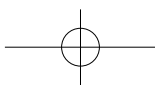
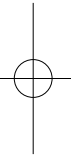
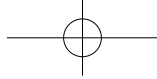



AQUARIO

The logo for AQUARIO, featuring a stylized blue icon of three dots above the word "AQUARIO" in a bold, blue, sans-serif font.



Concept of neo Brand

NATURAL !!

Chemical compositions are excluded as much as they can be.
And it goes well with provision of nature.

EASY !!

Easy to use. Reasonable price.

OPTIMAL SOLUTION !!

Best quality. Optimal solution!

NEO MEDIA

NEO DIFFUSER

NEO FLOW

UNIT

SOIL

NEO CO2

NEO FERTILIZER

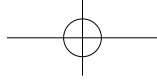
Currently, Aquario is exporting to 33 countries.

Even in the new year, Aquario will always pursue innovation itself and launch several new products.



We are very happy to share with you the following about new products and various support measures.

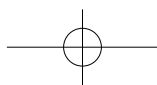


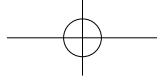


neo^{•••} Media

neo Media Premium is the world's highest quality filter media
made by complementing the disadvantages of existing filter media.

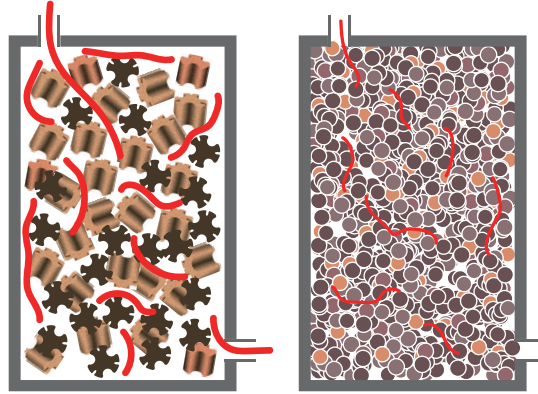
Neo Media Premium is manufactured at high temperature using
natural materials produced in Korea.





Over time, irregularly shaped and ball-shaped filter media accumulates sludge. As a result, the water flow is drastically reduced and thus the filtration capacity is significantly reduced.

Neo-media is the overwhelming surface area of micropores that can inhabit bacteria. Besides that, Neo Media is the world's only TRILOBE-type filter medium, so the water flow is very good even with the passage of time.

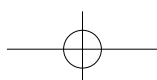


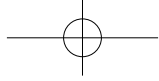
Common Features of All New neo Diffuser

1. Surface area : about 3,200 m²/liter

The filter medium must provide a large space for a variety of bacteria to live. This is because the filtration space is limited and the filtration efficiency must be maximized in the limited space. The number of bacteria that can be cultured is proportional to the area.

Inside: optimized for large numbers of bacterial cultures





2. Various sizes of pore

Pores of various sizes provide a space for a variety of bacteria to live, and these bacteria create a bacterial ecosystem inside the filter media.

The bacterial ecosystem built inside Neo Media Premium keeps the filtration cycle stable.

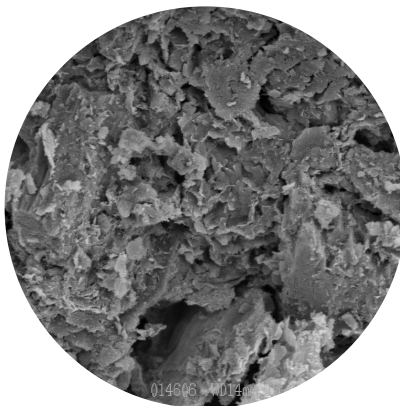


| | Premium neo media | Ball type filter media | Ring type filter media |
|---|----------------------------|---------------------------|---------------------------|
| Distance from surface to center of filter media | 2~2.2mm | 4~5mm | 1.4~1.5mm |
| Pore surface area | 3200 m ² /Liter | 500 m ² /Liter | 270 m ² /Liter |

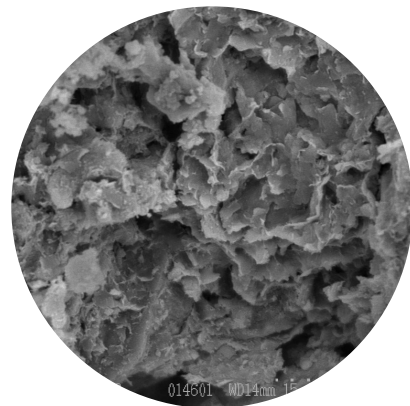
Surface area : about 3,200 m²/liter



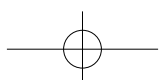
x300

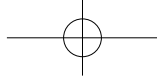


x1000



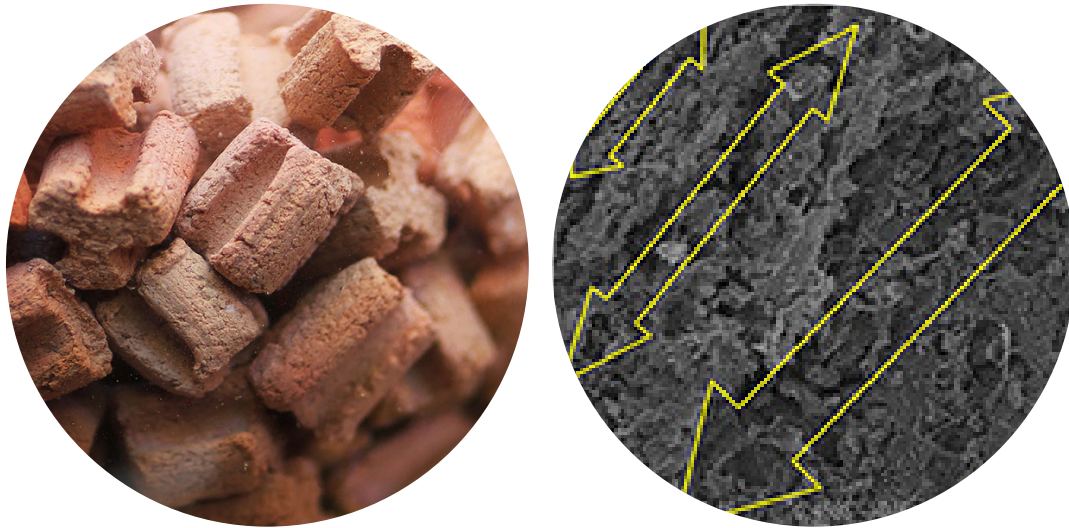
x2000





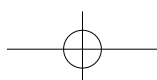
3. Smooth flow of water

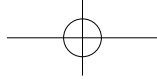
Based on the technology of Aquario, we created a fine but unobstructed pore inside of Neo Media Premium. This allows the water to flow smoothly into the deep interior of the filter media and provide sufficient nutrients and oxygen to the nitro bacteria.



4. Strength

If the strength of the filter media is low, the filtration efficiency is low and the period of use of the filter media is short. On the other hand, Neo Media Premium are manufactured at high temperatures to maintain adequate strength.





5. 5 step manufacturing process

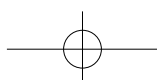
1. mixture
2. Primary molding
3. Secondary molding
4. Drying Process
5. High-temperature processing

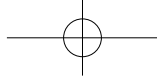
It was kept at a certain temperature for a long time to uniformize the quality of the pores.



6. Pellets that promotes nitrified bacteria

The pellets enclosed in this product provide the ingredients required for the reproduction of nitrifying bacteria upon contact with water, ultimately facilitating the rapid reproduction of nitrifying bacteria.





More fine pores than before

While many existing filter media create pores with gases from a chemical reaction between calcium carbonate and acidic substances, Neo Media creates pores by baking it like a ceramic bowl at very high temperatures.

Neo Media became lighter through major process improvement. The lighter weight of the filter medium means that it has more pores compared to existing products.



With minerals produced in Korea
(100% made in Korea)



At Aquario factory directly
(not outsourced production)



By electric kiln
(precise temperature control)



Neo Media is manufactured by baking over 10 hours.



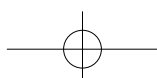
neo
MEDIA
SOFT



neo
MEDIA
PURE



neo
MEDIA
HARD

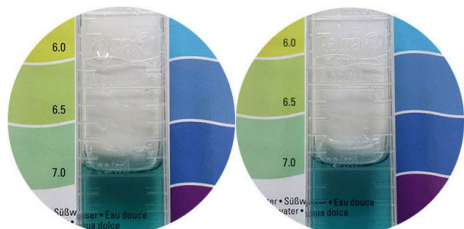


Three pH types : SOFT, PURE, HARD

Neo Media Premium offers three types of slightly acid, neutral pH and alkali, so it can be selected according to the tank environment.

PURE : not affecting pH

MEDIA PURE 1liter : water 10 liter
after 3 days

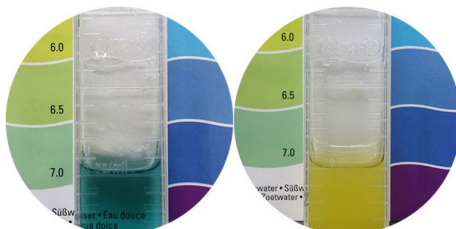


water for test

Neo Media Premium PURE

SOFT : slightly acid

MEDIA SOFT 1liter : water 10 liter
after 20 days

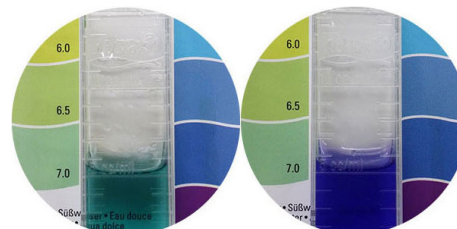


water for test

result

HARD : alkali

MEDIA HARD 1liter : water 1liter
after 20 days



water for test

Neo Media Premium HARD

(The above test may vary slightly depending on the GH, KH of the water)

The above test may vary slightly depending on the GH, KH of the water)

(The above test may vary slightly depending on the GH, KH of the water)

Most of the filter media on sales have alkaline properties.

However, Neo Media Premium PURE is a true neutral filter material and has little effect on pH.

Therefore, Neo Media Premium PURE does not raise the pH of a slightly acidic fish tank, and does not lower the pH of a slightly alkaline fish tank.

It is suitable for all fish tanks such as aquatic plants, shrimp, South American fish, cichlid fish, seawater, and coral

Most of the filter media on sales have alkaline properties.

In this case, the filter media itself can raise the pH in the fish tank.

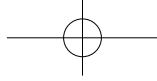
however, Neo Media Premium SOFT has its own slight acidity.

Therefore, it is effective for slight acidic water that grows aquatic plants, shrimp, South American fish species.

Neo Media Premium HARD has the alkaline nature of the product itself.

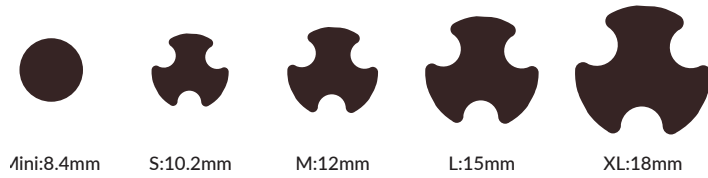
Because it does not lower pH, it is effective in alkaline environments such as cichlids, tanganyica, sea fish, and coral.



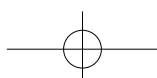
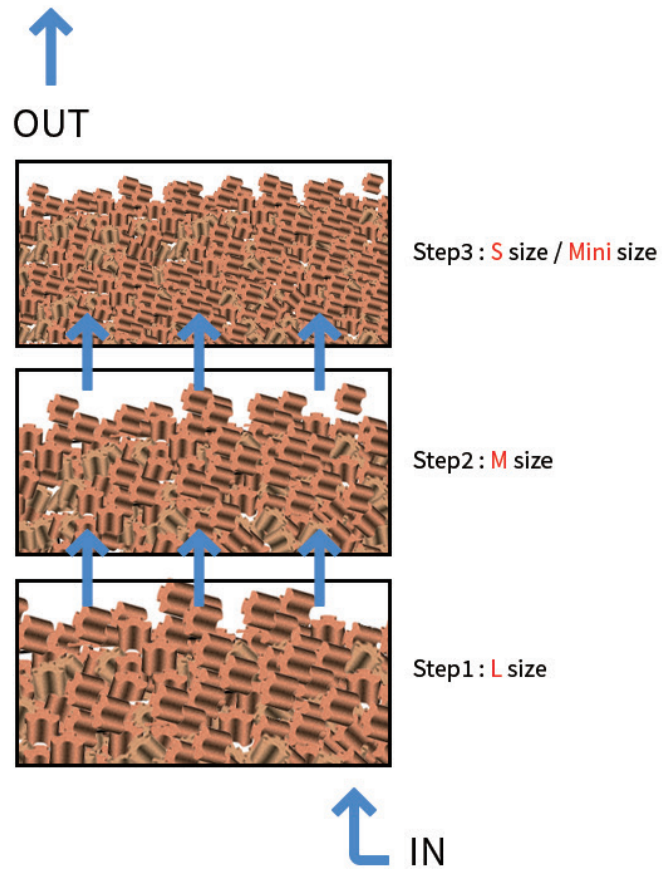


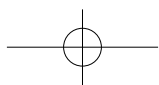
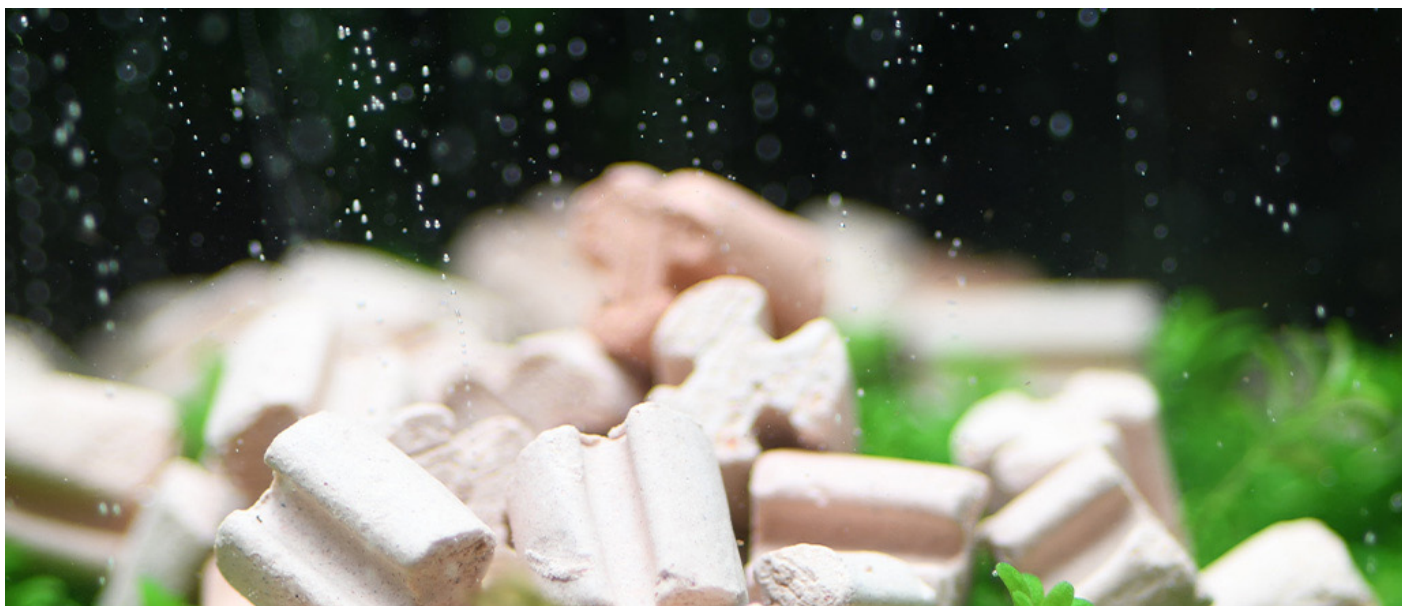
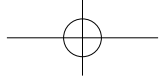
The larger the size, the better the water flow, but the smaller the size, the greater the surface area per liter that bacteria can live on. Therefore, a large size is suitable for the beginning of the water flow and a small size for the last stage of the water flow.

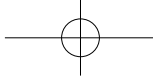
Detailed information for each model follows.



Actual usage example

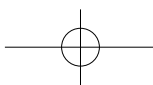


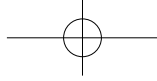




Usage and precautions

- ※ Due to the nature of the manufacturing process, the size, shape and color of the filter media may not be uniform.
 - ※ Please rinse with running water 2-3 times.
 - ※ if you wash excessively, dust can be generated
- ※ The pH action of the Neo Media Premium is affected by the water used and the objects inside the tank.
 - ※ Filter media require periodic cleaning.
- ※ Due to the use of natural materials, shape and size may not be constant.
 - ※ Keep out of reach of children.

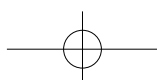


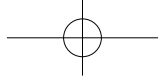


neo DIFFUSER

Finest bubbles in the world

All New Neo Diffusers have been exported
to 34 companies in 33 countries around the world
since production in October 2019. (As of 25 Jan 2022)





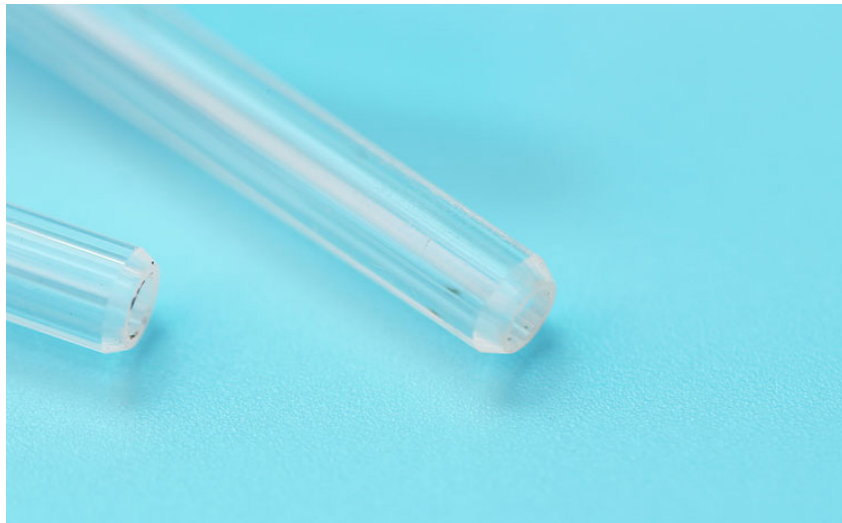
Common Features of All New neo Diffuser

1. Finest bubbles in the world

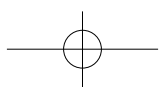


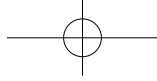
2. PC pipe, stronger than acrylic

3. Chamfer for convenience



4. Optimal ratio and beautiful design





Product size

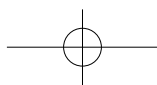
TINY S M L

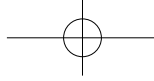


Product Type

Normal Type

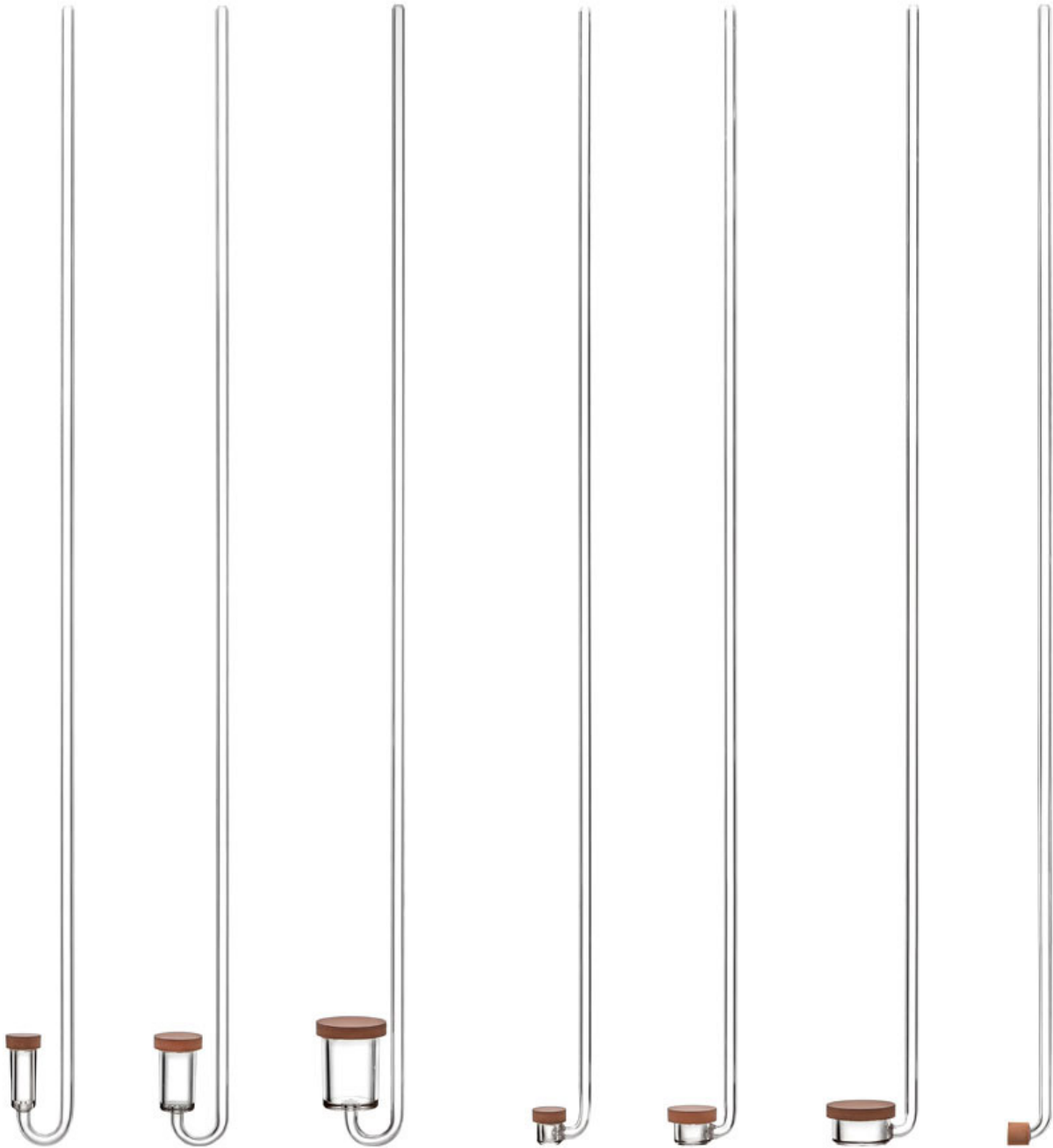
Components: 2 suction cups





Extend Type (Bendable for tank)

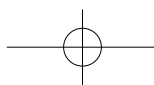
Components: 2 suction cups 2 practice pipes. Rubber for bending

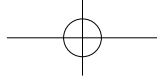


EXTEND ORIGINAL
S, M, L

EXTEND SPECIAL
S, M, L

EXTEND TINY





Curved Type

Length : SS : 15cm / TINY : 23cm / S : 23cm / M : 28cm / L : 34cm

Width of clip : SS : 6mm / Tiny,S,M : 9mm / L : 13mm

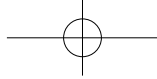


CURVED ORIGINAL
S, M, L

CURVED SPECIAL
S, M, L

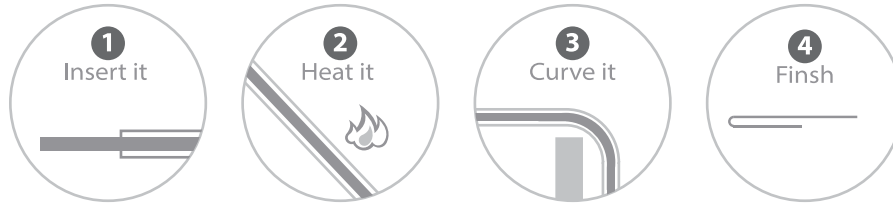
CURVED TINY
Normal, SS





How to bend for extend type

1. Insert rubber cord into the pipe
2. Heat by turning the pipe to the width of 1 ~ 2cm of the bending point
3. Bend the pipe as you like against the top of tank
4. Remove the rubber after 20 seconds setting



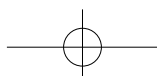
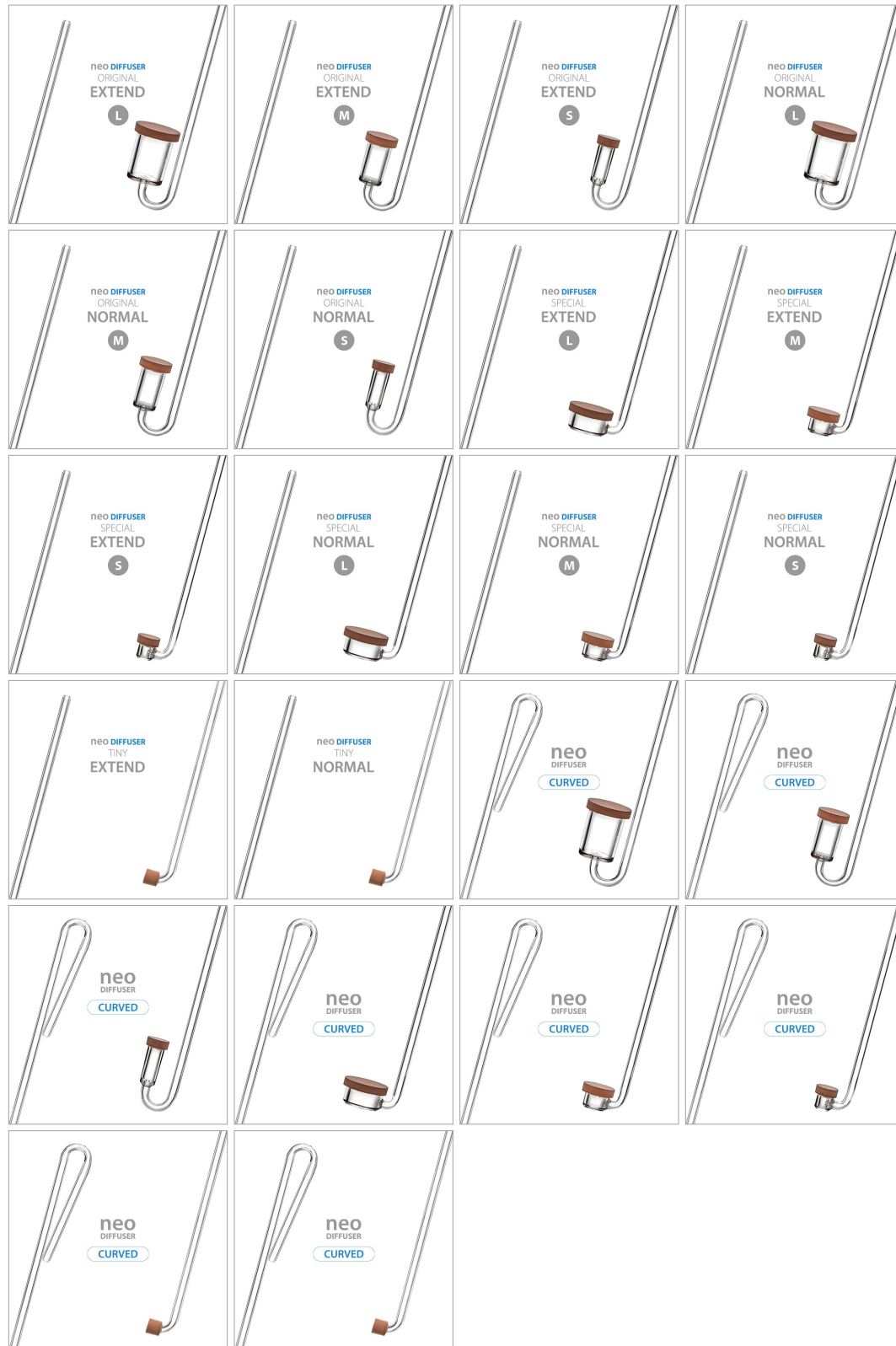
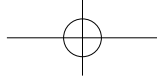
Intellectual Property Protection

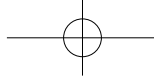
All New Neo Diffusers are being protected worldwide because they have completed Korean patent registration and are pending for international patent.



Quality recognized worldwide

All New Neo Diffusers have been exported to 34 companies in 33 countries around the world since production in October 2019. (As of 25 Jan 2022)





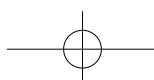
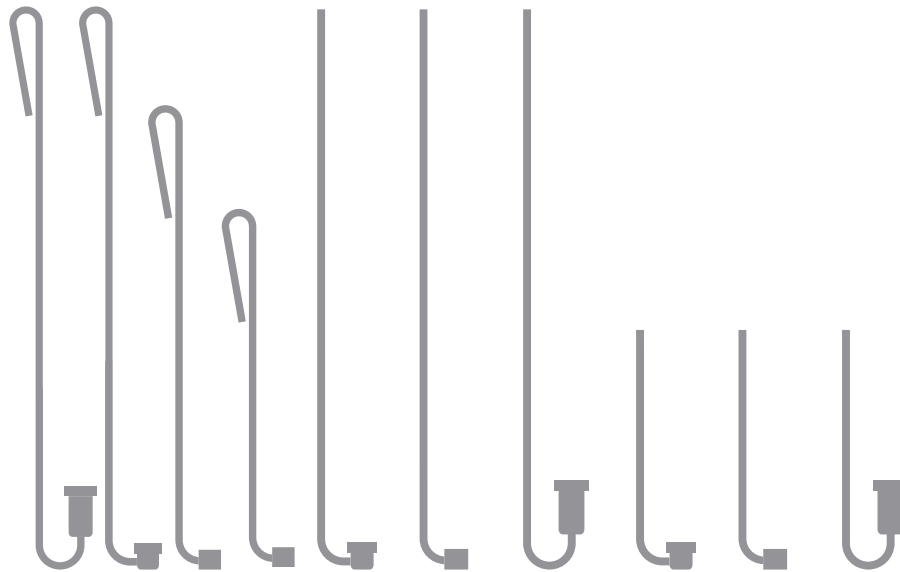
Common precaution

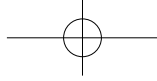
- ※ For finer bubbles, put it in water for 10 minute before use.
- ※ If the bubble become bigger, put diffuser in bleach for 5 minute. After that, remove the bleach and use it.
- ※ Keep out of reach of children and pet.



Precaution for extend type

- ※ Be careful of fire or burns during bending
- ※ Heating the fire to only one point can cause incomplete results
- ※ Once bended or heated, there is no return or compensation.
- ※ If the pipe is deformed once, it may be damaged by applying force or reheating.

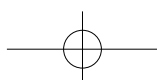
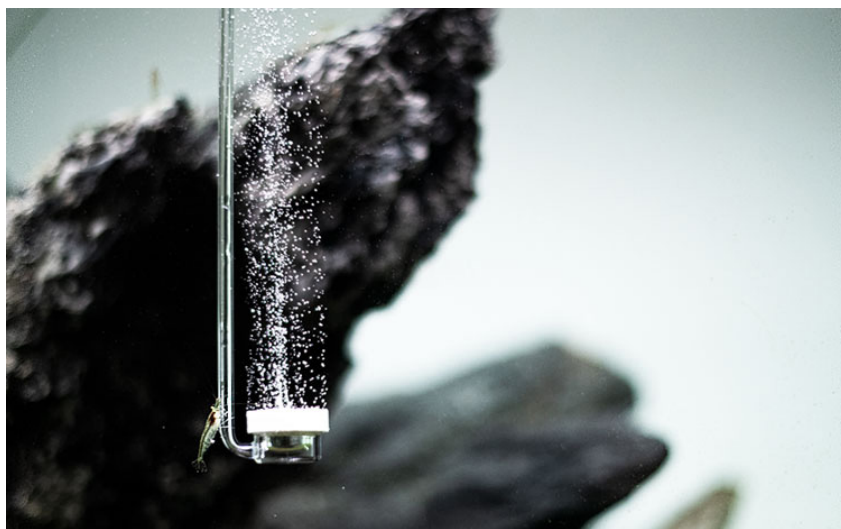


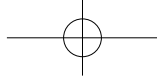


neo DIFFUSER air

Finest bubbles in the world

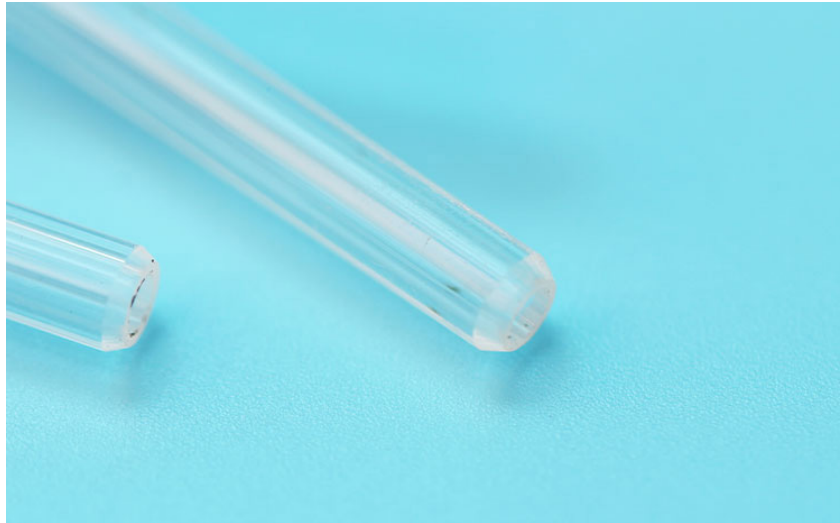
All New Neo Diffusers have been exported
to 34 companies in 33 countries around the world
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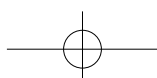
Common Features of All New neo Diffuser AIR

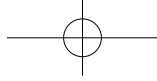
Chamfer for convenience



Product size

(M) (L)

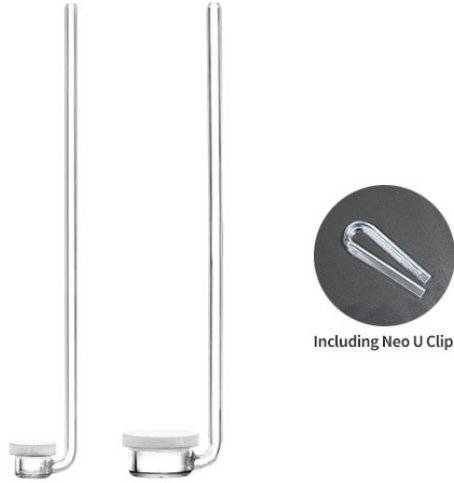




Product Type

Normal Type

Components: 2 suction cups, Neo U Clip

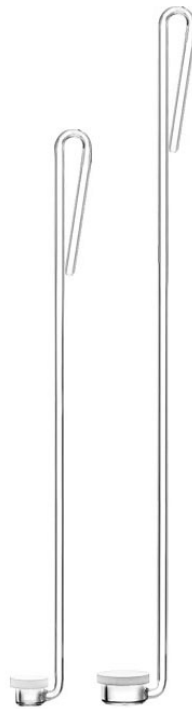


Including Neo U Clip

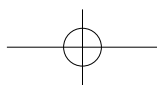
NORMAL SPECIAL
M, L

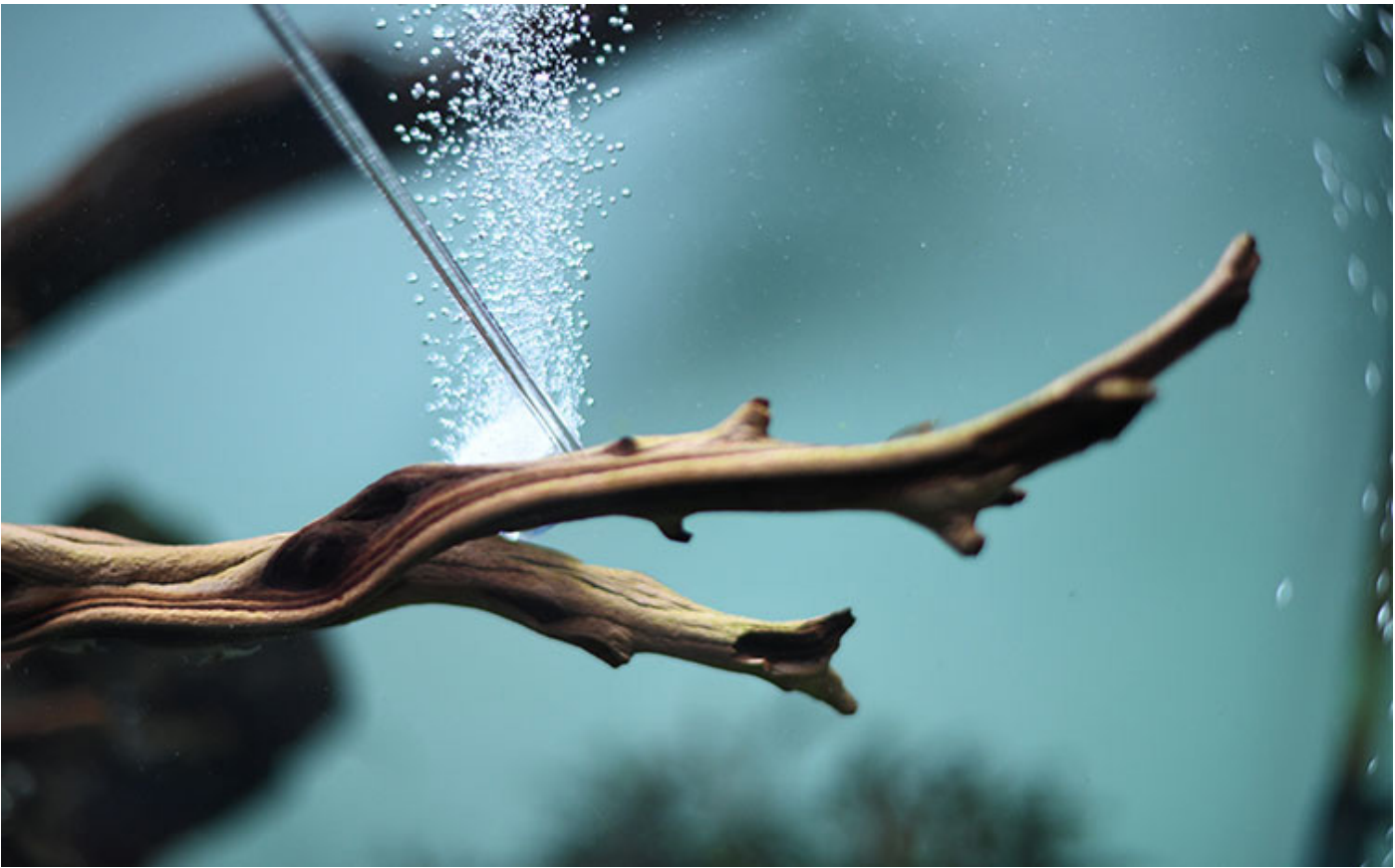
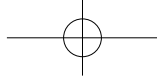
Curved Type

Length : M : 28cm / L : 34cm
Width of clip : M : 9mm / L : 13mm



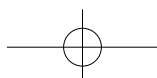
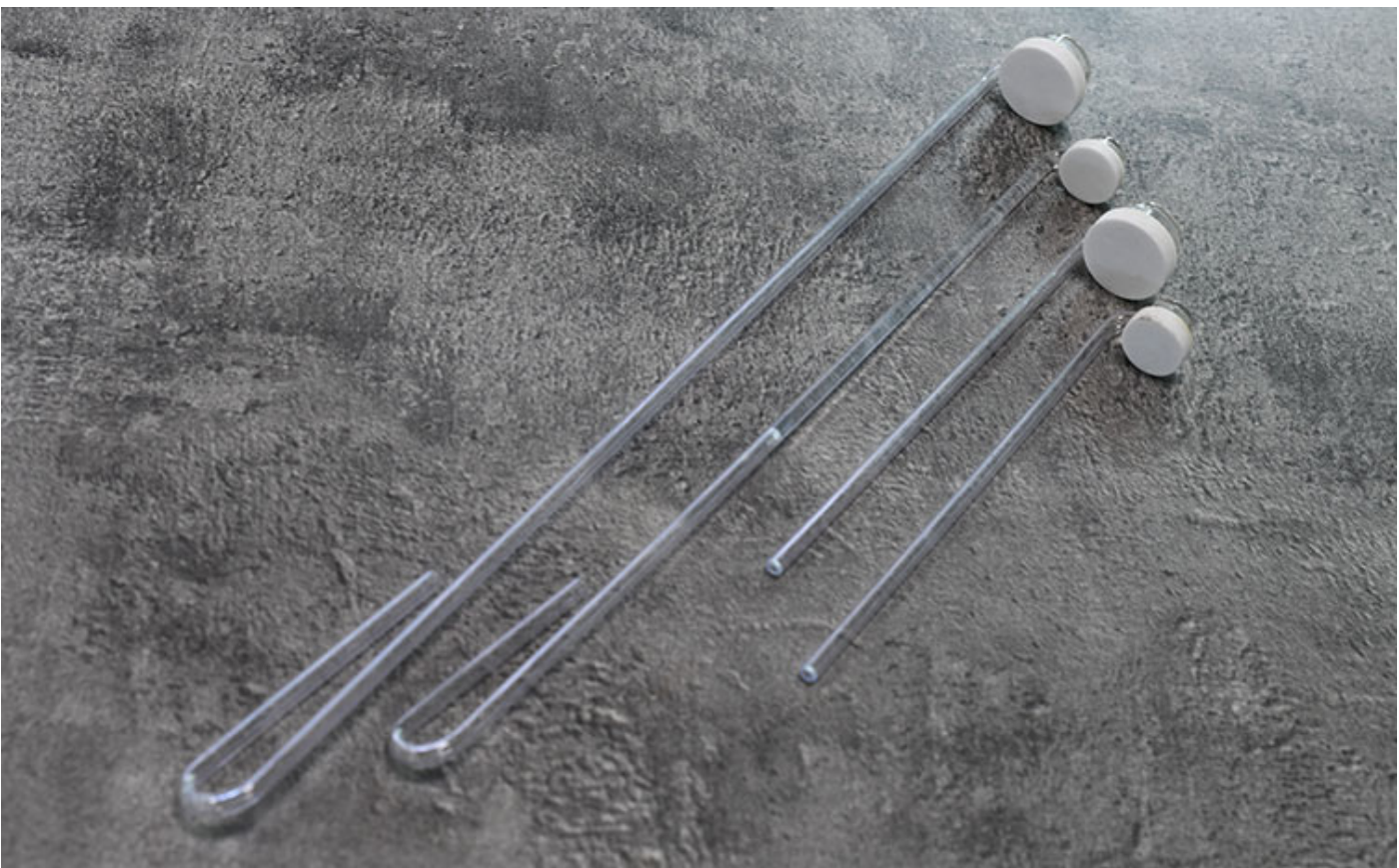
CURVED SPECIAL
M, L

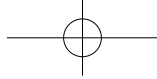




Common precaution

- ※ For finer bubbles, put it in water for 10 minute before use.
- ※ If the bubble become bigger, put diffuser in bleach for 5 minute. After that, remove the bleach and use it.
- ※ Keep out of reach of children and pet.

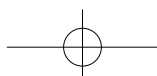


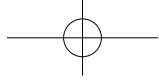


neo FLOW

PREMIUM

Neo Flow is a set of inlet and outlet with a transparent, high elasticity and compact design.





Main feature of Neo FLOW

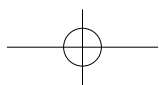
1. Not easily broken and transparent flow set

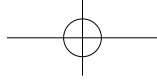
Neo Flow is made of PETG, not glass, and is also stronger than acrylic. Unlike colored plastics or stainless materials, it has excellent transparency.



2. Elasticity

Unlike glass, colored plastic, and stainless steel products, Neo Flow has superior elasticity than acrylic.





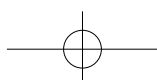
3. Compact design

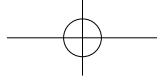
Neo Flow is more compact design using the latest manufacturing method than other products.



4. Easy cleaning

Unlike stainless and glass products, cleaning is easier because the inlet and outlet parts are separated from the pipe.





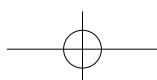
5. Easy pipe cutting

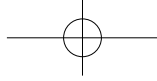
Also, unlike stainless steel and glass products, it is easily cut with a small saw as well as pipe scissors. In other words, consumers can optimally adjust the length to fit the size of their tank.



6. Change of water flow direction

Since the parts of the outlet are rotated 360 degrees, it is free to change the direction of the water flow unlike glass products.





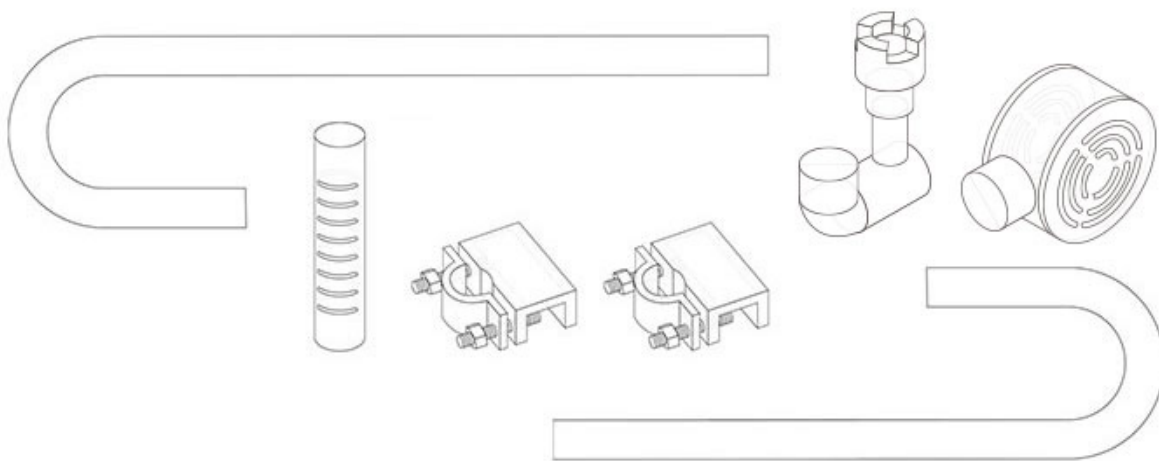
7. The radius of curvature is small.

Compared to other products, the radius of curvature is small, so it is installed more closely to the glass.



Neo Flow Nomal Set Components:

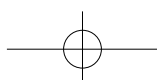
Neo Flow, Neo Holder 2 sets, Neo Skimmer, Neo Reliever

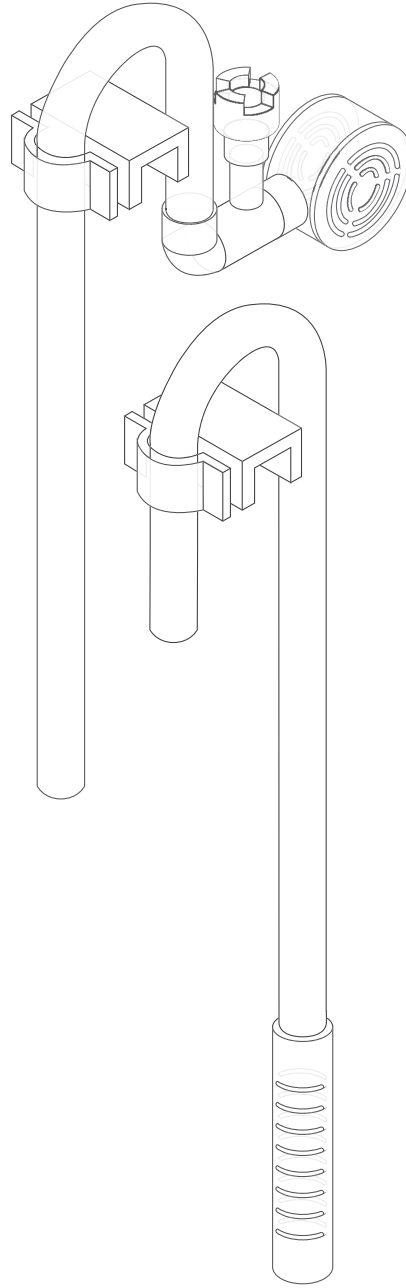
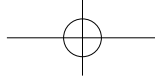


* Product specification

M: pipe diameter 13 mm / L: pipe diameter 17 mm

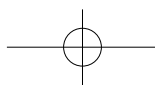
※ Material: PETG, Acrylic (Neo Holder), Polycarbonate (Neo Holder)

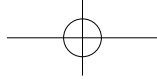




Caution

- ※ Keep out of reach of children and pet
- ※ Use for Aquarium
- ※ Unnecessary force can break products
- ※ Due to the nature of the material, there may be some scratches and may occur newly during use.
- ※ It is slightly cloudy before contact with water, but it becomes transparent when the water flows.
- ※ Transparency may decrease over time, depending on water quality.





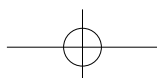
neo

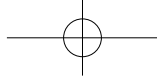
SKIMMER

Neo Skimmer offers the best oil film removal capability with minimal design.

Principle of oil film removal

The oil film that has passed through the Neo Skimmer is crushed very finely and loses its flotation. Eventually, it enters the inlet of various filters and is biologically decomposed.





Why not?? Change it!!

1. It doesn't take up space.

The largest product, L size, is only 4 cm wide and 4.5 cm high.

2. It connects to not inlet, but the outlet.

3. It don't need electricity.

Based on Bernoulli's principle, it uses the correlation between flow velocity and pressure.

4. It doesn't trap creatures

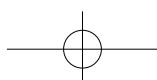
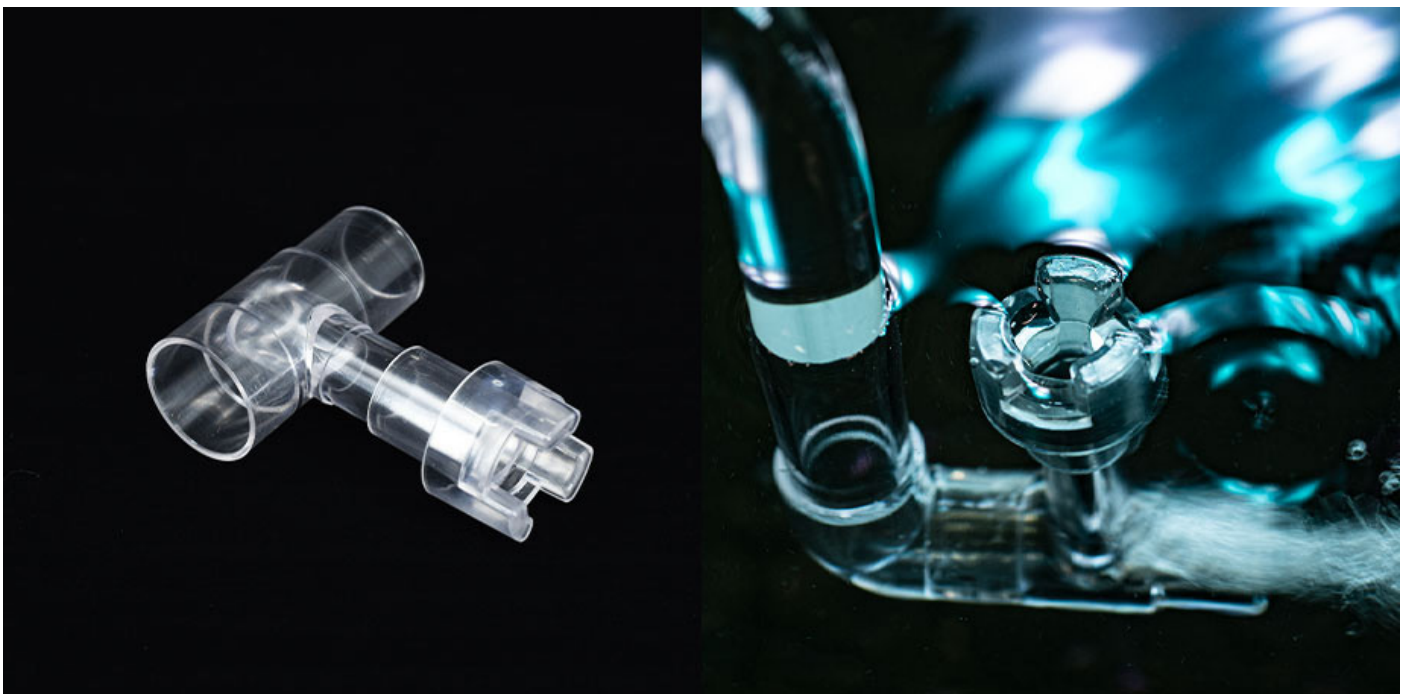
Since it is located at the outlet, any creature that enters the skimmer is immediately discharged.

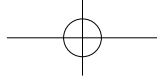
5. It's easy to adjust

The ability to remove the film can be adjusted by moving the part up and down and rotating the left and right sides.

6. Aeration is possible.

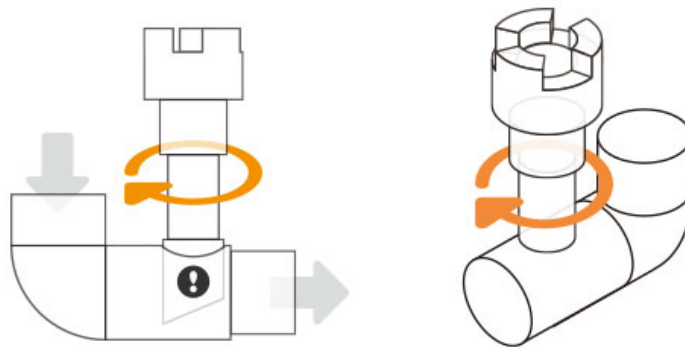
Aeration is possible when setting high level





How to use

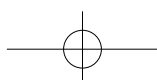
Do not set the cutting surface in the opposite direction of the water exit. Insert the vertical part deeply and adjust the oil film removal ability by turning the vertical part left and right.

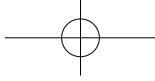


If the skimmer is exposed outside the water by keeping the water level low, cut the long side of the pipe and connect it with the skimmer.

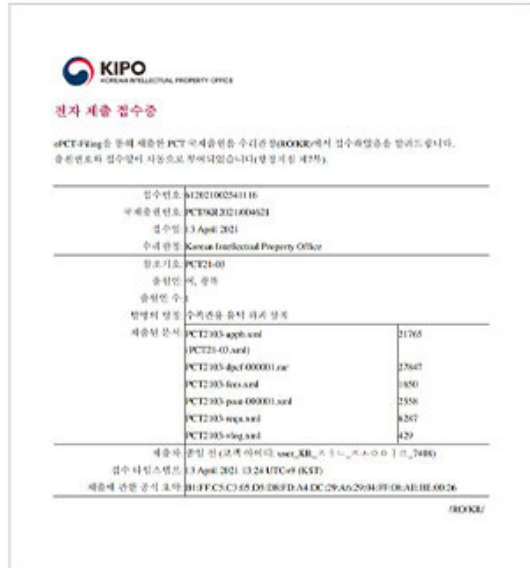


Material: Acrylic, polycarbonate





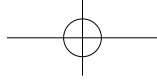
International patent pending



Caution

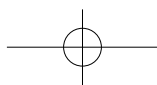
- ※ Keep out of reach of children and pet
- ※ Use for Aquarium
- ※ Unnecessary force can break products

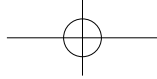
※ Transparency may decrease over time, depending on water quality.



neo RELIEVER

With its minimalist design, Neo Relievers can freely adjust the flow velocity and direction of the shoe.





Why not?? Change it!!

1. Minimal size

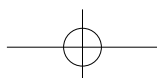
Neo reliver has a diameter of 40mm and a thickness of 22mm(M) and 26mm(L).

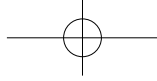
2. Perfect flow rate reduction

Even when used without a wing, it lowers the flow velocity, but when equipped with a wing it is completely reduced.

3. Free flow direction change

You can freely change the direction of the water flow by using only one of the wings or by rotating the product.





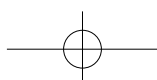
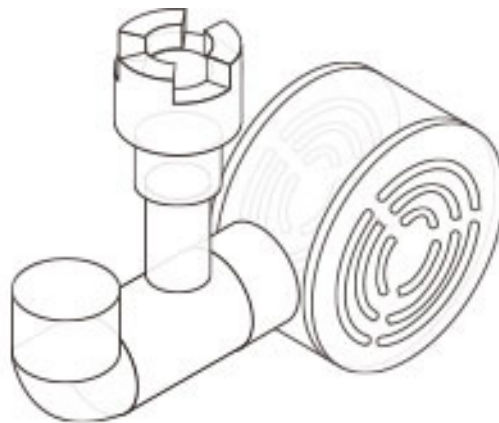
Water flow can be customized

The water flow varies depending on the number of wings installed or the degree of insertion.
If only one wing is mounted, the water flow is formed in one direction.



Compatible with Neo Skimmer

Neo skimmer and reliever are connected and can be used at the same time.



Neo Relievers are pending international patents



Components

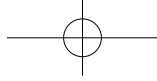
1 main body 2 wings 1 connecting part
 Inner diameter M about 13mm L about 17mm
 Material: PETG



Caution

- ※ Keep out of reach of children and pet
- ※ Use for Aquarium
- ※ Unnecessary force can break products

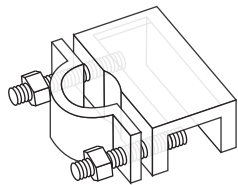
※ Transparency may decrease over time, depending on water quality.



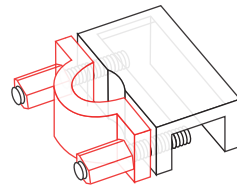
neo HOLDER

VER.2

The purpose is a part that mounts the inlet and outlet pipes of an external filter,
and the product name is neo Holder.



Ver.1



Ver.2

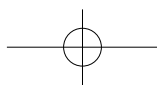
We are very happy to introduce Neo Holder Version 2, which is more durable and easier to install and use.

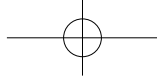
The differences from the old Neo Holder are as follows.

All materials have been replaced with PC (polycarbonate) to enhance strength, and the round parts are very thick.

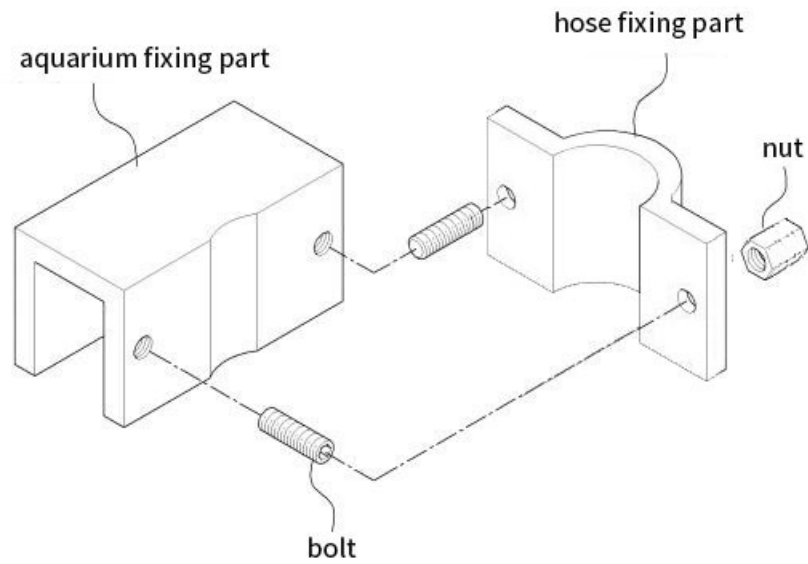
The length of the nut is three times longer for the convenience of installation and maintenance.

From now on, Neo-Flow and Neo-Flow Premium sets also come with Neo Holder Version 2 as standard.

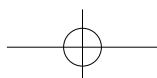
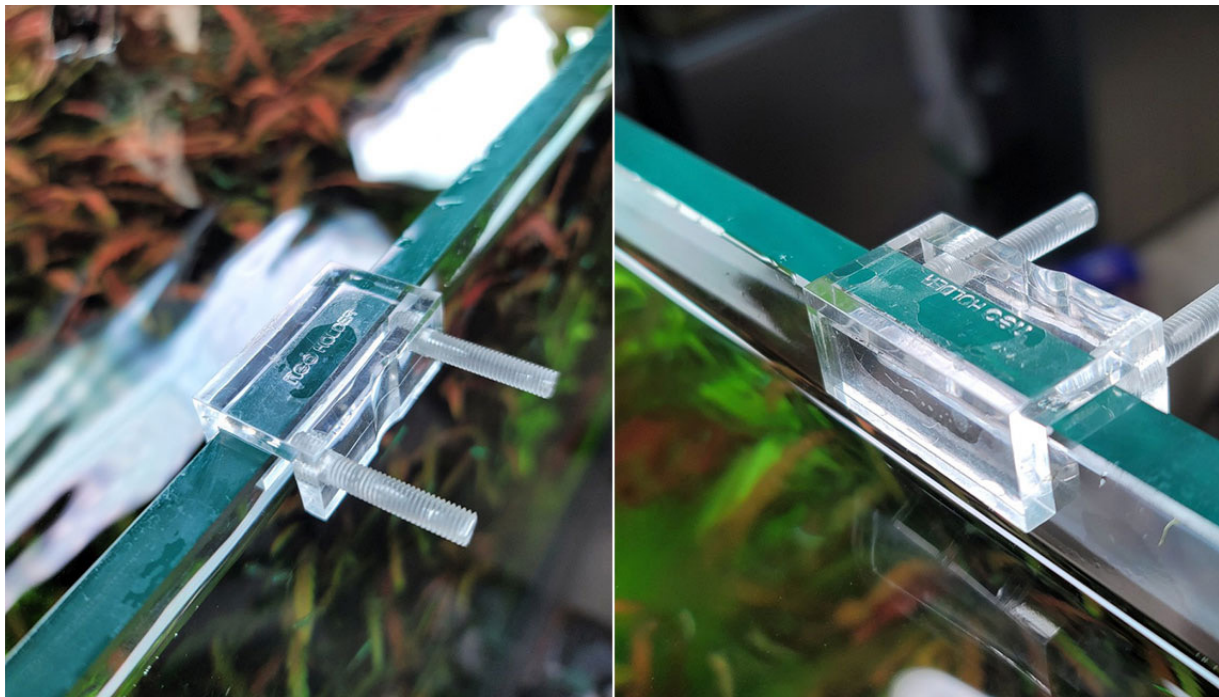


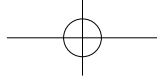


The aquarium fixing parts are fastened with bolts.
It is firmly fixed even if you turn it by hand with gloves on.
It is neatly mounted inside the aquarium without any parts such as bolts.



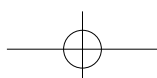
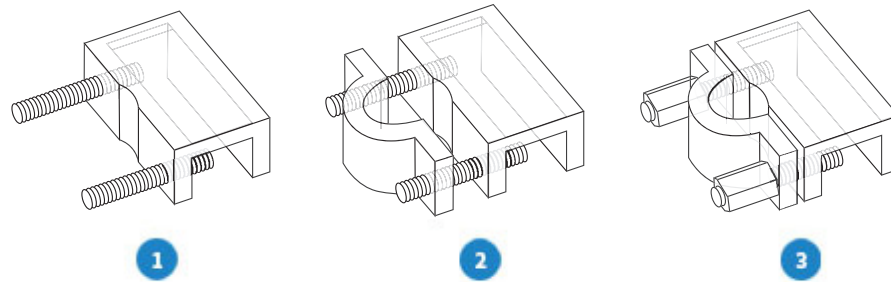
This is an image shot when it is actually installed.
The nut also holds firmly even when turned with your fingertips without a spanner.
One product can be mounted up to 12 mm thick glass
It is fixed up to ~ 18 mm diameter inlet and outlet pipes.





The order of use is as follows.

1. Screw the aquarium fixture to the glass and bolt it.
2. Put the hose fixing part on the bolt and insert the pipe.
3. Tighten the nut



International patent pending

- 1) Design registration is complete
- 2) PCT/KR2021/000655



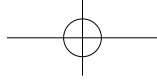
Components

Material: Acrylic, polycarbonate



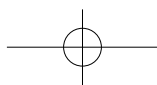
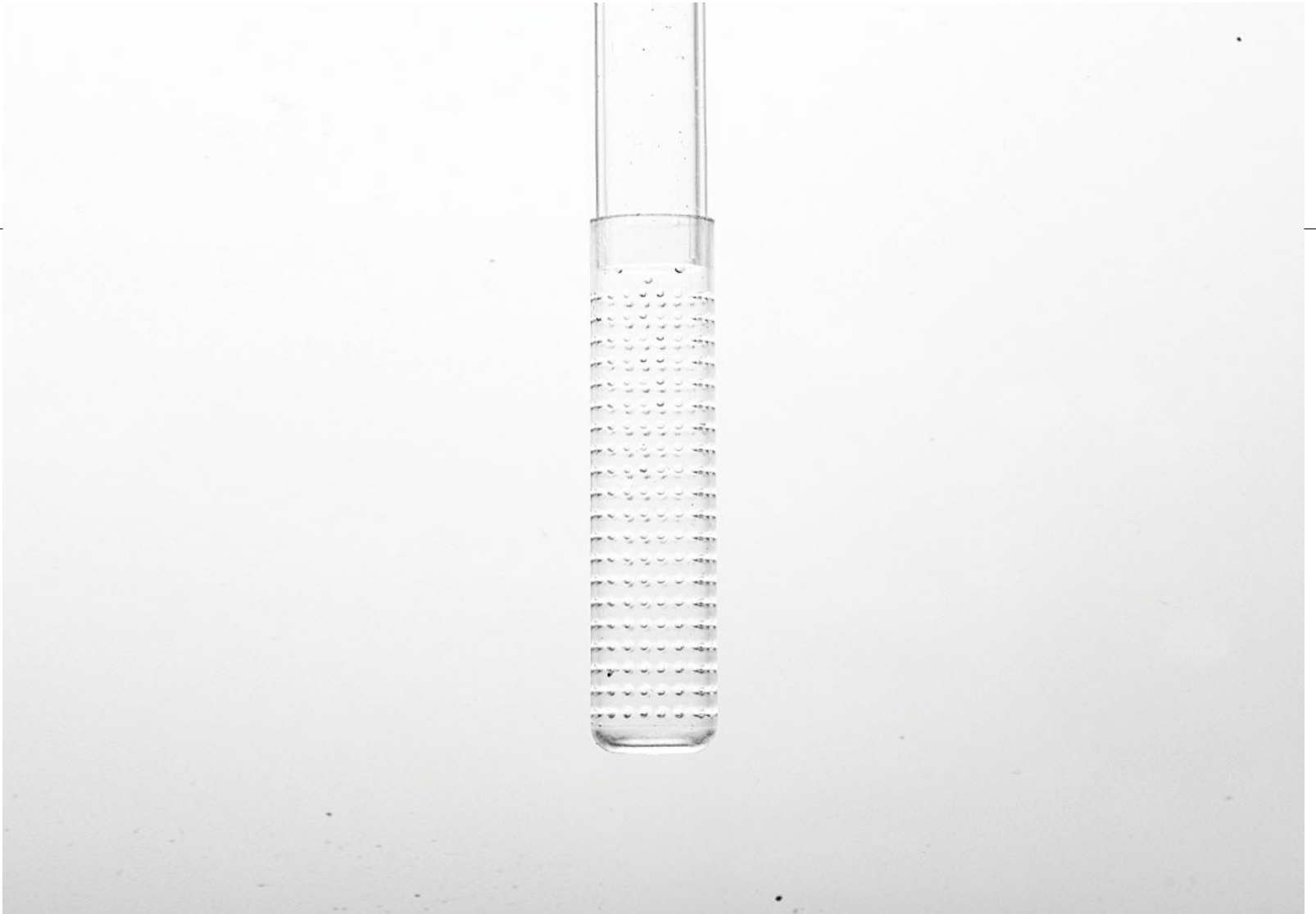
Caution

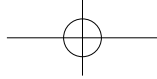
- ※ Keep out of reach of children and pet
- ※ Use for Aquarium
- ※ Unnecessary force can break products



neo INLET

Neo Inlet prevents shrimp and baby fish from being sucked into the filter.





Why not?? Change it!!

1. Transparent and unbreakable material

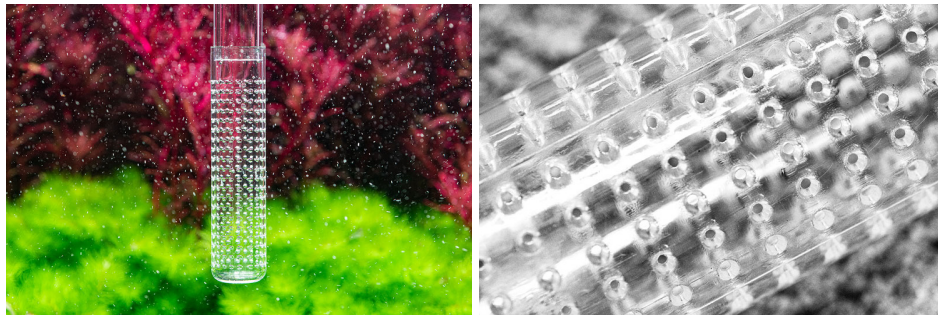
Unlike sponge and stainless inlet, it is made of transparent PETG material, so it does not spoil the aesthetics of the tank.

2. Safety net for shrimp and baby fish

400ea, 1mm holes are precisely drilled to prevent sucking of shrimp and baby fish.

3. Transparency may decrease over time.

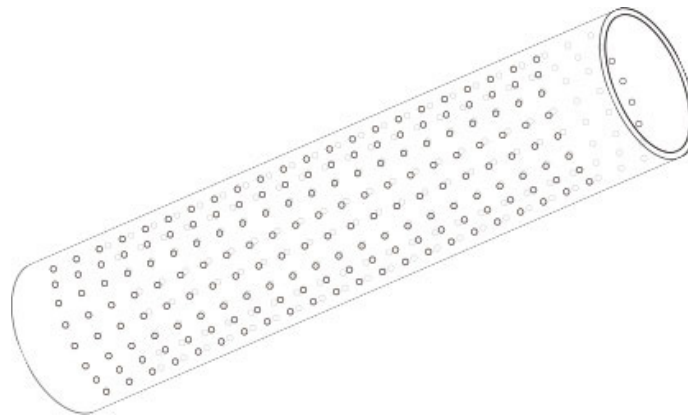
There are scratches during the manufacturing process, and more may occur in the future. Please contact the place of purchase for compatibility with other inlet ports.



Components

Inner diameter M about 13mm L about 17mm

Material: PETG



Caution

- ※ Keep out of reach of children and pet
- ※ Use for Aquarium
- ※ Unnecessary force can break products

※ Transparency may decrease over time, depending on water quality.

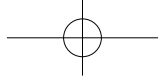
neo MIXER

In the case of other companies' in-line diffusers, the co2 dissolution efficiency is high, but the tube of the external filter has to be cut and maintenance is difficult during cleaning. We are very pleased to introduce Neo Mixer.



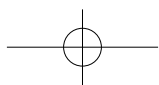
Neo Mixer is installed at the end of the outlet of the external filter, and the dissolution efficiency of Co2 bubbles of Neo Diffuser Tiny is very high because of the water flow at the outlet.

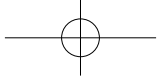
Neo tiny diffuser and round parts in the picture are all included free of charge.



Regardless of version 1 or version 2, Neo Mix is available for Neo Flow, Skimmer and Relievers.

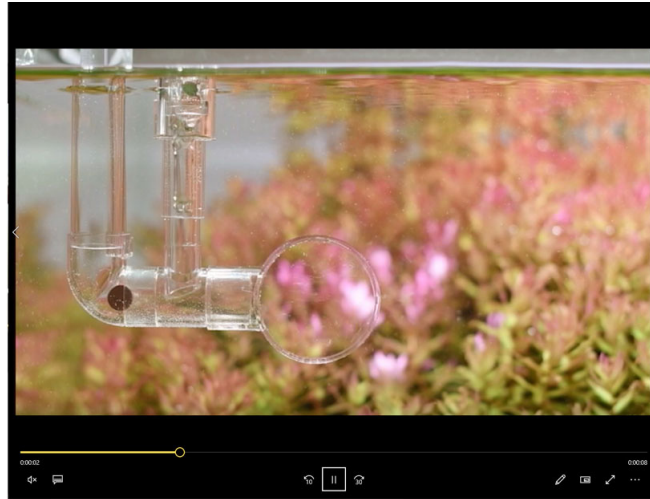
When used in conjunction with the Neo Skimmer, the Neo Mix does not downgrade the skimming ability of the Neo Skimmer at all, and the water flow changes 3 times, making the CO2 more soluble in water.





Please refer to the following video when connecting Neo Mix and Neo Skimmer at the same time.

*Video : https://drive.google.com/file/d/15q3Kocj3DBLBq1cOB61Itu-u_cqmzXT8/view?usp=sharing



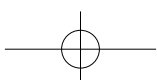
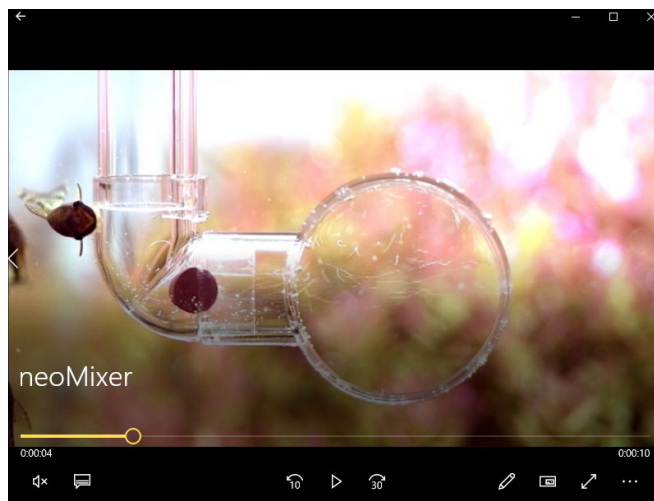
Also, unlike other companies' inline diffusers, Neo Mixer is easily attached to and detached from the outlet, and the diffusion ceramic is also very easy to separate, so maintenance using Bleach is easy.

In order not to disturb the beautiful waterscape, we provide both the left and right side mounting parts . It also includes round parts to reduce water flow and make diffusion more efficient.

Neo Mixer can be connected to external filters of other companies as well as Neo Flow.



*Video : https://drive.google.com/file/d/1VZ_IB59uqGzf3p4V5I0S4zyVhkBi5WYb/view?usp=sharing



For the protection of intellectual property rights, we have applied for an international patent PCT, the information of which is as follows.

KIPO
KOREAN INTELLECTUAL PROPERTY OFFICE

전자 제출 접수증

ePCT-Filing을 통해 제출한 PCT 국제출원을 수리관청(RO/KR)에서 접수하였음을 알려드립니다.
출원번호와 접수일이 자동으로 부여되었습니다(행정지침 제7부).

| | | |
|--------|-------------------------------------|-------|
| 접수번호 | 612022000323315 | |
| 국제출원번호 | PCT/KR2022000516 | |
| 접수일 | 12 January 2022 | |
| 수리관청 | Korean Intellectual Property Office | |
| 발조기호 | PCT22-01 | |
| 출원인 | 이, 광복 | |
| 출원인 수 | 1 | |
| 발명의 명칭 | 수족관용 기체 확산기 | |
| 제출된 문서 | PCT2201-app8.xml (PCT22-01.xml) | 17262 |
| | PCT2201-dpcf-000001.rar | 52843 |
| | PCT2201-fees.xml | 1640 |
| | PCT2201-post-000001.xml | 2550 |
| | PCT2201-requ.xml | 6259 |
| | PCT2201-vlog.xml | 419 |

The specifications of Neo Mixer are as follows.

Inner diameter of connection part: M about 13mm, L about 17mm

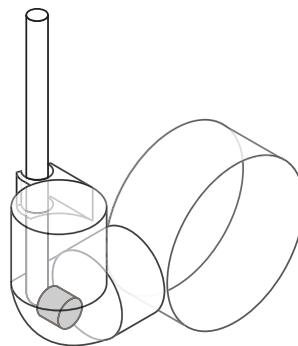
Material: PETG

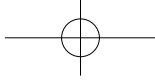
Components: Tiny Diffuser, 2 Outlet connection parts (for right and left) Water flow reduction parts



Caution

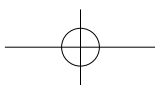
- ※ Keep out of reach of children and pet
- ※ Use for Aquarium
- ※ Unnecessary force can break products

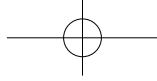




NEO UNIT FLEXIBLE PIPE

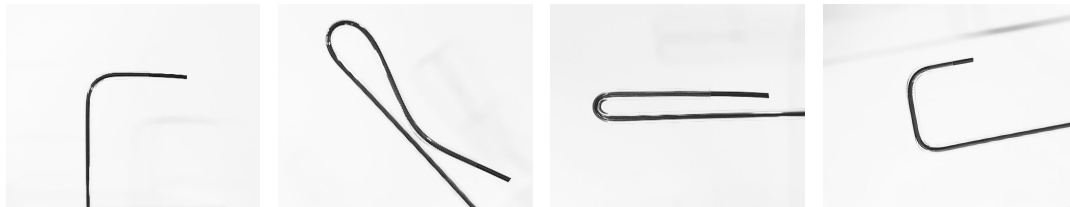
Neo Unit Flexible Pipe is a polycarbonate pipe that is stronger and more elastic than acrylic that can be used as a replacement for 4 / 6mm air and co2 hoses.





Deformable to the desired shape

Since Neo Flexible Pipe is a DIY product that is used to create a desired shape by applying heat, it can be freely deformed into any shape regardless of glass thickness or gas.

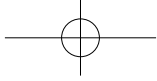


Intellectual Property Protection

Neo Flexible Pipes are being protected worldwide.

We have completed Korean patent registration and they are pending for international patent

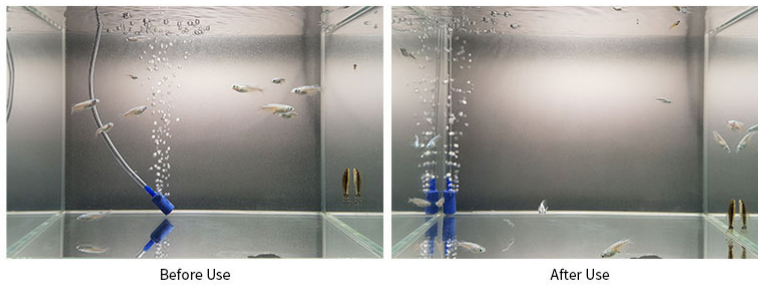
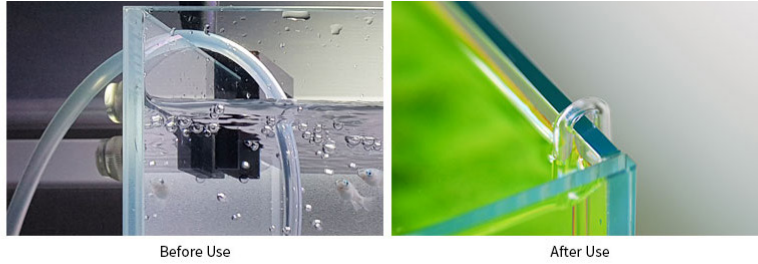




Clean up messy hoses

Common hoses harms the beauty of the tank because it is not in close contact with the glass and is located in disorder.

However, Neo Unit Flexible Pipe is very neat because it can be installed in close contact with glass

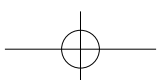
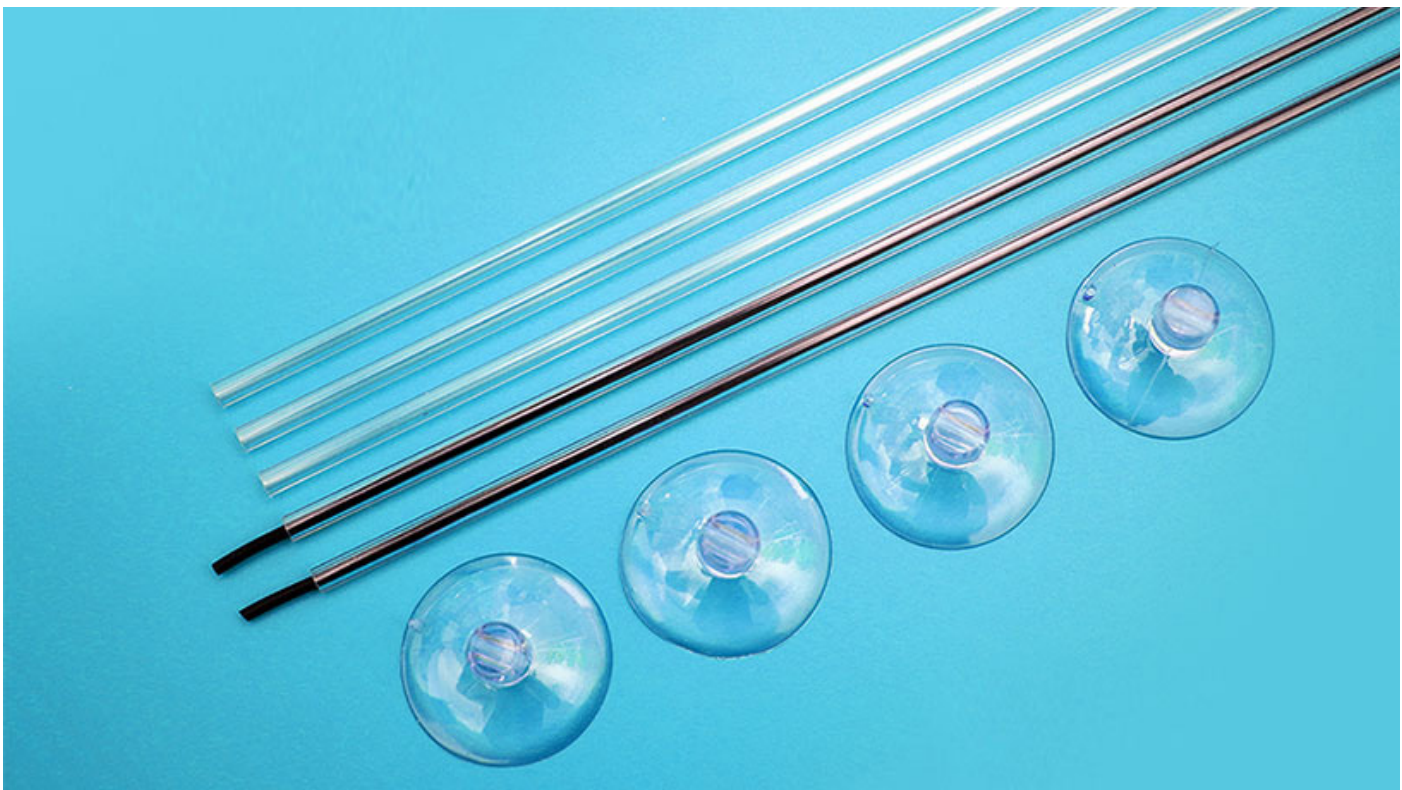


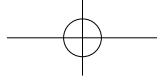
Strong durability

Common hoses are not transparent and becomes cloudy over time.

However, since Neo Unit Flexible Pipe is made of PC, it is very transparent even after time.

Also, as long as no force is applied, it is a highly elastic PC material, so it does not break easily over time.



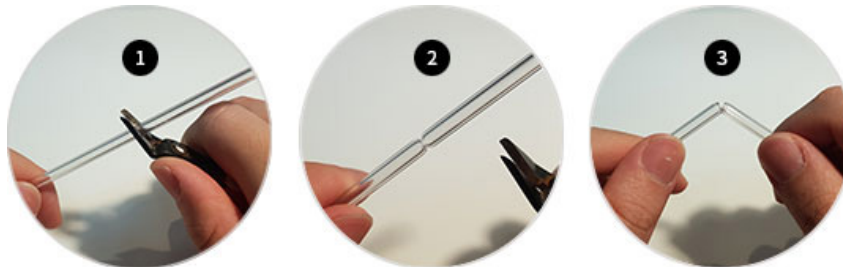


How to bend

1. Insert rubber cord into the pipe
2. Heat by turning the pipe to the width of 1 ~ 2cm of the bending point
3. Bend the pipe as you like against the top of tank
4. Remove the rubber after 20 seconds setting

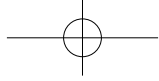


How to Cutting



Caution

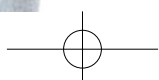
- ※ Be careful of fire or burns during bending
- ※ Heating the fire to only one point can cause incomplete results
- ※ Once bended or heated, there is no return or compensation.
- ※ If the pipe is deformed once, it may be damaged by applying force or reheating.

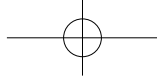


NEO UNIT **U**CLIP

NEO UNIT **P**CLIP

U clip and P clip prevent clogging of air hose and co2 hose,
so that oxygen and co2 are supplied smoothly and add naturalness to the tank.





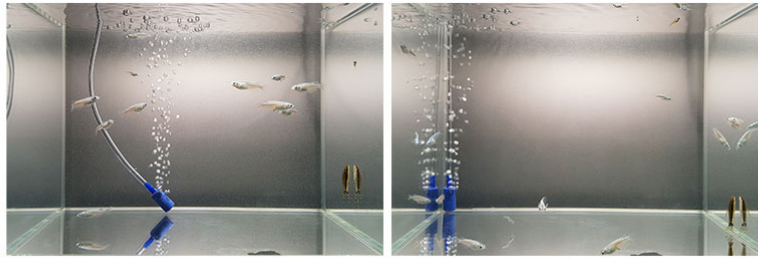
Simple line arrangement, strong durability

U clip and P clip are made of PC (polycarbonate) material and have elasticity unlike existing glass or stainless products, so they can be used in close contact with the tank.



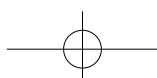
Before Use

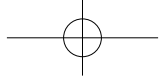
After Use



Before Use

After Use

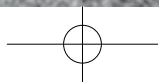
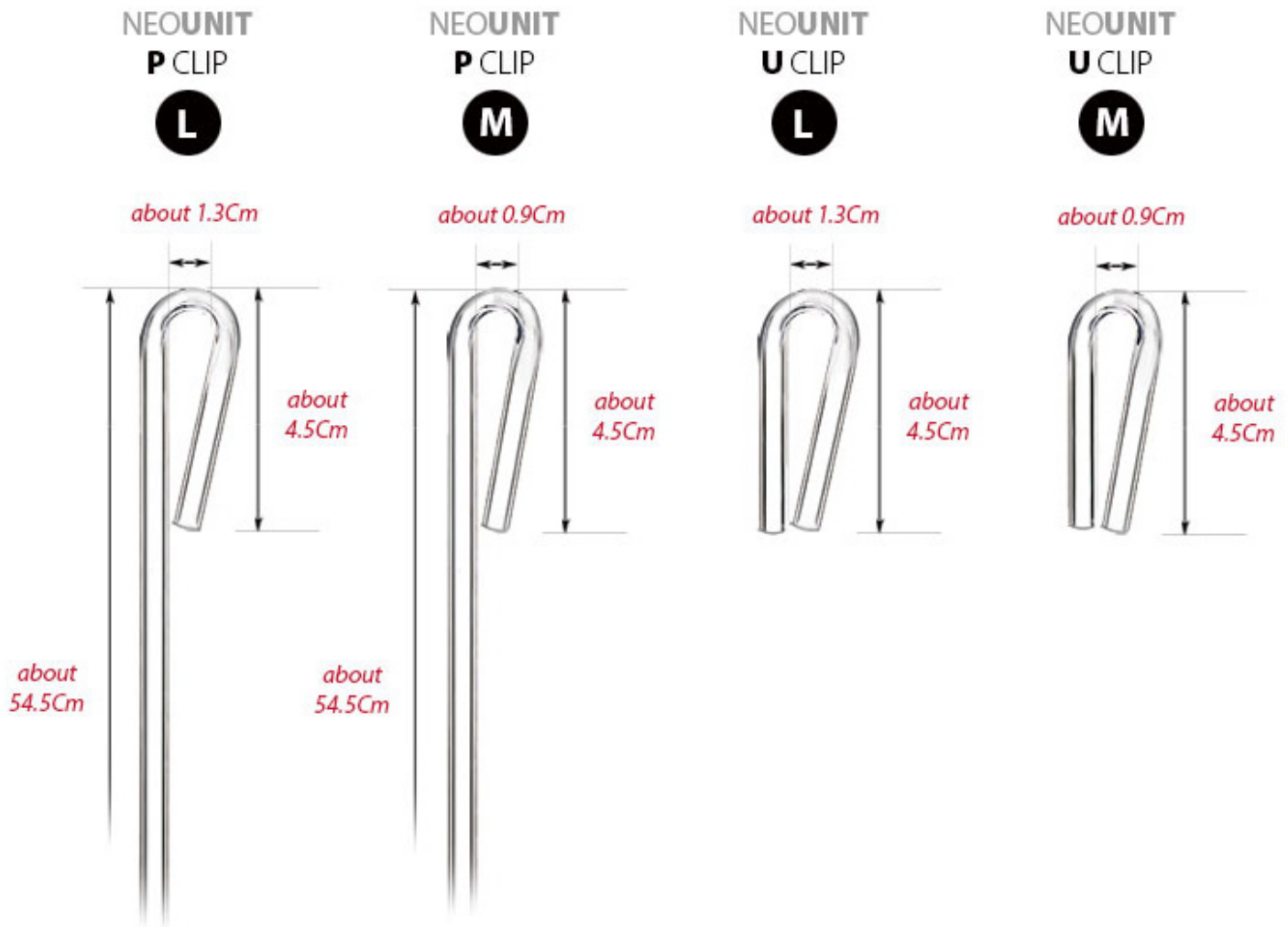


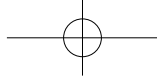


Product size & components

M size glass can be used up to 8mm thick
L size glass can be used up to 12mm thick

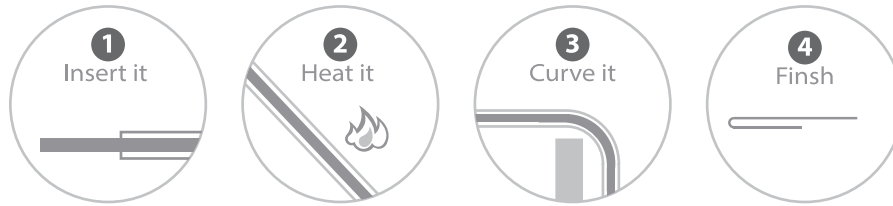
- U Clip Components: 2 U Clips
- P Clip Components: 2 P Clips, 1 rubber band for pipe molding



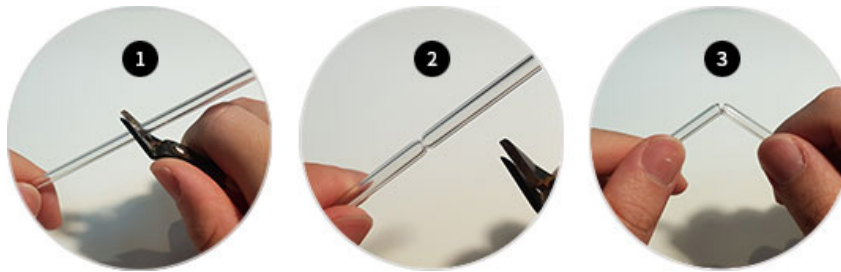


How to bend

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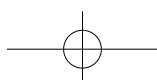


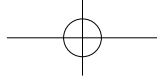
How to Cutting



Caution

- ※ Be careful of fire or burns during bending
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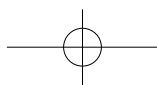


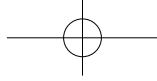
neo Soil

The best of **Tropical Fish, Plants, Shrimp**
that require slightly acidic, soft Water



Neo soil for plants is made with volcanic soil and optimized for growth of aquatic plants, making it easy for beginners and better for the experienced to grow aquatic plants.

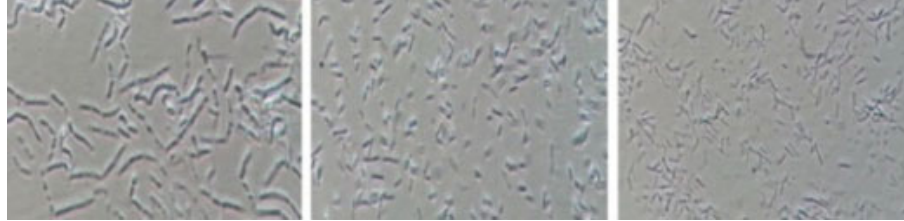




Main feature of Neo soil

1. Containing material that promotes beneficial bacteria

Upon contact with water, it promotes the growth of beneficial bacteria and helps the aquatic plants absorb nutrients in the soil.



2. Fast activation of the bottom

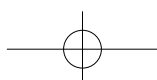
Activation of the bottom makes roots of aquatic plants absorb the nutrition effectively, which enables to grow abundantly with less fertilizer preventing bad algae in advance.



The first set was 47days ago.



Micranthemum 'Monte Carlo'



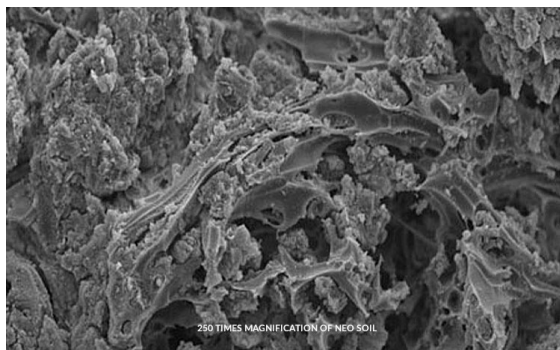
3. Maintaining stable water quality

Since NH₃/NH₄ and NO₂ disappear very quickly at the beginning of the setting, there is little chance of bad algae

| DAY | NH ₃ /NH ₄ (mg/l) | NO ₂ (mg/l) | NO ₃ (mg/l) |
|----------------|---|------------------------|------------------------|
| Original Water | 0 | 0 | 12.5 |
| 2016.04.05 | 0.3 | 3 | 100 |
| 2016.04.11 | 0 | 0 | 50 |
| 2016.04.18 | 0 | 0 | 25 |
| 2016.04.23 | 0 | 0 | 12.5 |

4. Many micropores

Neo Soil has a lot of micropores where bacteria can live. Therefore, beneficial bacteria survive stably, prevent rapid water quality changes, and help the growth of healthy plants.

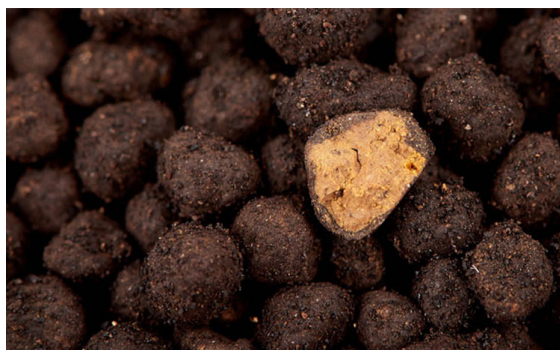


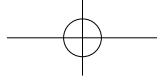
5. Excellent adsorptive power

As seen at the methylene blue test below, it adsorbs pollutants in the aquarium continuously. This adsorption power is the feature of Neo soil different from others such as similar soils or black soils

6. Double layers of Manufacturing method

Neo soil is consisted of 2 layers, brown soil inside and black soil outside, which makes it lighter than other soils





Excellent growth of aquatic plant

Here are some before and after slides between 47days without using fertilizer.

Only Neo soil plants used
Not any kind of fertilizers added



2020.08.21

2020.10.07

before and after slides between 57days without using fertilizer.

Only Neo soil plants used
Not any kind of fertilizers added



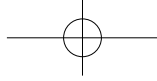
2020.09.01



2020.09.02

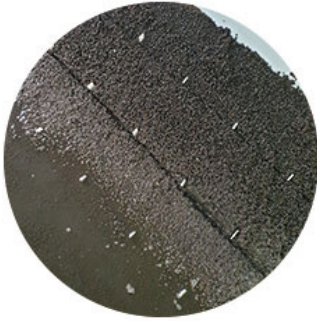


2020.10.29



before and after slides between 47days without using fertilizer.

Only Neo soil plants used
Not any kind of fertilizers added



2020.07.25



2020.07.28



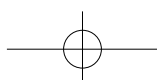
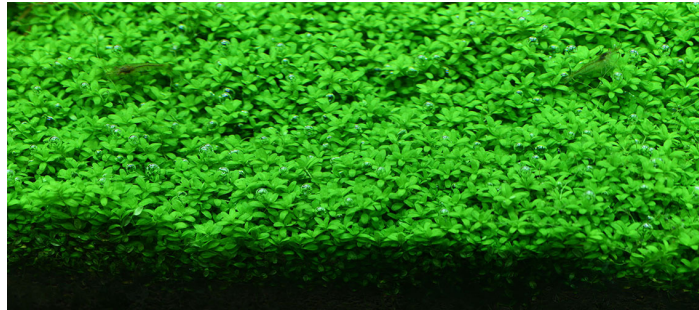
2020.08.21

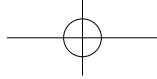


2020.09.10

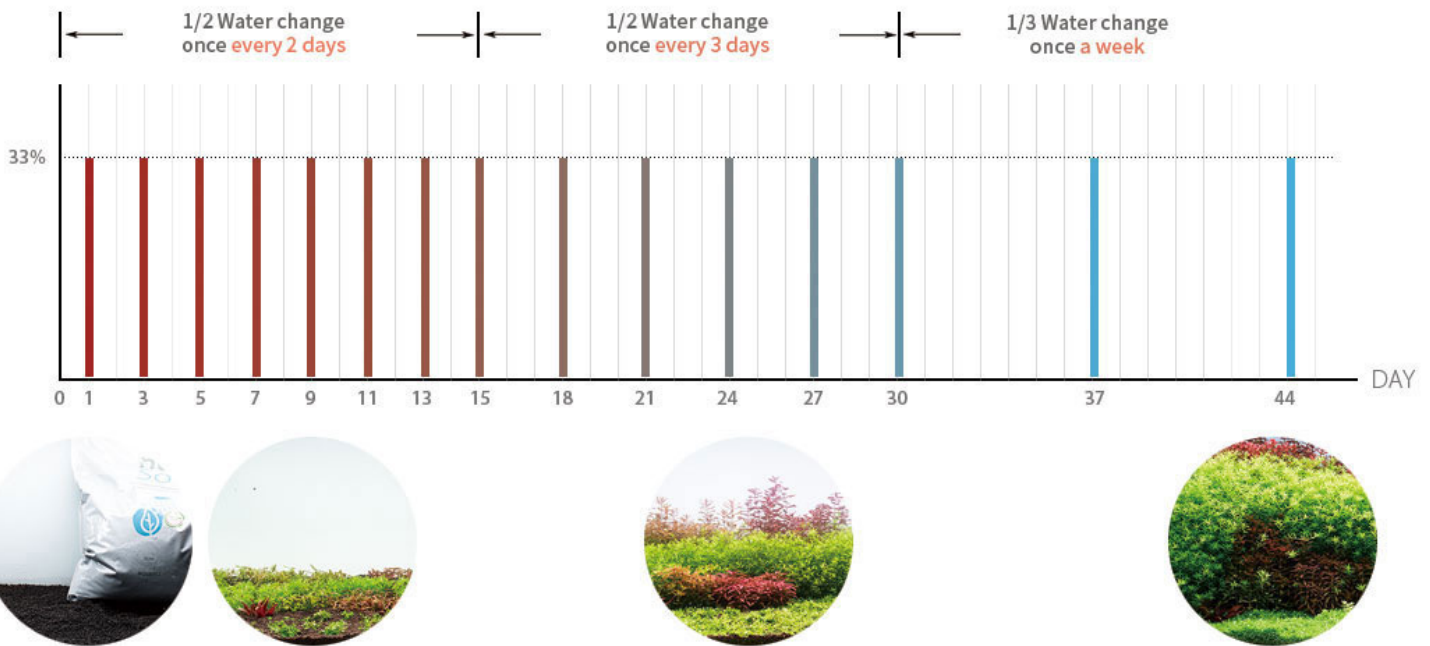
Specialized in carpeting plants

Without any fertilizers and additives, even beginners can easily complete carpeting plants within 2 months.





Water Change Cycle



If you plant a few plants at the beginning of setting, or if the lighting is strong or used for a long time (more than 8 hours), increase the amount or number of water changes.

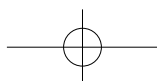
If bad algae occurs on the 15th day after setting, change 1/2 of the water once every 2 days for an additional 15 days.

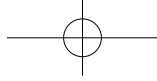
Add Yamato Shrimp to prevent bad algae after 7 days of setting



Caution

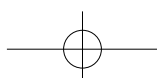
For growth of aquatic plants needed to be equipped with Co2 system (Neo Co2 or high pressure Co2), proper light and fertilizer. Depend on user's aquarium environment, management and other reasons, real growth could be different from the images above

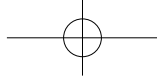




neo Soil

The best of **Tropical Fish, Plants, Shrimp**
that require slightly acidic, soft Water





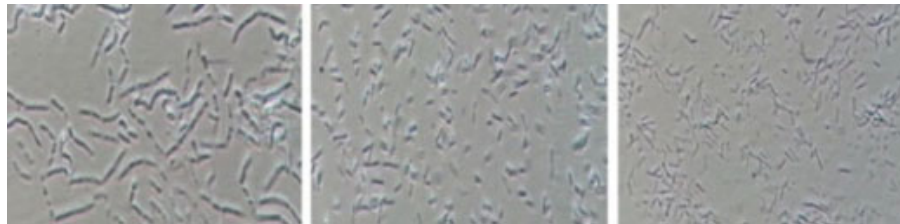
Main feature of Neo soil for shrimp

1. Rich nutrition

Intensifying nutrition to Compact Soil raised livability of baby shrimp and focused on color formation and strengthening the shell of the full grown. No ammonia found for addition of naturally and completely decomposed nutrition. It helps growing of fern, moss, cryptocoryne and etc.

2. Containing material that promotes beneficial bacteria

Upon contact with water, it promotes the growth of beneficial bacteria and helps the aquatic plants absorb nutrients in the soil.



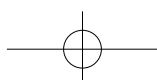
3. Containing humic acid

Fully contained humic acid from the origin of CRS offers a good water quality to full grown shrimp and raise livability of the baby at the same time.



4. Containing microelements

Containing many kinds of microelements give an important effect to color formation and the shell with the soil itself



5. Maintaining stable water quality

Water quality with Neo soil for shrimp

| DAY | NH3/NH4(mg/l) | NO2(mg/l) | NO3(mg/l) |
|----------------|---------------|-----------|-----------|
| Original Water | 0 | 0 | 0 |
| After 7 day | 0.25 | 0 | 12.5 |
| After 14 day | 0 | 0 | 12.5 |
| After 21 day | 0 | 0 | 12.5 |

6. Excellent adsorptive power

As seen at the methylene blue test below, it adsorbs pollutants in the aquarium continuously. This adsorption power is the feature of Neo soil different from others such as similar soils or black soils

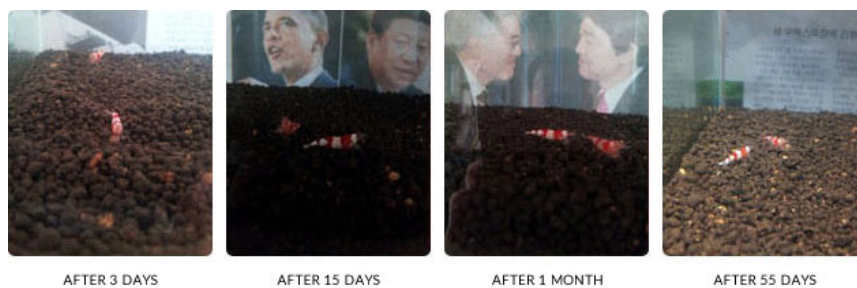


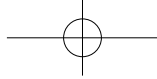
7. Many micro air holes

Hard flooring like black soil has no air hole itself that bacteria only settles on the surface of it. But Neo soil has many air holes inside, which enable beneficial bacteria to breed in bulk and decompose pollutants continuously: biological filter itself

8. Maintaining stable water quality

Healthy CRS well feeding for 55 days with filter and aeration without water change. Not only Japanese Compact Soil prevents pollution by adsorbing pollutants from feed, it offers habitats to shrimps because it is a filter itself. And also it maintains for a long time subacid water quality, most of tropical fishes, aquatic plants, CRS and others like.





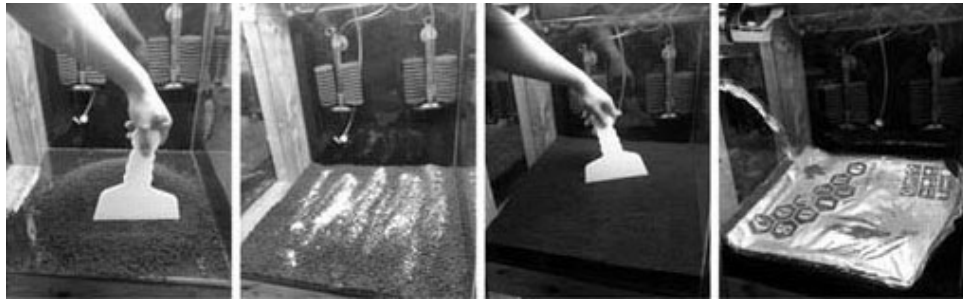
9. Double layers of Manufacturing method

Neo soil is consisted of 2 layers, brown soil inside and black soil outside, which makes it lighter than other soils



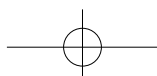
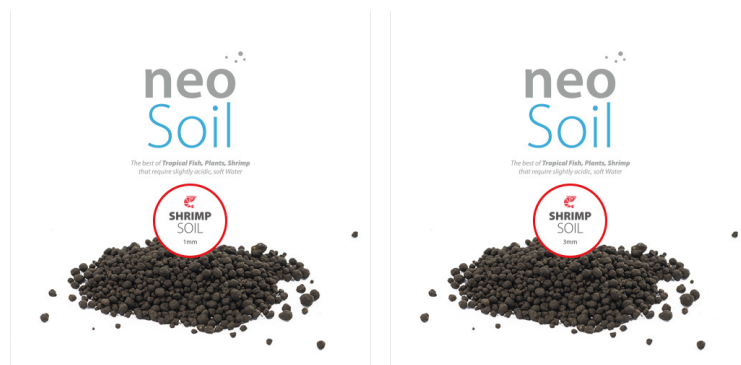
How to use

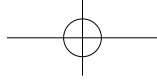
Spread the soil in a thin layer, then put Neo Plants Tab or other fertilizer if necessary and pour up the rest of it – low at the front high at the back. Cover the plastic package of the soil on the soil and pour the water little by little slowly. (Never wash the soil)



Caution

1. For growth of aquatic plants needed to be equipped with Co2 system (Neo Co2 or high pressure Co2), proper light and fertilizer.
2. 1/3 water change per every 3 days after setting. 1/3 water change per a week afterward.
3. When used with other brand soil, needed more frequent water change to prevent bad algae.
4. Depend on user's aquarium environment, management and other reasons, real growth could be different from the images above





neo CO2

Evolution of CO2 system for aquatic plants.



What is Neo CO2 ?

Here is the solution to the problem confronted between dangerous high pressure co2 and inconvenient low pressure co2.

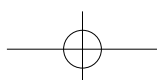
High pressure co2 is dangerous and expensive.
Low pressure co2 does not work well to grow aquatic plants.

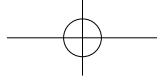
Co2 is an essential item to grow beautiful aquatic plants.

Don't worry anymore!

Neo Co2 is the alternative from now on.

Neo CO2 is a combinational item designed to supply natural co2 from stablized metabolism of a bacteria called Saccharomyces Cerevisae into aquarium.

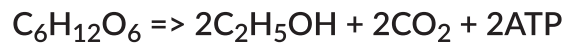




How Neo CO2 works?

Neo CO2 helps grow aquatic plants by continuously supplying co2 which is essential for growth at the lowest cost.

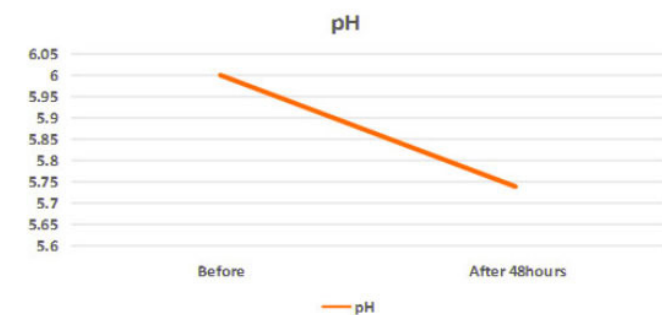
The origin of Neo CO2



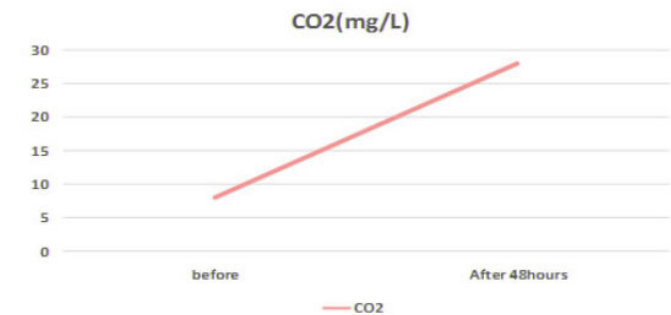
Neo CO2 supplies Co2 stably Co2 stably for about 50 days.



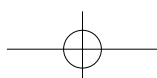
Neo CO2 offers the best environment to grow aquatic plants.

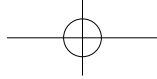


PH change(After 48hours) 6.0 → 5.7
5.7



Co2 change(After 48hours) 7.0 → 28.0
28.0





Features of Neo CO2

1. Top-fermenting

Neo CO2 is fermented only on the side jelly and water contact, which makes proper amount of co2 production last longer as the micro-organism eats the nutrition jelly from the upside to the downside.

2. Stabilization technology for bacteria and special culture material

Thanks to AQUARIO Co.'s high technology, Neo CO2 developed/introduced stabilize bacteria technology, keeps Co2 production about 50 days.

3. Reusable

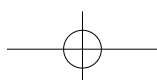
Neo CO2 reproduces CO2, if only the jelly is still left with a simple process.

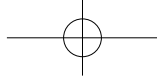
4. Perfect components

Neo CO2 contains all parts necessary for co2 generation and use such as hose and diffuser

5. World's best diffuser

The Neo CO2 Set includes original Neo Diffuser, the world's highest quality.





How to use

1. Put about 300ml of warm water (about 50°C) into the bottle.
2. After closing the cap, shake about 100 times until the content is thoroughly mixed.
3. 24 hours later, it turns into Jelly
4. Put in 1 pack of Biorefill.
5. Put 200ml of warm water (about 30°C)
6. Wait until CO₂ is produced.
7. When co₂ stops, only the water needs to be changed except the jelly.
8. Process #4, #5, #6 comes along later on



Re-setting Time of neo co2 ?

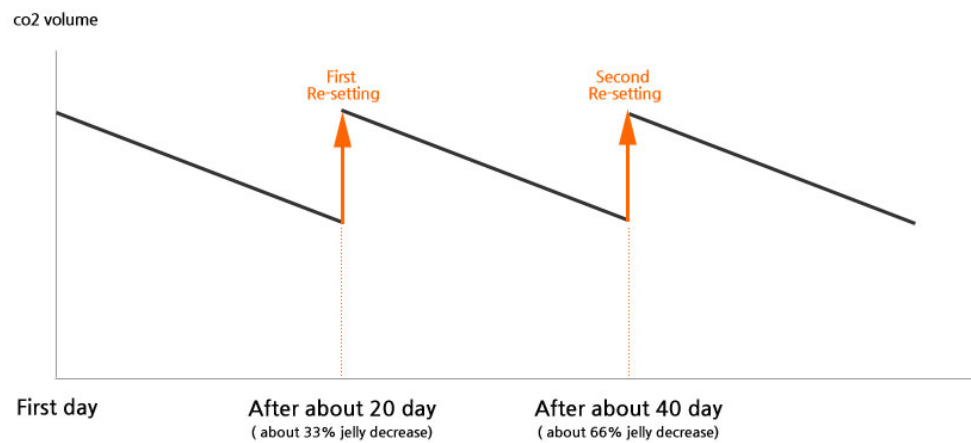
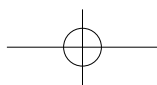
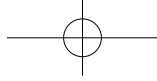


Figure can be changed depending on temperature, Etc





Period time for use and Recommended aquarium :

Summer about 40days, Winter about 60days, Up to 60cm of aquarium



Caution

Never disconnect the hose or open the cap before CO₂ is generated. This significantly delays or disables co₂ generation.

Never shake after the content has turned into jelly.

Never use any valves to control the amount and time of Co₂ generation.

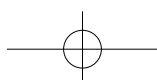
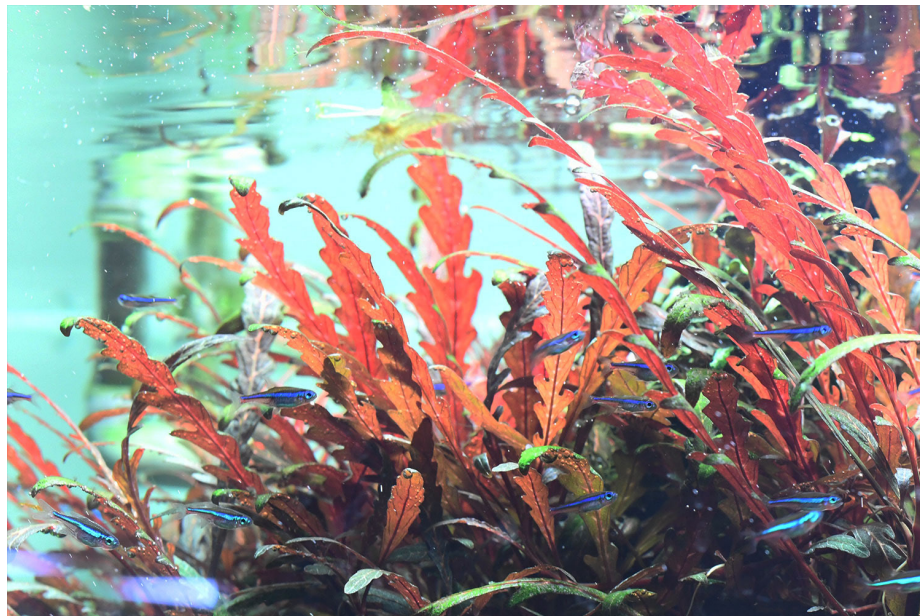
The quantity of Co₂ decreases slowly as time passes

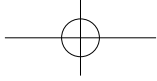
The result of normal fermentation, Liquid on top of jelly smells of soiled wine.

Below 15°C, Co₂ cannot be produced

When the hose or diffuser stuck with the contents by the user's carelessness, please stop using and carefully open the cap in somewhere like bathroom. And connect the syringe to the hose and remove the contents. After that, immerse it in the bleach diluent.

Keep out of reach of children and pet.





neo CO2

REFILL

사용방법 :

1. 용기안에 약50도 온수를 중이컵 한컵만 분량 투입합니다. (약 300ml, 냉수용기)
2. 뚜껑을 닫고 로로 내용물이 녹을 때까지 약 100여회 흔들립니다.
3. 24 시간 경과 후 젤리가 완성됩니다.
4. 용기에 1포 투입합니다
5. 약 30초 온수(수분기)를 용이컵 1개(약 200ml) 투입 합니다.
6. 용량시간 경과 후 CO2가 발생됩니다
7. 사용도중 CO2가 발생 할수 있으나 제외안 상단의 물만 바뀐니다.
8. 그후 위의 4번, 5번, 6번 과정을 반복합니다.

How to use :

1. Put about 300ml of warm water (about 50°C) into the container.
2. After closing the cap, shake about 100 times until the content is thoroughly mixed.
3. 24 hour's later, it turns into jelly.
4. Put in 1 pack of Bio.
5. Put 200ml of warm water (about 30°C)
6. Wait until CO2 is produced.
7. When CO2 stops, only the water needs to be changed except the jelly.
8. Process #4, #5, #6 comes along later on

주의사항 :

- * 젤리 완성 후 잘라 흔들지 마세요.
- * CO2양 시간 경과에 따라 서서히 감소하여 정상입니다.
- * 내용물의 얼룩을 제외한 물은 송냉수가 나려 정상입니다.
- * 내용물이 어둡으로 부딪히는 경우 백사 및 부식물이 발생됩니다.
- * 용기의 온도가 15도 이하에서 CO2 발생이 불가능합니다.
- * 용레노이드 밸브를 일체로 조립장치를 사용하지 마세요.
- * 제품에는 확산기는 소모품이므로 주기적인 교체가 필요합니다.
- * CO2 이발부의 경우, 용량과 남아있던 액 사용이 가능합니다.
- * 사용 초기 CO2가 나오지 않고 2시간 후에 내용물이 차 있는경우 사용을 중지하고 확산실에서 온수(냉수)로 부양을 분리하세요.
- * 이 제품 구입해서 1분차부터 세팅에 교란이 가능합니다.
- * 수족관 용도로 사용하세요
- * 어린이와 애완동물이 닿지 않게 하세요

Caution :

- * Please don't shake after the content has turned into jelly.
- * The quantity of CO2 decreases slowly as time passes
- * The water upside the jelly smells of wine
- * The products may leak into the aquarium which can cause harmful effects to fishes
- * Below 15°C, CO2 cannot be produced
- * Usage of any valve can damage the container.
- * The thread diffuser needs to be replaced regularly.
- * Reusable with left jelly when CO2 system stops
- * When the hose stuck with the contents in its initial use, please stop using and carefully open the cap in somewhere like bathroom.
- * Keep out of reach of children and pet.

AQUARIO

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www.aquario.co.kr / sales@aquario.co.kr

MADE IN KOREA

neo

Plants Tab



Neo Plants Tab series consists of 4 types TAB 1, K, Fe, ST.long

It is based on the best materials and technology.
It can be used according to the nutritional status of aquatic plants.



1. Latest fertilizer manufacturing technology

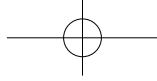
The rate of absorption of fertilizer is high and nutrients are slowly released, preventing the occurrence of algae.
This is because the CEC (Cation Exchange Capacity) of the materials and fertilizer used is high. (Higher CEC materials do not combine with other fertilizer ingredients or soils.)

2. Manufacture with optimum strength





Manufactured with a strength that is slowly released to allow complete absorption

3. Use high quality materials

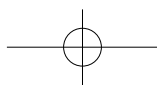
4. There is little impact on the bottom



Features of Neo TAB

| | | |
|--------------------|--|---|
| |  |  |
| | Tab1 | K |
| Ingredient | Nitrogen, Phosphoric acid, Potassium (chemical fertilizer) | Potassium (chemical fertilizer) |
| Effect | Comprehensive fertilizer to promote rapid growth | Promote photosynthesis |
| When to use | When a shortage of a specific ingredient occurs at the same time ▲ recommendation : Red aquatic plant, Phosphate deficiency | Hole in old leaf |
| |  |  |
| | Fe | St.Long |
| Ingredient | iron (chemical fertilizer) | Organic fertilizer |
| Effect | Color enhancement | Long-lasting slow-release fertilizer |
| When to use | chlorosis of new leaf ▲ recommendation : Red aquatic plant | When resetting, Long-rooted plants ▲ recommendation : Red aquatic plant |

For beginners, use TAB 1 to get enough experience, then use the TAB 1 has a strong effect in a short time, and TAB ST.LONG has a long lasting effect.



Undernourishment and the response



Phosphate deficiency
Red colored leaves turn green.
A new leaf that grows small.
Old leaves melted away

use : Tab1



Potassium deficiency
When an old leaf has a hole
Lack of photosynthesis

use : Tab1, Tab K



Iron deficiency
When new leaves turn white
When the color of red leaf is not good

use : Tab Fe



Calcium deficiency
The growth of new leaf is abnormal
When new leaves twist

use : Tab Sr.Long



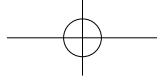
How to use

1cc(1 pumping)/10 litter in every 3 days, twice after water change.
Adjustable according to the condition of aquatic plants.

| Recommended amount | Tab 1 | K | Fe | St.Long |
|---|----------|-----|-----|---------|
| 30 days after setting | No use | | | |
| shade aquatic plants Maintenance of completed aquatic | | Use | Use | |
| Make it grow fast | Use | | | |
| Reset, Comprehensive nutrition deficiency | Use | | | |
| Long-rooted aquatic plant Slowly provide nutrients for a long time | | | | Use |
| To enhance the color of red aquatic plants | Half use | | Use | |

- For ground aquatic plants: 5cm spacing
- For large rooted aquatic plants: one per root
- Lasts about 2 months

Adjust the usage according to the condition of Aquatic plants.
The usage is not absolute, please use it according to the water tank environment.



When algae appears,

Reduce usage and change water periodically.
Decrease the amount of co2 and reduce the lighting intensity and lighting time.
Please add shrimp and fish for algae removal.



Caution

Please use this product only as a fertilizer for aquatic plants.

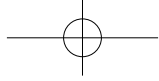
Do not use it for shrimp breeding tank.

Keep out of reach of children.

Please use after enough shake. (Sediment may occur.)

In order for a aquatic plant to grow well, it should be supplied with adequate light intensity and CO2.





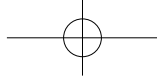
neo Solution



Neo Solution can be used in response to many different symptoms by undernourishment and optimally used according to kinds of aquatic plants.

Using high quality materials and insolubilized FE-DTPA in above Ph7.0 Added plant based amino-acid and humic acid to Solution 2 for optimized growth.





Performance of Neo solution

Tank Circumstance

Tank size : 900x360x400 / Light : T5 white * 4 / filter : Eheim 2217
 Soil : Neo Compact Plants Soil / bottom fertlizer : No / Co2 : 1 bubble/ 1 second
 Water change : 20%/ 1 week



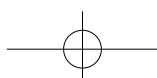
2016. 5. 20
Immediately after trimming



2016. 6. 7
After trimming 18 days
Neo solution Usage : 1cc/ 10 Liter per 3 days

Features of each Neo solution series

| | | |
|--------------------|---|---|
| |  |  |
| | Neo Solution 1 | Neo Solution 2 |
| Ingredient | N, K, Mg, P | Fe, B, Mo, Ca and other essential micro elements, amino-acid and humic acid |
| Effect | Aids in promotion of photosynthesis in aquatic plants and growth speed | Balances growth and color, especially strengthens red color |
| Application | In a bad condition; when found holes in old leaves, color change and etc. | Bleached new leaves, twisted, colorless |
| |  |  |
| | Neo Solution k | Neo Solution fe |
| Ingredient | K | Fe |
| Effect | Promote photosynthesis | strengthens red color |
| Application | In a bad condition ; when found holes in old leaves | In a bad condition ; Bleached new leaves |



Undernourishment and the response



Lack of phosphate

Red leaves turn green.
New leaves become smaller at the same time.
Old part in the foreground gets bad

Remedy : Solution 1



Lack of K

Holes in old leaves. Lack of photosynthesis

Remedy : Solution 1, Solution K



Lack of Fe

Bleached new leaves or weak red color

Remedy : Solution 2, Solution Fe



Lack of Ca

Unusual growth of new leaves or twisted

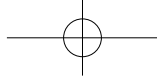
Remedy : Solution 2



How to use

1cc(1 pumping)/10 litter in every 3 days, twice after water change.
Adjustable according to the condition of aquatic plants.

| Recommended amount | Solution 1 | Solution 2 | Solution Fe | Solution K |
|---|--------------|--------------|--------------|--------------|
| 30 days after setting (Compact soil Plants or others added organic fertilizer) | No use | No use | No use | No use |
| Maintaining completed aquatic plant aquarium | 50% less | 1cc/10litter | 1cc/10litter | 1cc/10litter |
| Fast growth required (Water change needed) | 50% more | 50% less | 50% less | 50% less |
| Low light plant aquarium | 50% less | 1cc/10litter | 1cc/10litter | 1cc/10litter |
| Color formation and balanced growth | 1cc/10litter | 50% more | 50% more | 50% more |

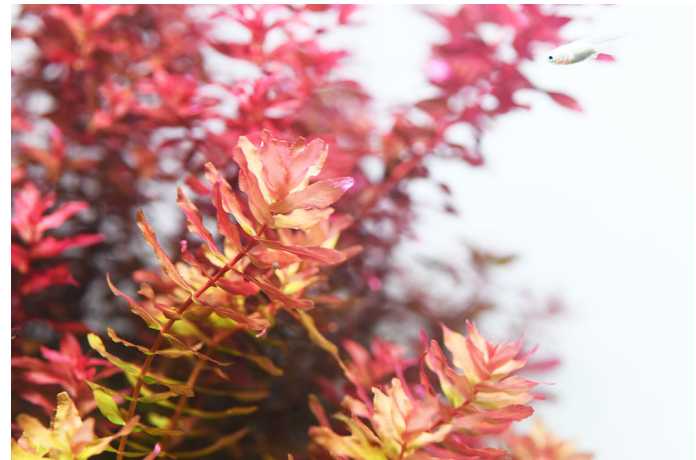
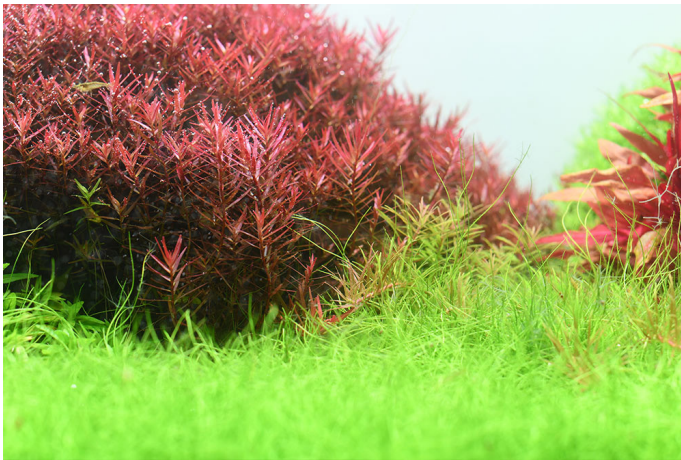


Recommended usage

The recommended dosage for a well maintained tank is 1cc/10 Liter per 3 days.
(For reference, 1 pump about 2ml)

When algae appears,

Decrease the amount of liquid fertilizer usage and change water periodically.
The quantities of Co2 and light also need to be decreased along with lighting time.
Put in algae eating animals such as Yamato shrimp.



Caution

- Only use as a fertilizer for aquatic plants.
- Do not use for shrimp breeding tank
- Keep out of reach of children
- Sediment may normally appear, so shake it well before use.
- For optimized growth needs Co2, filter, fertilizer and etc.

