rich mineral



**4303m<sup>2</sup>/L 1,311,726.47 sq ft/cu ft**  
Patented spiral structure adds up to 3 times filtration space.



80% water absorption certifies maximum media filter efficiency.



Releases rich mineral elements to promote water ecological balance.



Media emits FIR as well anion values average up to 400pcs/cm<sup>3</sup>, which makes water alive and benefits fish immune systems and colorings.



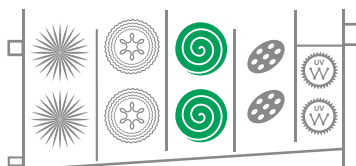
Each piece includes a mesh protector, which leads to its safe shipment and increases 3D sapital capacity for bacterial development.



EU RoHS standard tests passed. Safe and non-toxin material.

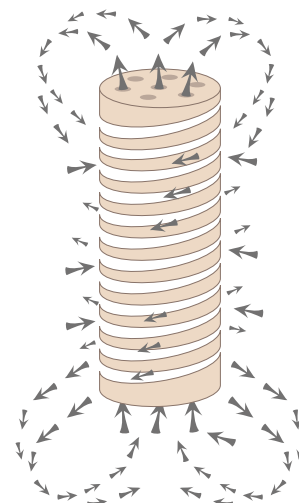


Widely used for: water mineralized in filtration.

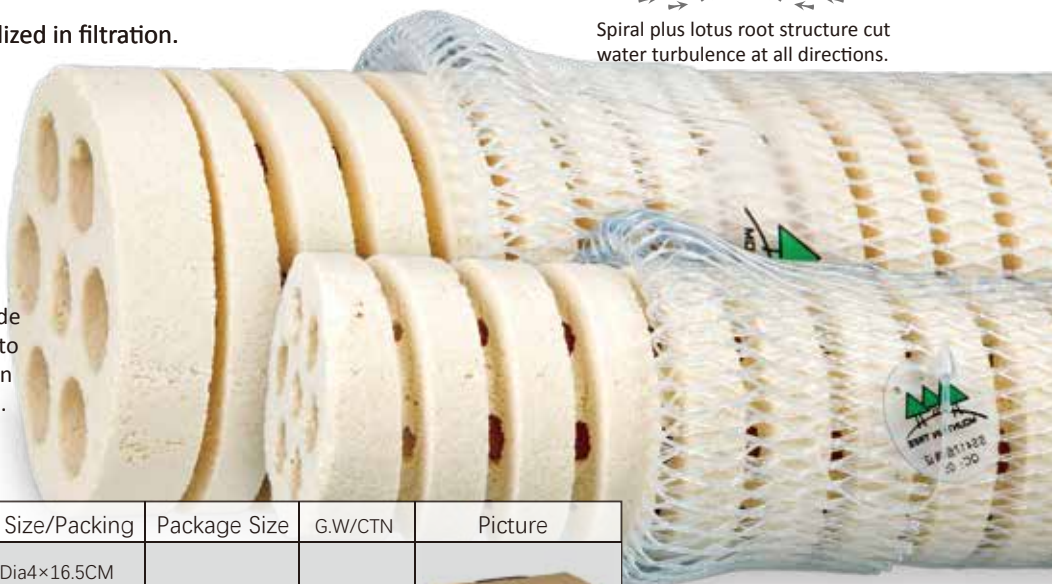


## Functions:

Special lotus root and nano pores provide ultimate environment for nitrobacteria to grow, thus enhance their performance in dealing with harmful nitrate and nitrite .



Spiral plus lotus root structure cut water turbulence at all directions.



Article	Article No.	Size/Packing	Package Size	G.W/CTN	Picture
Fresh water Lotus Root Bacteria House II Aqua φ4×16.5CM	MTF207	Dia4×16.5CM 24PCS/BOX,4BO XES/CTN	43×31.5×38.5CM	15.5kg	
Fresh water Lotus Root Bacteria House II Aqua φ8×25CM	MTF208	Dia8×25CM 15PCS/CTN	42.5×26×27CM	10kg	



# Lotus Root Nitro Ring II



- Builds An Exhaustive & Healthy Micro System
- Maximizes Filter Space

**PH**  
6.8-7.2

**Material:**  
Ceramic in rich mineral



## Rough surface

The texture helps nitrifying bacteria attach and grow, thus greatly accelerating the establishment of a nitrification system



## Special lotus hole structure

Helps the water to carry nitrite and nitrate into the nitrification ring for efficient denitrification reactions, and uses the anaerobic bacteria cultured in the micropores inside the nitrification ring



## Oblique section

More filter space can be saved, and the beveled nitrification rings accumulate together, which can disrupt the flow of water and prolong the flow of water in the area where the nitrification ring resides, so as to improve the filtration efficiency.



## Micro hole

Helps to cultivate the aerobic nitrifying bacteria community on the surface of nitrated rings, while the internal micropores are conducive to the cultivation of anaerobic bacteria for denitrification reactions, which decomposes  $\text{NO}_3$  into nitrogen and oxygen through denitrification.



## 5700m²/L 1,737,587.93 sq ft/cu ft

In the biochemical filtration of ceramic filter media provides a larger surface area, with a stronger ability to cultivate bacteria. Through special manufacturing processes, porous can be formed within the ceramic ring, offering an excellent microporous structure.

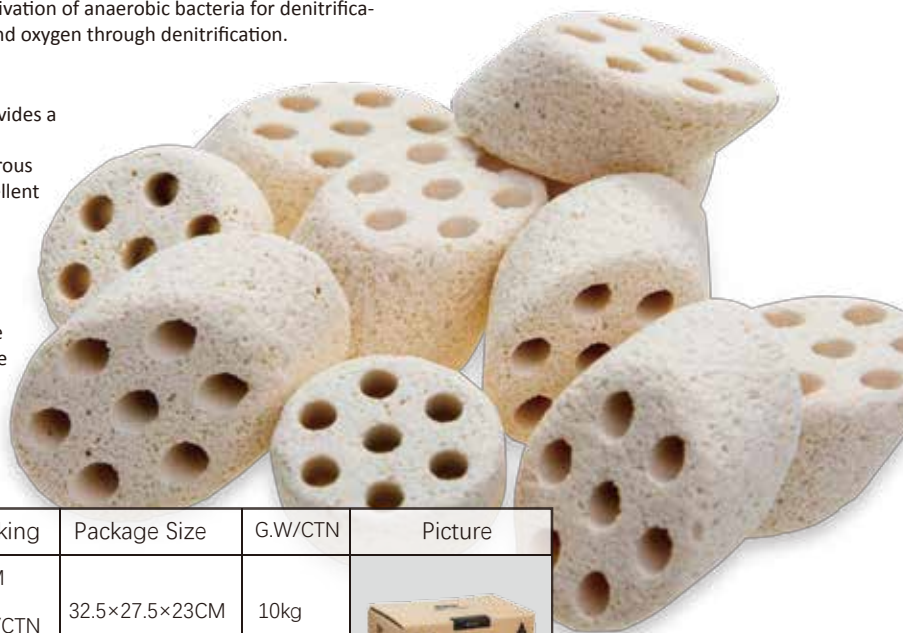


## Water absorption

The higher the water absorption rate of the ceramic ring, the better the continuity of the internal micropore structure inside the ceramic ring. The consistency of the internal pores determines the efficiency of the water flow to bring  $\text{NO}_3$  into the ceramic ring for anaerobic denitrification. Nitro ringd with superior water absorption and water absorption speed.

## Functions:

Featured with oblique section plus super porous, to maximize space for nitrobacteria growth and eliminate harmful substance.



Article	Article No.	Size/Packing	Package Size	G.W/CTN	Picture
Fresh water Lotus Root Nitro Ring II 1L 30×20mm	MTF209	30×20MM 1L/BOX, 12BOXES/CTN	32.5×27.5×23CM	10kg	
Fresh water Lotus Root Nitro Ring II 5L 50×30mm	MTF210	50×30MM 5L/BOX, 4BOXES/CTN	40×26.5×24CM	11.5kg	
Fresh water Lotus Root Nitro Ring II 20L 50×30mm	MTF211	50×30MM 20L/CTN	30×30×22.5CM	10.5kg	

A large black rectangular water filtration unit is positioned outdoors on a dark wooden deck. The unit has a logo on its top left corner that reads "AQUA-TWIN 1100". To the right of the unit, a grey PVC pipe with a 90-degree elbow connects to a blue and black electric pump. Next to the pump is a black trash can with a blue lid. In the background, there is a stone building with a window and an air conditioning unit, surrounded by lush green trees and a small pond.

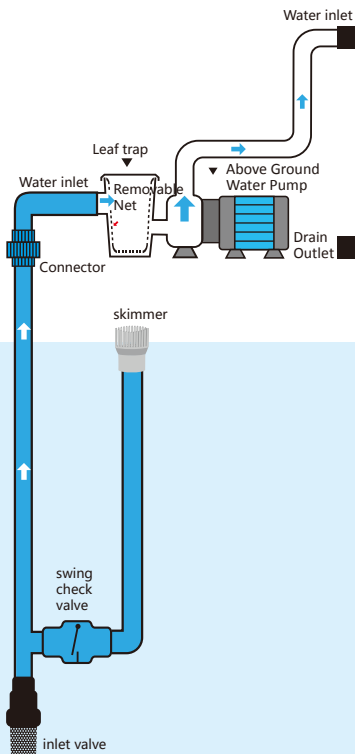
Optional







### Above ground water pump-Accessories options



Water Inlet Accessory

+



Water Outlet Accessory

+



+



Swing Check Valve

+

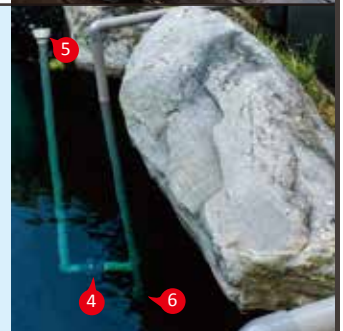



Skimmer

+



Inlet Valve



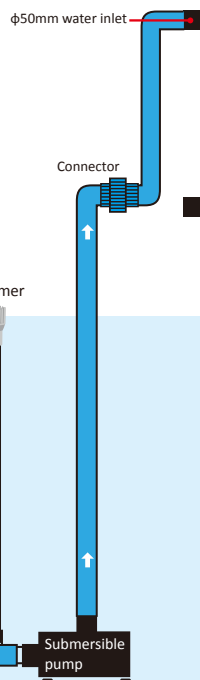
 Note: All accessories must be glued to match pipes firmly.



Optional



## Submersible pump-Accessories equipment options



Connector



Water Inlet Accessory  
50mmX75mm



Skimmer



Water inlet  
with net



Note: All accessories must be glued to match pipes firmly.

## What We Offer?



Intelligent Water Monitoring System



Koi Pond Full Automation System

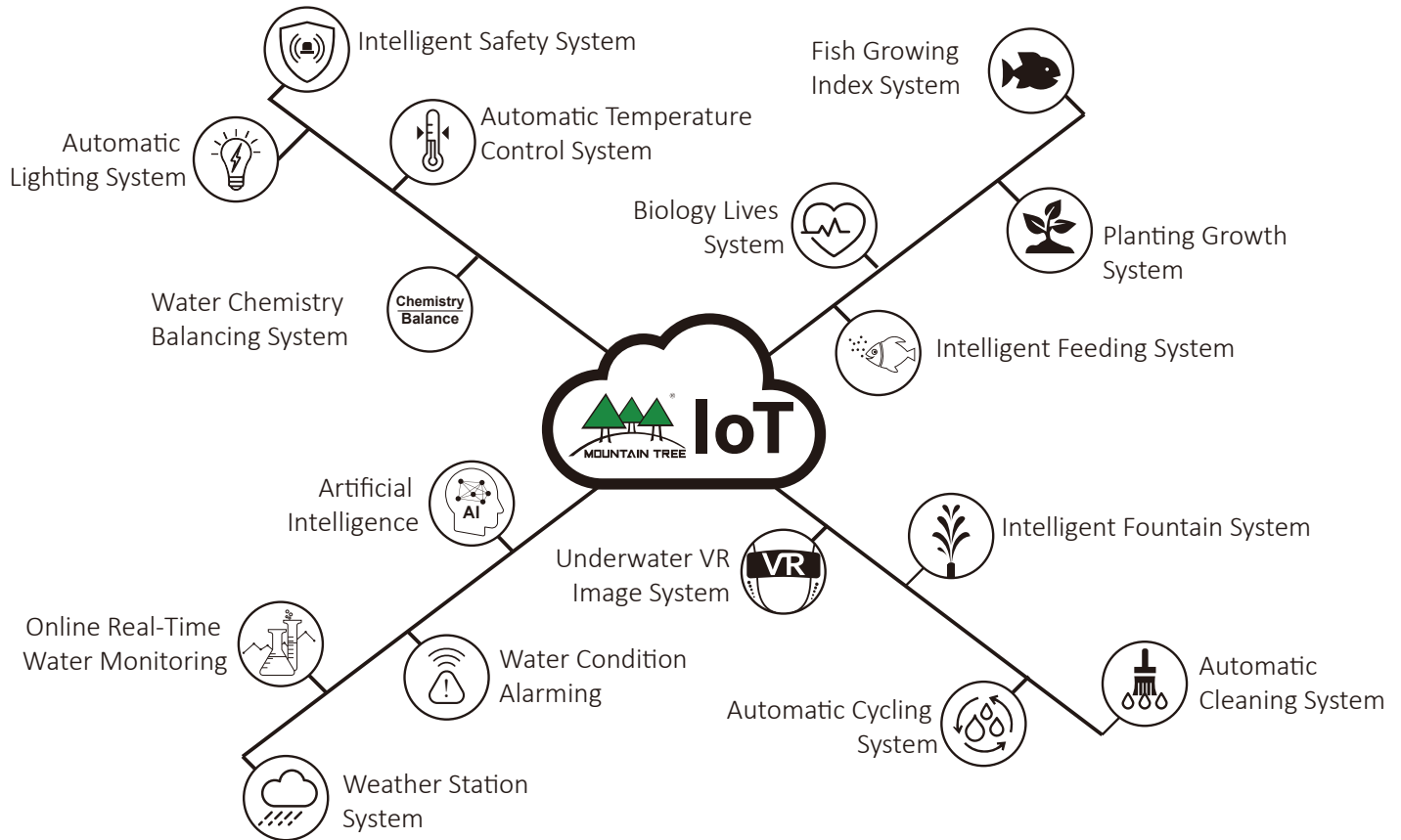


High Quality Filtration Product Line



Customized Automated Filtration System

## ■ Mountain Tree Intelligent System ■



— Natural ■ Eco-Friendly ■ Technological —

### ● What is an intelligent Koi Farm/Koi Pond?

- ✓ Auto Adjust Water Chemistry based on the Alarm Profile
- ✓ Automation of Most Aspects of the Pond Operation
- ✓ Monitoring & Control Of Power, Water and Food Consumption
- ✓ Fast ROI ( Return On Investment)



# Natural ■ Eco-Friendly ■ Technological



Parameters: pH, Temperature, DO, NH3, NH4, ORP, Turbidity, Conductivity, KH, NO3, NO2, Chlorine

## Benefits of water monitoring

### Koi Hobbyists :

- ✓ Simple to Use
- ✓ Worry Free Monitoring
- ✓ 24x7 Online Real-Time Monitoring
- ✓ Maintenance Free
- ✓ Fish Well Being is Ensured
- ✓ Web/Mobile Application
- ✓ Early Warning Alarms
- ✓ More Time To Enjoy The Fish

### Koi Farms:

- ✓ Unlimited Water Chemistry Profiles (Growth, Survival, Optimal and Custom)
- ✓ Alarm is Based on The Alarm Profile
- ✓ Unlimited Number Of Ponds (Additional Hardware Purchase Required)
- ✓ Labor Cost Savings
- ✓ Ensuring High Yield



**Pond**



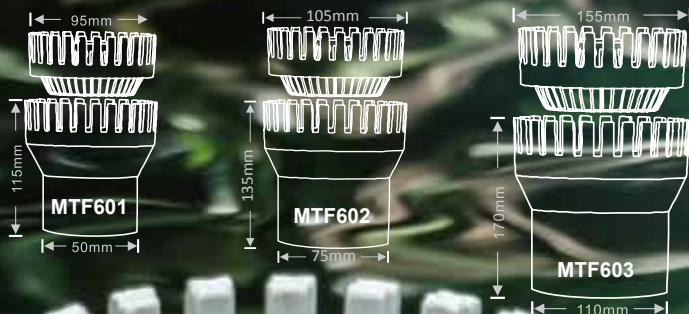


# SKIMMER



Pond

- Skimmer makes control surface easier and no any moving pipes when feeding
- Adjusts water flow, blocks fish food and collects leaves as well



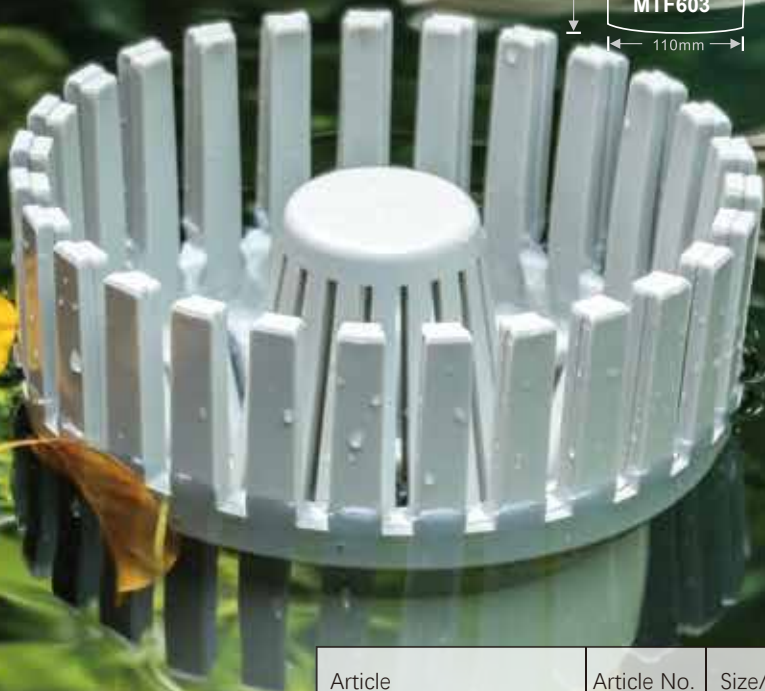
- Vertical Installation: Intercept feed



- Tilted Installation: Collect leaves and reduce the burden of filter system.



- Revolve the axis: Control water flow freely



Article	Article No.	Size/Packing	Package Size	G.W/CTN	Picture
Skimmer(Grey) pipe diameter 50MM	MTF601	Dia 50MM 1PC/BOX,24BOX ES/CTN	40.9×20.7×38.8CM	6kg	
Skimmer(Grey) pipe diameter 75MM	MTF602	Dia 75MM 1PC/BOX,24BOX ES/CTN	50×26×44.5CM	9.6kg	
Skimmer(Grey) pipe diameter 110MM	MTF603	Dia 110MM 1PC/BOX,12BOX ES/CTN	48.8×32.7×36.5CM	7.6kg	



### How To Use?

1. Fix the loops and make sure the brushes are floating in the water.
2. You can install them in one of these ways 1, 2, 3

### Choice 1, 2, 3



## SPAWNING BRUSH



### Comfy Home for Fish Eggs



### Emulates Natural Koi Spawning Environment

When the water temperature reaches approximately 25 degree in the spring (and in autumn as well in some climates), male and female mature koi look for places to breed. In natural environments, koi usually spawn in water weeds, plants, roots or other soft materials.

The Mountain Tree Spawning Brush is well-designed to emulate its natural environment for koi breeding, which provides an easy solution for koi keepers and hobbyists.



### Comfy Home for Fish Egg Growth

During this special period, koi are sensitive to the environment. Without a comfy, soft home, they may spawn on hard rocks and walls. Meanwhile, touching coarse materials in a pond can lead to a risk of injury or unsuccessful spawning.

The Mountain Tree Spawning Brush is made of soft stainless steel coupled with appropriately dense nylon filaments. Fish will feel a smooth, comfortable surface that they can lay eggs on.



### Higher Survival Rate of Fish Eggs

Having been tested by many koi farms, the Mountain Tree Spawning Brush has been proven to provide a more three-dimensional space for fish eggs, thanks to soft but malleable filaments. Furthermore, this structure allows eggs access to more oxygen and nutrients needed for growth.



### Easy Solutions for Breeding

Rinse the brushes before using and place them underwater, making sure the loops are fixed. They can be used in future breeding seasons under properly storage.



Article	Article No.	Size/Packing	Package Size	G.W/CTN	Picture
Spawning Brush 150CM 2PCS/BOX	MTF100150	Dia 15×150CM 2PCS/BOX, 40BOXES/CTN	52×52×58CM	18.8kg	

# Lotus Root Bacteria House III

- Keeps Water And Microbes Active
- Lotus Root 3d Structure

3<sup>rd</sup>  
generation

BIO



Aquarium

P  
Pond

PH  
7.0~7.2

Material:  
Ceramic in rich mineral

700~900 pcs/cm<sup>3</sup>



## NEW Indented Lotus Root Design

Increases the hydrophobic area between the media and forms a turbulent flow, which provides more appropriate surface area. Avoids the occurrence of blocking due to excessive concentrations of microorganisms and sediment buildup in the biological chambers.



5292m<sup>2</sup>/L 1,613,213.22 sq ft/cu ft (MTF219)

Filtration media area is increased by more than three times thanks to our patented lotus root plus spiral structure.



## Far Infrared Ray

Media not only emits Far Infrared Ray, but also high Anion values (averaging up to 400pcs/cm<sup>3</sup>) Makes the water alive and benefits fish immune systems and colorings.



## Mesh Protector

Each piece of the lotus root media comes packaged with a mesh protector, which lends to its safe shipment and increases the 3D spatial capacity for bacterial development.



## Rich Mineral Elements

Contains various minerals for fish, coral and plants, including K, Mg, Fe, Zn, Na, Ca, which improves the growth rates of fish bones while enhancing fish appetites and optimally balancing their blood conditions.

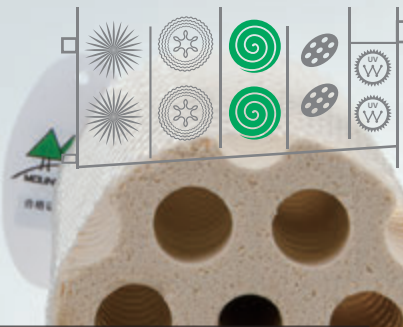


## 80% Water Absorption

Water absorption rate of 80% certifies maximum media filter efficiency.



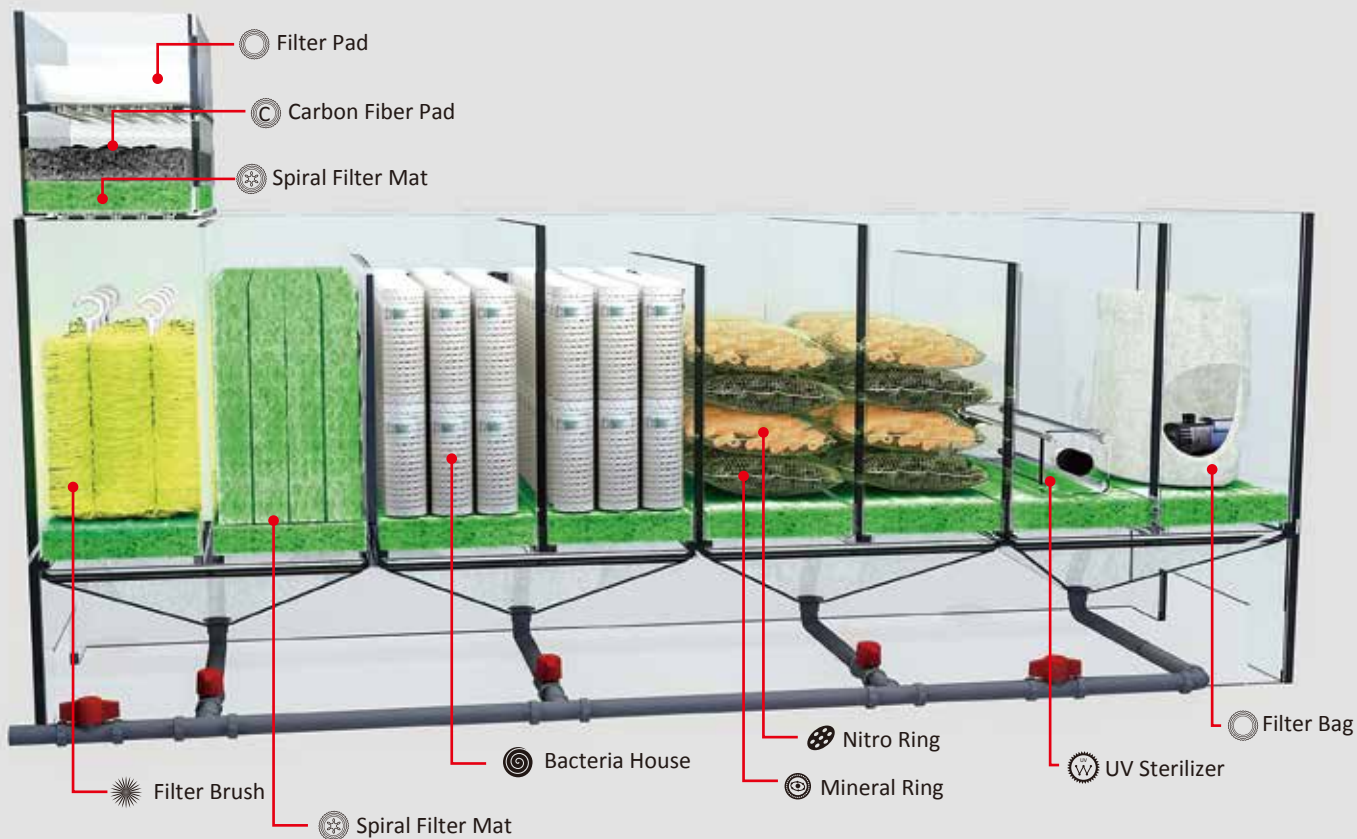
## Compliant with RoHS of EU



Spiral cutting plus lotus root structuring diverts and ensures water to flow throughout the bacteria house constantly. Then it will develop more beneficial bacteria not only on the surface but also inside it..

Article	Article No.	Size/Packing	Package Size	G.W/CTN	Picture
Fresh water Lotus Root Bacteria House III (S) φ4×16.5CM	MTF217	Dia4×16.5CM 24PCS/BOX,4BOXES/CTN	43×31.5×38.5CM	15.5kg	
Fresh water Lotus Root Bacteria House III (L) φ8×25CM	MTF219	Dia8×25CM 1PC/BOX, 12BOXES/CTN	34.5×26×27.5CM	9kg	

## Mountain Tree Ecology System for Aquarium







# 3D Filter Pad

- Mechanical stage filtration
- Washable, Reusable & Durable



Screens out micro and macro organic particles.



3D structure and good resilience.



Good water flow, reduce maintenance time.



Large surface area for bacteria colonies.



Washable and durable.



Cut to fit any filters.



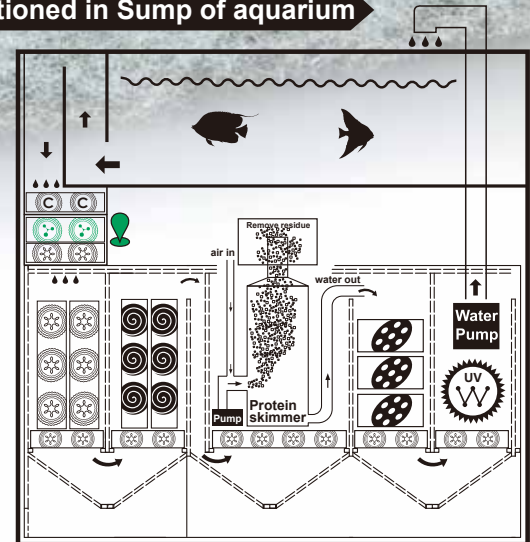
**Compliant with EU RoHS Test**



## Positioned in filter

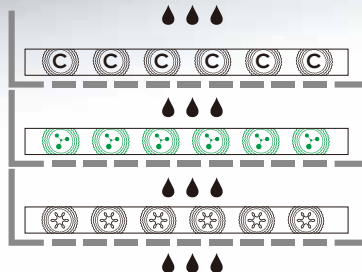


## Positioned in Sump of aquarium



## Positioned in Trickle Filter(wet-dry separation)

- Spiral Filter Mat
- Bacteria House
- UV Light
- Nitro Ring
- Carbon Wool Pad



Article	Article No.	Size/Packing	Package Size	G.W/CTN	Picture
3D Filter Pad	MTF307	40×100×2.5CM 1PC/BOX, 12BOXES/CTN	80×41×51CM	7.5kg	



# Carbon Wool Pad



Material: Carbon Fiber

- Great absorption & “polishing” of water
- Carbon infused, reduces impurities

## Features:



Removes residual medications, toxins, pollutants and dissolved organics.



Contains activated carbon, “polishing” water while trapping floating particles.



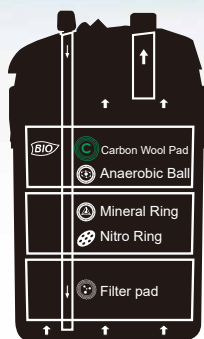
Quick -acting combat of water and heavy metal odors , and discoloration.



Easily cut and shape the pads to suit any filtration systems.



Suitable for: fresh and marine water, any size aquarium or pond..



## Positioned in filter

- For use at the top tier of canister filter, allows for easy maintenance.
- Fewer pollutants may lengthen its life time;
- Acts as the final guard for clean and clear aquarium water.



- For use at the trickle filter as mechanical filtration process.
- Eliminates wastes from the beginning to ease biological filtration.



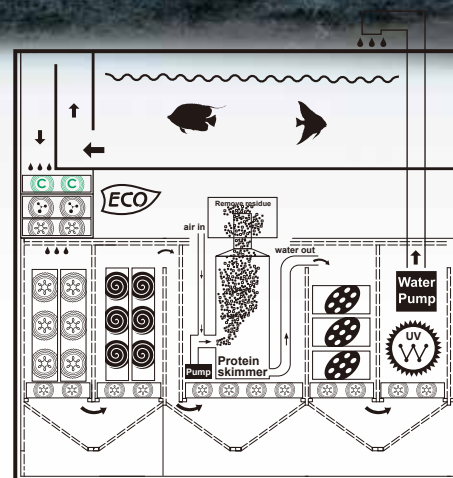
Spiral Filter Mat



Bacteria House



UV Light



## Note:



Please replace the pad after 1 week(subject to different feeding practice). MUST be removed when medicating.

Article	Article No.	Size/Packing	Package Size	G.W/CTN	Picture
Carbon Wool Pad 300G	MTF305	300G/BOX, 12BOXES/CTN	80×41×51CM	8.1kg	

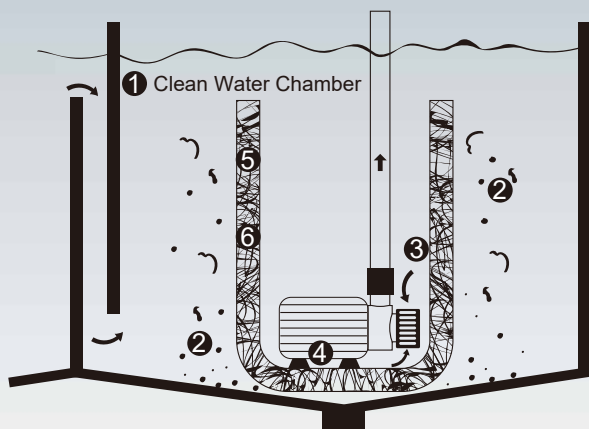


# 3D Filter Bag for Pump

- Screens out residue & keeps water clean
- Pump protector & shock absorber

## Features:

- 1 Used in the final/clean water chamber.
- 2 Filters out fine particulates and debris.
- 3 Protects pump from blocking.
- 4 Eliminates noise and absorbs shock.
- 5 3D structure with biological filtration.
- 6 Durable and washable.

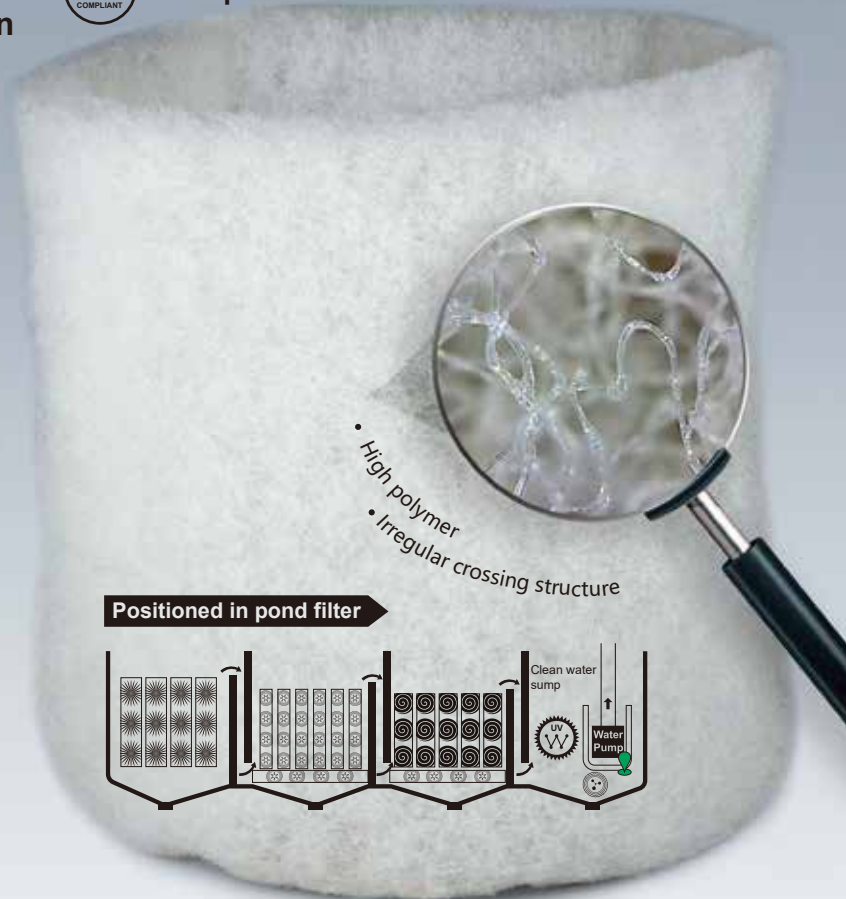


Regular maintenance is good for extended use of filter bags. Please rinse gently using water from the aquarium or tap water. Detergent is PROHIBITED.

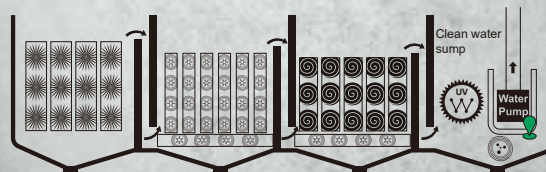
Article	Article No.	Size/Packing	Package Size	G.W/CTN	Picture
3D Filter Bag for Pump φ30×30CM	MTF306	Dia 30×30CM 1PC/BOX, 12BOXES/CTN	70×54×70.5CM	8.1kg	



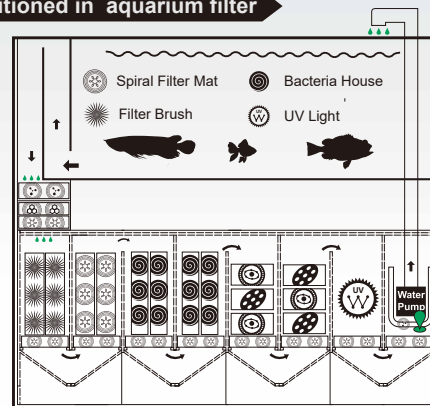
Compliant with RoHS



Positioned in pond filter



Positioned in aquarium filter







# Nitro Ring

- Builds A Healthy Micro System
- Maximizes Filter Space



**PH**  
6.8~7.2



**Material:**  
Ceramic in rich mineral



## Oblique Section Structure

(Patent) Diverts water and oxygen flows to every corner of media to aid in bacterial development.



## Porous

High rate of water absorption balances aerobic and anaerobic bacteria.



**1150m<sup>2</sup>/L** 350, 565,98 sq ft/cu ft

Offers more surface area to aid in beneficial bacteria cultivation and increases filter efficiency.



**Compliant with EU RoHS test**

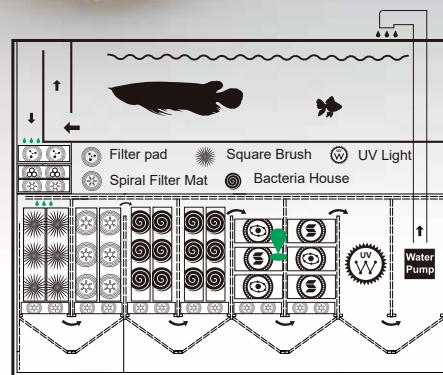
## Positioned in filter



or Activated Carbon  
 Anaerobic Ball

or **Nitro Ring**  
 Maifan Ring

or Filter pad  
 Sponge



Article	Article No.	Size/Packing	Package Size	G.W/CTN	Picture
Nitro ring 1 Liter φ16×13mm	MTF213	16×13MM 1L/BOX, 12BOXES/CTN	32.5×27.5×23CM	10kg	
Nitro ring 18 Liter φ16×13mm	MTF215	16×13MM 18L/CTN	30×30×20CM	10.5kg	

Eco-filtration standard proportion\*  
(based on lab test)

Main Tank Water Volume : Filtration Water Volume  
**4:1**

**Calculation:**

Main Tank Water Volume:  
Filtration Water Volume: Nitro Ring Volume=  
**32:8:1**



# Maifan Ring



## ● Full Functioning Mineral Filter Media



### Patented Oblique Section Structure

Diverts water and oxygen flows to every corner of the media to aid in bacterial development;



### Rich Minerals

Releases K, Fe, Na, Ca, Mg, Zn, Cu, and other minerals to benefit aquatic life.



### Packed in 4 strings of necklaces.

Easy to install and maintain.



### 500m²/L 152,419.99 sq ft/cu ft

Offers more surface area to aid in beneficial bacteria cultivation and increases filter efficiency



### Purifying Water

Maintains water's natural balance



### Compliant with EU RoHS test

**PH**  
6.8~7.2

### Material:

Ceramic in rich mineral



★ Mineral elements are beneficial for bacterial cultures and fish.

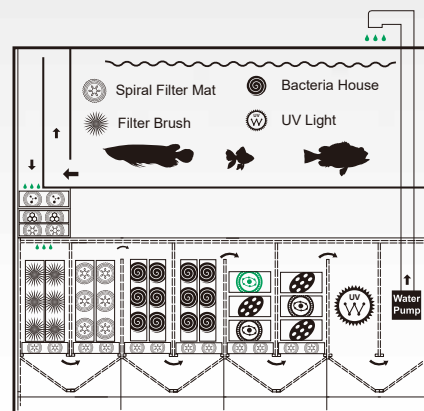
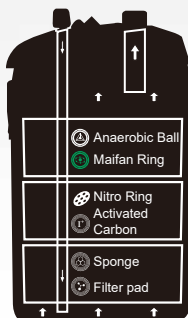
Modest **K+**: Improves growth rates, vital for fish bones.

Modest **Fe+**: Benefits plants, balances best blood conditions for fish, improves fish antioxidant capacity and immune systems.

Modest **Ca+**, **Mg+**: Benefits specific growth rates and food conversion efficiency.

Modest **Zn+**: Increases fish appetites and muscular fats.

### Positioned in filter



Eco-filtration standard proportion\*( based on lab test)  
Main Tank Water Volume : Filtration Water Volume 4:1

### Calculation:

Main Tank Water Volume: Filtration Water Volume:  
Maifan Ring Volume=**32:8:1**

Article	Article No.	Size/Packing	Package Size	G.W/CTN	Picture
Maifan ring 1 Liter φ16×13mm	MTF214	16×13MM 1L/BOX, 12BOXES/CTN	32.5×27.5×23CM	10kg	
Maifan ring 18 Liter φ16×13mm	MTF216	16×13MM 18L/CTN	30×30×20CM	11kg	





## Mini Ring

- Mini but high efficiency
- Ideal for small size tank



**PH**  
7.0~7.5



**MTF212** It is recommended that Mini Ring is utilized in this chamber for canister filters



Nature mineral elements powder added



Balance water pH



Mini size as a finger nail



Special tooth gear shape



Ensure water movement




**1050m<sup>2</sup>/L** 320,081.98 sq ft/cu ft  
Offers more surface area to aid in beneficial bacteria cultivation and increase filter efficiency.



Packed in 4 individual mesh bags for easier maintenance.



Article	Article No.	Size/Packing	Package Size	G.W/CTN	Picture
Mini Ring 1 Liter	<b>MTF212</b>	5×8MM 1L/BOX, 12BOXES/CTN	32.5×27.5×23CM	11.3kg	



# COCONUT CARBON



**PH**  
7.0~7.5

## ● Safe chemical filter media for fish and water



Natural raw material, more carbon, less dust.



Absorbs chemicals and odours, including those of organic compounds, overall organics (like DOC, TOC), pesticides, detergents, suspended solids and excesses, chlorine etc. which cannot be effectively removed by regular granular activated carbon.



High iodine values up to 1000 mg/g, and a fine porous material with a large surface area.



Removes tastes, smells, odors, organic compounds and fish excrement pollutants.

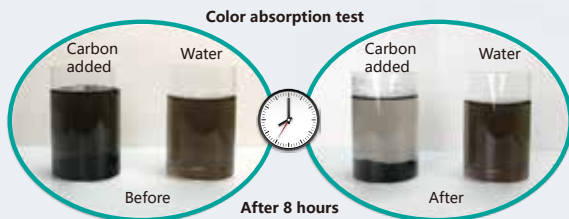


Leads in when changing water to act on turbulence quickly. Offers safe chemical filtration. Reduces the frequency of using chemicals.

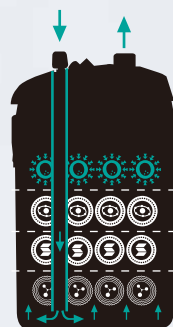


Packed in four individual mesh bags for easier maintenance.

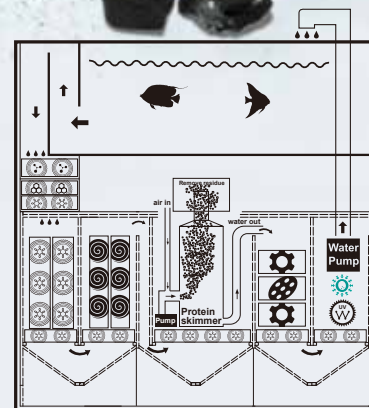
### Positioned in canister filter



P.S. Based on lab test with ink solution.



Maifan Ring  
Nitro Ring  
Filter pad



Spiral Filter Mat Bacteria House  
UV Light MT Sponge Nitro Ring



### Instruction;

1. Rinse off dust with aquarium water before putting filter in.
2. Used as filter media: Take out and dispose after 1 month (depends on feeding practices).  
Used as emergency treatment: Take out and dispose after 1-2 days absorption.



### Note:

MUST stop using when it is saturated to avoid affecting water adversely. Used carbon can be recycled in gardening.

Article	Article No.	Size/Packing	Package Size	G.W/CTN	Picture
1L Coconut Carbon Golden Class	MT202	1L/BOX, 12BOXES	32.5×27.5×23CM	7.6kg	
18L Coconut Carbon Golden Class	MT226	18L/CTN	30×30×20CM	9kg	



# CLEANING BRUSH



## Features:

- Used for cleaning filter pipes and aquariums
- Made of high-quality, Eco-friendly material
- Black overcoat makes it more durable



● Bendable with good resilience.



○ Can be shifted back and forth easily in curvy pipes.

MT119060

L=150cm

MT119150

Strong stainless steel, more durable. ●

High polymer, safe & durable. ○



● Black overcoat keeps the string clean from dirt.



L=60cm

Φ=13mm L=47mm

Φ=25mm L=47mm



Before



After

Article	Article No.	Size/Packing	Package Size	G.W/CTN	Picture
Cleaning brush 60CM (with one end brush)	MT119150	Single Brush Dia 25MM, L60CM 1PC/BAG, 100BAGS/CTN	79×24×20CM	4.2kg	
Cleaning brush 150CM (with double ends brushes)	MT119060	Double Brush Dia 25MM&13MM, L150CM, 1PC/BAG, 100BAGS/CTN	88×24×20CM	9kg	

Φ=25mm L=47mm





# Small Square Brush

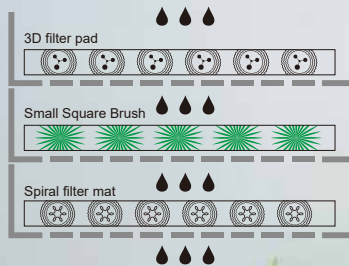


- Easier to fit filter box comparing to round brush, without space wasting.
- Maximize filter space and improve filter effect greatly.
- Physical filtration & biological filtration.
- Patented cross shape filaments provide more surface to increase biofilter effect
- Washable, reusable and durable.

## Instruction of use:

1. Used in Wet&Dry separation, top filters, trickle filters etc.
2. Simply wash before using. Put brush ball orderly for better performance.
3. Maintenance regularly according to different feeding habits.

## Positioned in trickle filters



Round cover to keep you from hurting,  
304 Stainless Steel wire

Article	Article No.	Size/Packing	Package Size	G.W/CTN	Picture
Small Square Brush for Wet-Dry Filter 6X6X5CM	MT105	6×6×5CM, 18PCS/BOX, 54BOXES/CTN	52×52×58CM	8.6kg	

Efficient in culturing bacteria



# Brush Ball



- Small size to fit sumps and filters.
- Patented filaments to upgrade bio filtration effect.
- Maximizes filter volume in limited space with proper density.
- Excellent physical and biological filtration.
- Washable, reusable and durable.

## Instruction of use:

- 1.Used in physical filtration, canister filters, top filters, trickle filters etc.
- 2.Simply wash before using. Put brush ball orderly for better performance.
- 3.Maintenance regularly according to different feeding habits.

Positioned in filter



Efficient in culturing bacteria



Patented cross shape filament



-Round cover to keep you from hurting  
-304 Stainless Steel wire

Article	Article No.	Size/Packing	Package Size	G.W/CTN	Picture
Small Brush Ball for Sump and Filter	MT121	5×4-5CM 250PCS/BAG, 2BAGS/BOX, 8BOXES/CTN	BOX: 48×19.5× 35CM Carton:73×50× 81CM	18kg	



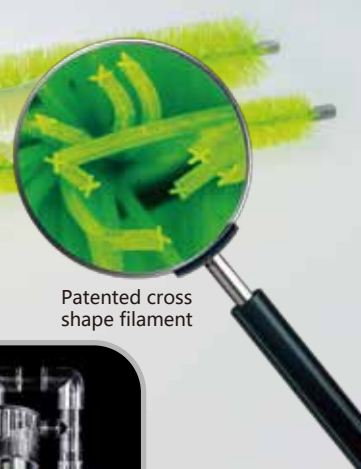
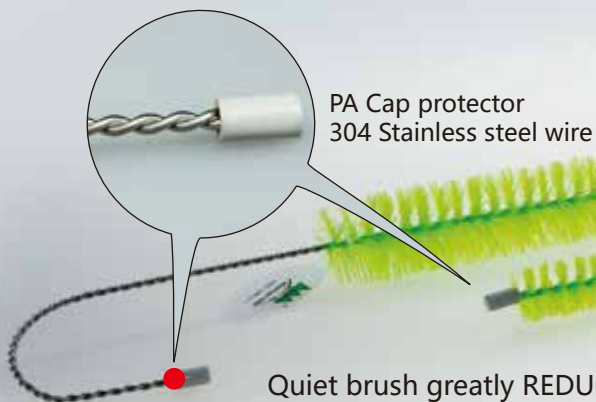
# Quiet Brush

- Wet&dry separation blocks off particulates.
- Reduces noise efficiently.
- 304 Stainless steel durable and easy to maintain.
- A hook for easily hanging up (only for MT122).
- New and safe PP filaments, EU RoHS test passed.
- Washable, reusable and durable.

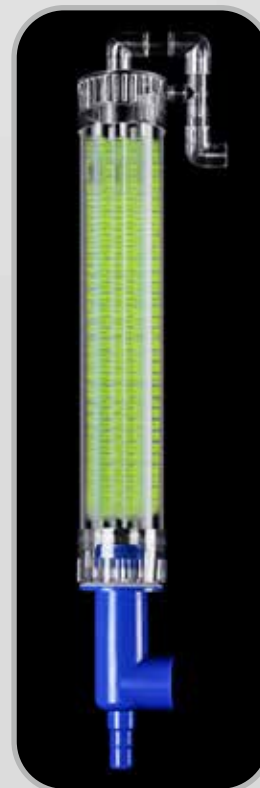


## Instruction of use


- 1.Used in overflow chamber in aquarium to reduce noise of water;
- 2.Simply wash before using.
- 3.Maintenance regularly according to different feeding habits.



Quiet brush greatly REDUCES noise from running water.



Brushes use in overflow

Article	Size		Packing	Package Size	G.W/CTN	Picture
Quiet Filter Brush w/h hook for Aquarium Inlet Pipe Dia 3.6cm X50/60/70cm	50cm	MT122050	3PCS/BAG, 85BAGS/CTN	52×52×58CM	10kg	
	60cm	MT122060		52×52×68CM	11.5kg	
	70cm	MT122070		52×52×78CM	13.1kg	
Quiet Filter Brush for Aquarium Inlet Pipe Dia 2-2.5cm X50/60/70cm	50cm	MT118050	5PCS/BAG, 100BAGS/CTN	52×52×58CM	15.2kg	
	60cm	MT118060		52×52×68CM	17.8kg	
	70cm	MT118070		52×52×78CM	20kg	





**MARINE**



**Marine Water**



# Lotus Root Bacteria House III

3<sup>rd</sup>  
generation

BIO



Aquarium

PH

8.5~9.0



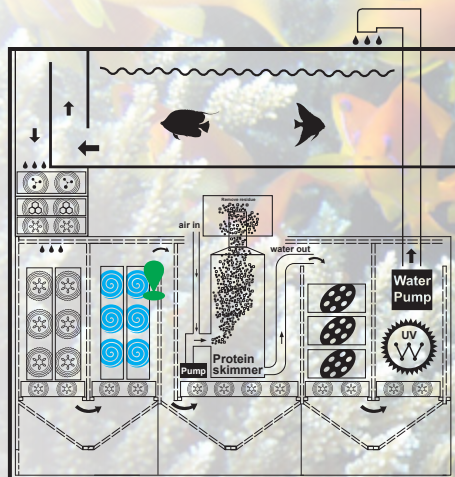
700~900 pcs/cm<sup>3</sup>



6618m<sup>2</sup>/L  
2,017,431.04 sq ft/cu ft (MTFH205)

- Keeps Water And Microbes Active
- Lotus Root 3d Structure

Positioned in Aquarium filter of Bacteria House for Marine Water



- Filter Brush
- Nitro Ring
- 3D filter pad
- Spiral Filter Mat
- Mineral Ring
- MT Sponge
- Bacteria House
- UV Light

## Functions:

Special lotus root and nano pores provide ultimate environment for nitrobacteria to grow, thus enhance their performance in dealing with harmful nitrate and nitrite.

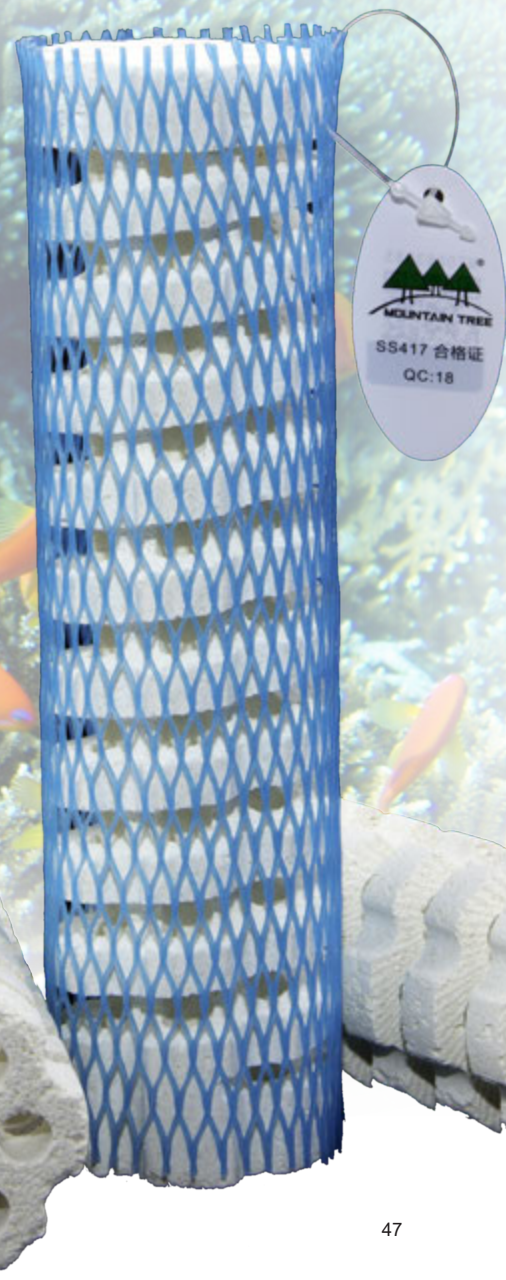


**Lower silicate formula** is friendly to coral, fish and other marine life, prevents brown algae:

**Mountain Tree Marine ceramic products typically serve as functional filter media.**

1. Comply with EU RoHS test;
2. Offer large surface area for beneficial bacteria cultivation;
3. Features porous and rough rocky surface, aid water flow-through;
4. Low silicate formula prevents algae booming, starts an aquarium quickly.
5. Releases far infrared rays and negative ions which kill pathogenic bacteria and improves microbes' metabolism.
6. Rich in trace elements such as Na Mg, Ca, Sr, etc. boost growth of coral;
7. Contain Mg & Ca ions which keeps pH stable.
8. Contains Al<sub>2</sub>O<sub>3</sub> up to apx. 48% which regulates pH in two ways.

Article	Article No.	Size/Packing	Package Size	G.W/CTN	Picture
Marine Water Lotus Root Bacteria House III (S)	MTFH205	Dia4×16.5CM 24PCS/BOX, 4BOXES/CTN	43×31.5×38.5CM	14kg	
Marine Water Lotus Root Spiral Bacteria House III (L)	MTFH207	Dia8×25CM 1PC/BOX, 12BOXES/CTN	34.5×26×27.5CM	9kg	







# Lotus Root Nitro Ring II

Marine Water



**PH**  
8.2~8.5



- Builds a Complete & Healthy Micro System
- Maximizes Filter Space



It is recommended that Nitro Ring II is utilized in this chamber for canister filters.

- Rough surface**  
Texture can help nitrifying bacteria attach and grow, thus greatly accelerating the establishment of nitrification system.
- Lotus root structure**  
Helps water to carry nitrite and nitrate into the nitro ring for efficient denitrification reaction, and provide anaerobic bacteria space to culture in the micropores within the nitro ring.
- Oblique section**  
Super filter space efficient, and the beveled shape which can disrupt the flow of water and prolong the flow of water inside nitro ring, thus to improve the filtration efficiency.
- Micro hole**  
Sintered by extreme high temperature with hole blust throughly, featured fine pores which support cultivation of nitrifying bacteria. The internal micropores are decomposing  $\text{NO}_3$  into nitrogen and oxygen through denitrification.
- 5580m<sup>2</sup>/L 1,701,007.13 sq ft/cu ft**  
Applying ceramic filter media, the larger surface area, the better performance in biochemical filtration. Nitro ring's premium micro hole forms a large surface area for bacteria to colonize.
- Water absorption**  
The higher the water absorption rate of the ceramic ring, the better the continuity of the internal micropore structure inside the ceramic ring. The consistency of the internal pores determines the efficiency of the water flow to bring  $\text{NO}_3$  into the ceramic ring for anaerobic denitrification. Nitro ring with superior water absorption and water absorption speed.

Size=45X28X20mm

size=33X18X14mm

Article	Article No.	Size/Packing	Package Size	G.W/CTN	Picture
Marine water Lotus Root Nitro Ring II 1L 30×20mm	MTFH202	30×20MM 1L/BOX 12BOXES/CTN	32.5×27.5×23CM	10kg	
Marine water Lotus Root Nitro Ring II 5L 50×30mm	MTFH203	50×30MM 5L/BOX 4BOXES/CTN	40×26.5×24CM	11.5kg	
Marine water Lotus Root Nitro Ring II 20L 50×30mm	MTFH204	50×30MM 20L/CTN	30×30×22.5CM	10.5kg	



# Technical Data

Item	Item No.:	Photo	Surface Area (m <sup>2</sup> /pc) Surface Area(m <sup>2</sup> /L)	Open Porosity (%)	Absorption rate(%)	PH	TDS (ppm)	P04 (ppm)	KH	Ion data (pcs/cm <sup>3</sup> )
Spiral Bacteria House I	MT217		500 2488	52.1	55-60	7.2	10-15	0	2	100
Lotus Root Spiral Bacteria House II (S)	MTF207		1130 5623	70.5	60-80	7.2	20-30	0	3	400
Lotus Root Spiral Bacteria House III (S)	MTF217		1130 6618	71.29	63-80	6.8-7.2	25-30	0	1	1250
Lotus Root Spiral Bacteria House II (L)	MTF208		5404 4303	70.5	60-80	7.2	20-30	0	1	400
Lotus Root Spiral Bacteria House III (L)	MTF218 MTF219		6650 5292	71.29	63-80	6.8-7.2	25-30	0	1	1250
Lotus Root Spiral Bacteria House III (S) Marine	MTFH205		1330 6618	71.36	65-80	8.0-8.4	30-35	0	3	1300
Lotus Root Spiral Bacteria House III (L) Marine	MTFH207		6650 5295	71.36	65-80	8.0-8.4	30-35	0	3	1300
Lotus Root Nitro Ring II	MTF209 MTF210 MTF211		NA 5700	70.2	60-75	7.2	15-25	0	3	300
Lotus Root Nitro Ring II Marine	MTFH202 MTFH203 MTFH204		NA 5580	70.2	60-75	8.0-8.4	20-30	0	2	800-900
Nitro Ring I	MTF213 MTF215		NA 1150	~60.5	45-60	7.2	10-15	0	1	80-100
Maifan Ring	MTF214 MTF216		NA 500	~45.2	45-60	7.2	20-35	1	2	80-100
Mini Ring	MTF212		NA 1050	~58	45-60	7.0-7.5	10-15	0	1	30-60



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