

## DOOA Design Concept

In the 25 years since ADA was established and Nature Aquarium was founded by Takashi Amano, the Nature Aquarium style has become so popular that if people mention "planted aquarium", it refers to Nature Aquarium. In the recent years, planted aquarium was featured by various media and became known to the public as a hobby. Traditionally, ADA has been offering two different product lines: "ADA NATURE AQUARIUM" for high-end users and "Do! Aqua" which is the less-expensive version for planted aquarium beginners. Over the years, however, this price-based product categorization developed a sense of stagnation and offered only a stereotyped way of enjoying planted aquarium. To break away from the stagnant atmosphere in aquatic plants/aquarium industries, ADA has, in conjunction with its 25th anniversary, decided to discontinue "Do! Aqua" and instead, launch a new brand called "DOOA" to offer a new style of enjoying aquatic plants. The name "DOOA" was created based on the history of ADA brand.

Since "DOOA" is the revamped brand of "Do! Aqua", the initials of "Do! Aqua" ("Do" and "A") were extracted and another letter "O" was added to them to express fun. DOOA's geometrical-shaped logo is a reflection of impact, new value and a sense of fun to get away from stereotypes. This logo design is most suitable for ADA's new innovative product range that was developed through out-of-the-box thinking. Also, this logo is an ultimate minimalism design that follows Takashi Amano's enthusiasm in minimalism. In terms of brand positioning, "DOOA" is positioned side by side with "ADA NATURE AQUARIUM". With these two brands, ADA will offer a wider spectrum of aquatic plant hobby and provide products that cater for the needs of a wide range of users. In contrast to Takashi Amano's original range "ADA NATURE AQUARIUM" that has a universal value, the new brand "DOOA" will keep on evolving by incorporating the trend, fashion and sense of the times.

## Development of Brand Mark

The brand mark consisting of circles and a triangle is an ultimate minimalism. Combination of shapes produces impact and joy.



DOOA, an inspiring brand, helps you enjoy aquatic plants more freely. Minimal and easy, and designed as a platform allowing everyone to nurture plants indoors. Feel closer to nature, and bring beauty into your life.



## Development of brand color and package

DOOA's pop brand color is extremely opposite to that of "ADA NATURE AQUARIUM". It expresses the DOOA's concept of "enjoying aquatic plants more freely". It also helps product differentiation and gives a rhythm to the display of packages.



DOOA, an inspiring brand, helps you enjoy aquatic plants more freely. Minimal and easy, and designed as a platform allowing everyone to nurture plants indoors. Feel closer to nature, and bring beauty into your life.



*Summer with Neo Glass Air*



# NEW WABI-KUSA STYLE

## WABI-KUSA MAT + Wabi-Kusa



### WABI-KUSA MAT Born from the Know-How of Wabi-Kusa Production

“I wish everyone could grow aquatic plants easily without fail” – The hope that Takashi Amano, the founder of Nature Aquarium, had been holding has now been shaped into the product called “Wabi-kusa”. What was focused in the course of its development was vigorous vegetative propagation in aquatic plants as well as their emergence and submersion growth. Stem plants, one of the representative aquatic plant species, can reproduce from stem cuttings with a node. Aquatic plants that grow by sending out runners, such as Glossostigma, produce plantlets at the tip of runners for propagation. This is called vegetative propagation, which has been incorporated in the planting techniques in Nature Aquarium layouts. Some examples include planting of stem cuttings from a single stem plant or small portions of

Glossostigma with some space between them. These techniques are also applied to Wabi-kusa. The basic production method of Wabi-kusa is to place small stem cuttings of stem plant into the base where aquatic plants can take root to let the stem cuttings produce new leaves. For your information, this production method of Wabi-kusa has been patented. WABI-KUSA MAT is a product that was developed using this know-how and made into a shape usable for WABI-KUSA WALL. “WABI-KUSA WALL 60” and “SYSTEM TERRA 30” come with the Wabi-Kusa Mats that are the planting base without aquatic plants. Another type of Wabi-Kusa Mat covered with moss such as Willow moss will also be available. Users can attach moss, such as Willow moss, and epiphytic plants to Wabi-Kusa Mat.



You can attach moss as well as epiphytic plants (such as Anubias and Microsorium) to Wabi-Kusa Mat. (The images show the prototype)

# WABI-KUSA WALL 60 + NEO GLASS TERRA H23



NEO, an existing brand, uses the most aquatic plants more freely, naturally and easily, and designed as a platform allowing everyone to realize their wishes. Fun closer to nature, and bring beauty into your life.

## Recreates the Natural Feel of Moss and Grass Grown on Water-Dripping Rock Wall

In mountains and along streams, we often spot the places where mosses and ferns grow on a rock wall over which water is spilling down. WABI-KUSA WALL reproduces the natural feel of such a rock wall.

POINT 1



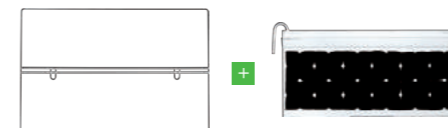
## Newly-developed cascade system creates water flow like a waterfall

The prototype of WABI-KUSA WALL adopted a shower pipe at its water outflow; however, it has been cancelled due to difficulty in maintenance. Subsequently, ADA developed an easy-to-maintain new Cascade spillway system that provides a small waterfall running down over a rock wall.

DATA

- Aquarium** NEO GLASS TERRA H23 W60×D30×H18/23 (cm)  
WABI-KUSA WALL 60, WABI-KUSA WALL STAND 60
- Lighting System** Solar RGB, turned on for 9 hours per day
- Filter** Super Jet Filter ES-150 (Bio Rio, NA Carbon), STREAM PIPE V-1
- Substrate** TROPICAL RIVER SOIL
- CO<sub>2</sub>** CO<sub>2</sub> MINI DIFFUSER Ø10  
1 bubble per second via CO<sub>2</sub> MINI COUNTER (using Tower)
- Liquid Fertilizer** WABI-KUSA MIST
- Plants** Wabi-Kusa Stem Plants MIX  
Wabi-Kusa Cryptocoryne MIX  
Wabi-Kusa Karen  
Wabi-Kusa Hygrophila pinnatifida  
Wabi-Kusa Eleocharis parvula  
WABI-KUSA MAT Fontinalis antipyretica  
WABI-KUSA MAT Hygrophila pinnatifida  
Moss Rock  
Philodendron sp.  
Anubias barteri. Nana  
Microsorium sp.
- Fish** Paracheirodon axelrodi  
Trichogaster chuna  
Otocinclus sp.  
Crossocheilus siamensis  
Caridina japonica

NEO GLASS TERRA (H23) is a new tank designed for aqua-terrarium. With this shallow tank, you can enjoy emersed and submersed leaves at the same time.



WABI-KUSA WALL STAND 60    WABI-KUSA WALL 60

WABI-KUSA WALL 60 can easily be installed to NEO GLASS TERRA (H23) by using WABI-KUSA WALL STAND 60.

POINT 2



## WABI-KUSA MAT having excellent water retention and permeability

WABI-KUSA MAT is made of sponge and adopted for the base to which mosses and aquatic plants are attached. With its excellent water retention and permeability features, WABI-KUSA MAT is free from worry of drying up and consequent lack of water for plants. WABI-KUSA WALL 60 comes with 12 pieces of WABI-KUSA MAT. Attach your preferred moss and plants to them.



The most suitable lighting system for this type of layout is the pendant-type SOLAR RGB. The beauty of aquatic plants stands out under the high color rendering light.





DOOA, an inspiring brand, helps you enjoy aquatic plants more freely. Minimal and easy, and designed as a platform allowing everyone to nurture plants indoors. From flower to nature, and to beauty, they are your life.

WABI-KUSA WALL 60 + WABI-KUSA MAT

# A Green Wall Made Easy with Wabi-Kusa Mat



## 1. Washing Wabi-Kusa Mat

Wabi-Kusa Mat is a new material specifically developed to have good water absorption capacity and help rooting of aquatic mosses as well as epiphytic plants. Gently wash Wabi-Kusa Mat in a bucket filled with water before use so it will absorb water easily.



## 2. Attaching Willow Moss

Spread a thin layer of Willow Moss to cover both top and sides of Wabi-Kusa Mat with no gaps. By attaching Willow Moss to the corners and sides of the mats, water will readily be dispersed throughout the wall and help plant growth.



## 3. Tying with ADA MOSS COTTON

MOSS COTTON that absorbs and contains water also plays the role of supplying water to Willow Moss when it is tied in a grid pattern with a spacing of 0.5-1cm. Be careful not to tie MOSS COTTON too tight, otherwise the mat will deform and its water permeability may decline.



## 4. Cutting off protruding moss

Cut off the Willow Moss sticking out of the mat with scissors as it can get dry easily. AQUA SCISSORS S featuring a great blade movement range allows efficient pruning of wide areas. This tool is also optimal for fine trimming with its curved blade edges.



## 5. Completion of basic moss base

This is the basic form of Wabi-Kusa Mat. Other aquatic moss species can also be attached in the same manner. Try and enjoy various species of mosses on Wabi-Kusa Mat. To enjoy epiphytic plants, attach them to this moss base.



## 6. Attaching epiphytic aquatic plants

When attaching epiphytic plants such as Anubias and Microsorium, prepare the plants having emerged leaves in good condition. Cut off the old leaves and roots before attaching to the mats. Wrap the stems and roots with additional Willow Moss to prevent dehydration, and then fix with MOSS COTTON.



## 7. Completion of attaching epiphytic plants

Spray water on the plants frequently until the plants take root in Wabi-Kusa Mat. This takes about 1-2 weeks, depending on the plant species. In a dry environment, it is necessary to maintain an appropriate level of humidity until the condition of the plant leaves becomes steady.



## 8. Installing WABI-KUSA WALL 60

“WABI-KUSA WALL 60” is equipped with a new waterfall system “Cascade” featuring great design and maintainability. On WABI-KUSA WALL 60, water is supplied to Wabi-Kusa Mat from Cascade. The above photo shows an example where “WABI-KUSA WALL STAND 60” is used.



## 9. Fixing Wabi-Kusa Mat in place

After making sure of the growing points and directions of aquatic plants, adhere the rear side of the Wabi-Kusa Mat to the wall surface on which water flows down and fix the mat securely using four retainer grid pins (the interval between retainer grid pins is designed to be slightly smaller than the size of Wabi-Kusa Mat).



## 10. Adding Wabi-Kusa Stemmed Plants MIX

Use of Wabi-Kusa Stemmed Plants MIX in combination with other plants creates undulations in the layout for deeper expression. Besides Wabi-Kusa Mat, Ø9 Wabi-Kusa range can also be fixed on “WABI-KUSA WALL 60”.



## 11. Fixing Wabi-Kusa Stemmed Plants MIX

Fix Wabi-Kusa Stemmed Plants MIX in such manner that the bottom side of Wabi-Kusa base securely adheres to the wall surface. The size of Wabi-Kusa base may be slightly different by product. If the size is relatively large, make a dent in the point which comes into contact with the retainer grid pin in advance to ensure smooth fixing of Wabi-Kusa.



## 12. Points of layout

Wabi-Kusa Stemmed Plants MIX should basically be placed on the upper tier that receives more sunlight. If the Wabi-Kusa is placed on the lower tier, it is advised not to place Wabi-Kusa Mat or other Wabi-Kusa with large leaf on the upper tier because these plants can block the sunlight.

### Maintenance Tips

Daily water misting is essential to maintain emerged leaf of aquatic plants. WABI-KUSA MIST is a nutrient spray designed specifically for misting emerged leaves of Wabi-Kusa. It enhances the leaf color and potentially has an insect repellent effect.



WABI-KUSA MIST

### Point of Layout 2

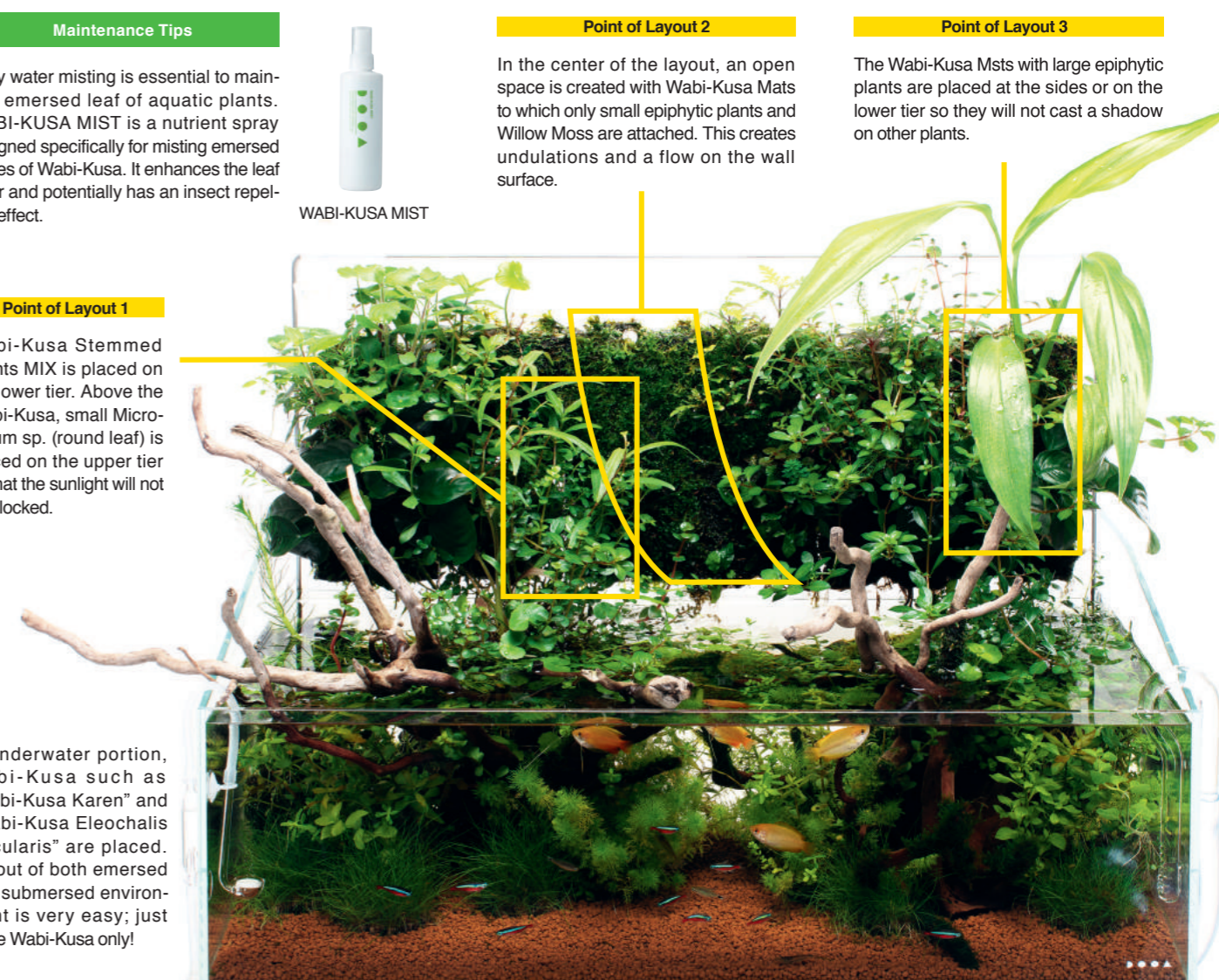
In the center of the layout, an open space is created with Wabi-Kusa Mats to which only small epiphytic plants and Willow Moss are attached. This creates undulations and a flow on the wall surface.

### Point of Layout 3

The Wabi-Kusa Mats with large epiphytic plants are placed at the sides or on the lower tier so they will not cast a shadow on other plants.

### Point of Layout 1

Wabi-Kusa Stemmed Plants MIX is placed on the lower tier. Above the Wabi-Kusa, small Microsorium sp. (round leaf) is placed on the upper tier so that the sunlight will not be blocked.



In underwater portion, Wabi-Kusa such as “Wabi-Kusa Karen” and “Wabi-Kusa Eleocharis acicularis” are placed. Layout of both emerged and submersed environment is very easy; just place Wabi-Kusa only!

A signature style of the DOOA products is aquatic plants layout on a vertical wall surface using “WABI-KUSA WALL 60” and “SYSTEM TERRA 30”. These products come with “Wabi-Kusa Mat”, a new layout material that enables easy attachment of aquatic plants to a wall. This article explains how to use “Wabi-Kusa Mat” and great layout tips.

## A Pictorial Guide to Epiphytic Aquatic Plants in Emerged Setup

Here we introduce 24 species of epiphytic plants that can grow well on WABI-KUSA WALL and SYSTEM TERRA 30, a new style proposed by DOOA. The view of various epiphytic plants growing emerged is reminiscent of the diversity of epiphytes that can be seen in the jungle.

To attach these epiphytic plants to Wabi-Kusa Mat, it is important to fix Willow moss firmly to Wabi-Kusa Mat, including its sides, using ADA Moss Cotton before attaching plants. This allows the Wabi-Kusa Mat to absorb and retain water easily. Once the preparation is done, choose your preferred epiphytic plants. When attaching the plants to Wabi-Kusa Mat, cover the plant roots with Willow moss first, and then carefully fix the plant with ADA Moss Cotton. Depending on the condition of aquatic plants and surrounding humidity, it is necessary to take a temporary measure against dehydration of plants such as covering the front and sides of the tank with plastic wrap. In addition, spray plenty of water using a spray bottle at least once a day. These are some tips for growing healthy plants.

①: *Microsorium* sp. (round leaf) ②: *Anubias barteri* var. *nana* ③: *Bucephalandra* sp. Giant velvet  
④: *Anubias barteri* var. *nana* "Petit" ⑤: *Hygrophila pinnatifida* ⑥: *Anubias* sp. Gabon ⑦: *Anubias barteri* var. *coffeefolia* ⑧: *Bucephalandra* sp. "Amanda"  
⑨: *Vesicularia* sp. ⑩: *Bolbitis heteroclita* ⑪: *Bolbitis heudelotii* ⑫: *Anubias barteri* Coin Leaf ⑬: *Bucephalandra* sp. "Spatulifolia" ⑭: *Microsorium pteropus* Mini  
⑮: *Anubias Congensis* ⑯: *Bucephalandra* sp. "Adinda" ⑰: *Microsorium* sp. Trident ⑱: *Microsorium* Narrow Leaf ⑲: *Philodendron* sp. ⑳: *Anubias heterophylla* ㉑: *Fissidens* sp. ㉒: *Anubias barteri* var. *barteri* ㉓: *Bucephalandra* sp. "Velvet" ㉔: *Anubias minima*



## 【 Examples of attaching epiphytic plants 】



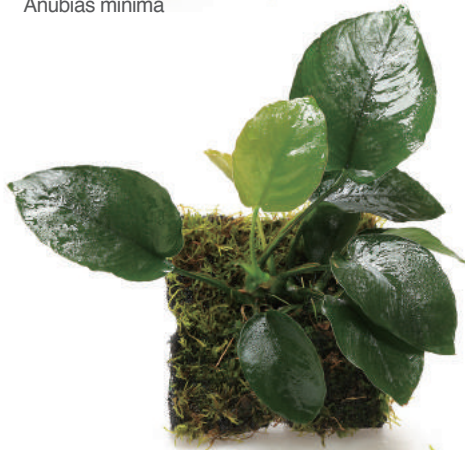
Anubias minima



Philodendron sp.



Microsorium sp. Trident



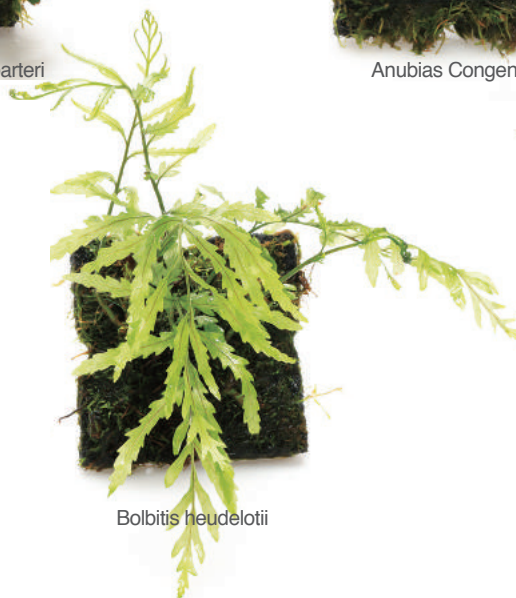
Anubias barteri var. barteri



Anubias Congensis



Hygrophila pinnatifida



Bolbitis heudelotii



Bolbitis heteroclita

### 【 How to fix epiphytic aquatic plants 】

Prepare the plants having emerged leaves in good condition. Cut off the damaged or overgrown roots. Wrap the plant roots with Willow moss to prevent dehydration, and then fix firmly with ADA Moss Cotton. Willow moss and ADA Moss Cotton also play a role of drawing water into the mat.



“Wabi-Kusa Mat Willow Moss” can also be used as the base.



Fix the epiphytic plants with ADA Moss Cotton.

STYLE

3

# NEO GLASS TERRA H23

## Creating a “Fish Habitat” using NEO GLASS TERRA and WABI-KUSA HANGER

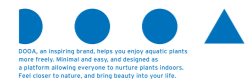
A wonderful “fish habitat” was created between the driftwood branches with the emerged and submersed leaves growing from Wabi-kusa. This is a unique way of enjoying aquatic plants with NEW GLASS TERRA and “WABI-KUSA HANGER”.

### DATA

Tank	Neo Glass Terra (H23) W60xD30xH18/23 (cm) Wabi-Kusa Hanger M (H90)
Lighting system	AQUASKY G 601; lighting for 10 hours a day
Filter system	Super Jet Filter ES-150 (Bio Rio L & NA Carbon) Stream Pipe Arc P-1, Stream Pipe V-1
Substrate	Tropical River Sand
CO <sub>2</sub>	One bubble per second with CO <sub>2</sub> Count Diffuser (CO <sub>2</sub> Tower used)
Fertilizer	Wabi-Kusa Mist
Aquatic Plants	Wabi-Kusa Echinodorus Mix Wabi-Kusa Karen Anubias barteri var. nana “Petit”
Fish Species	Hyphessobrycon amandae Hyphessobrycon sp. Nannostomus eques Corydoras kanei Otocinclus sp. Crossocheilus siamensis Caridina japonica







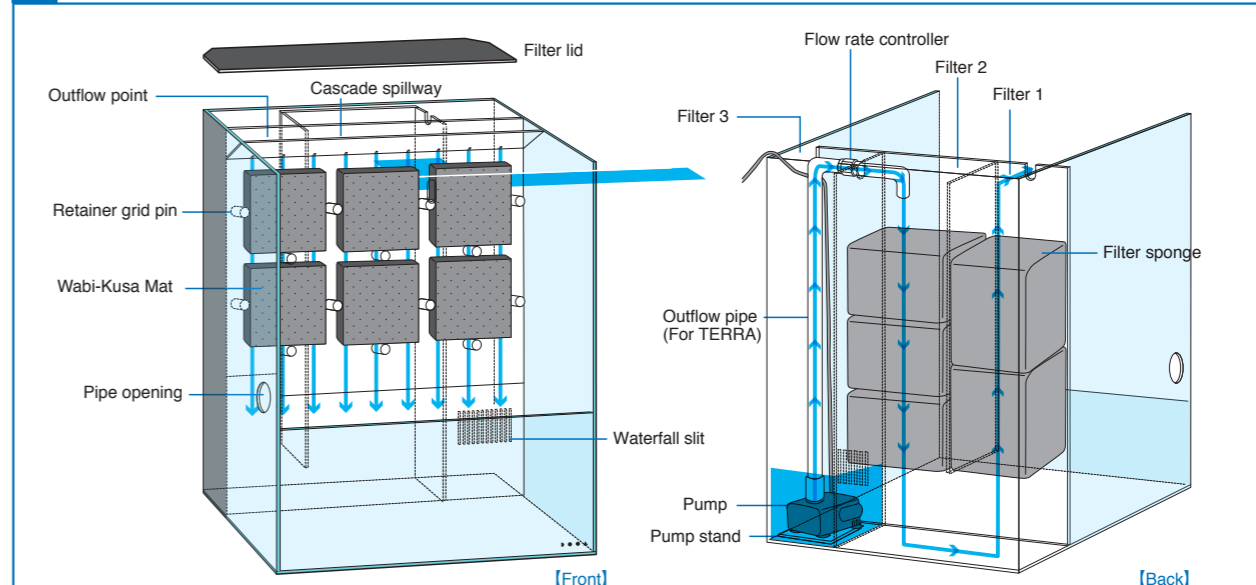
## Enjoying WABI-KUSA WALL with Ease Integrated Aquarium

SYSTEM TERRA 30, an integrated aquarium with built-in filters, has been developed to enable the users to enjoy a green wall with ease using WABI-KUSA WALL (SYSTEM TERRA 30 consists of glass aquarium tank and acrylic wall/cascade). Just like WABI-KUSA WALL 60, the SYSTEM TERRA 30 comes with newly developed cascade system and Wabi-Kusa Mats (6 pieces) to enjoy an aqua terrarium with green wall. For lighting system, the new SOL STAND G having a great open feeling is highly recommended for SYSTEM TERRA 30, rather than AQUASKY G301 which is also usable for this aquarium system. In this layout example, *Anubias barteri* var. *barteri* and *Bucephalandra* sp. are attached on Wabi-Kusa Mats and at the same time, a piece of driftwood is placed in such way that it protrudes from the water surface to give a 3D appearance to the layout. On the substrate, *Lagenandra*, *Nymphaea* and *Eleocharis parvula* were planted on TROPICAL RIVER SOIL, a new substrate material in the DOOA lineup.

<b>DATA</b>	
<b>Tank</b>	SYSTEM TERRA 30 W30xD30xH40 (cm) BASE STAND 35
<b>Lighting System</b>	SOL STAND G; lighting for 9 hours a day
<b>Filter System</b>	Built-in filter within the aquarium (Filter media: sponge)
<b>Substrate</b>	TROPICAL RIVER SOIL
<b>CO<sub>2</sub></b>	CO <sub>2</sub> MINI DIFFUSER J Ø10; One bubble per second with CO <sub>2</sub> MINI COUNTER (CO <sub>2</sub> TOWER used)
<b>Nutrients</b>	SUIKEI LIQUID
<b>Aquatic Plants</b>	<i>Wabi-Kusa Mat Willow Moss</i> <i>Wabi-Kusa Mat Bucephalandra</i> <i>Wabi-Kusa Eleocharis acicularis</i> <i>Lagenandra meeboldii "Green"</i> <i>Lagenandra meeboldii "Red"</i> <i>Nymphaea sp. Peru Maldonado</i> <i>Anubias barteri</i> var. <i>barteri</i> <i>Anubias barteri</i> var. <i>nana</i>
<b>Fish Species</b>	<i>Sphaerichthys selatanensis</i> <i>Boraras brigittae</i> <i>Otocinclus</i> sp. <i>Crossocheilus siamensis</i> <i>Caridina multidentata</i>

\*CO<sub>2</sub> system has been removed during the shooting time.

POINT  
1



### Integrated Aquarium "SYSTEM TERRA 30" Equipped with WABI-KUSA WALL and Filters

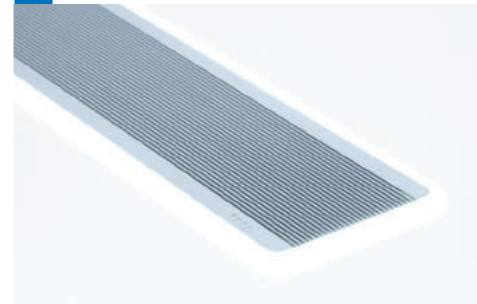
SYSTEM TERRA 30 has been developed as an integrated aquarium with built-in filters specifically designed to provide a green wall using WABI-KUSA WALL. You can enjoy a green wall with ease with a cascade system and Wabi-Kusa Mats, which are common accessories with WABI-KUSA WALL 60. You can also keep fish with peace of mind in SYSTEM TERRA 30 equipped with filters having sufficient filtering capacity. The filters of this aquarium work in this way: Step 1. Water enters Filter 3 through the

Inflow slit located on the lower part of the wall; Step 2. The water is pumped up into Filter 2; Step 3. The water then passes through Filter 1 and flows down the wall from the Cascade Spillway located on the upper side of the WABI-KUSA WALL (the volume of outflow water can be adjusted with the Flow Rate Controller on the outflow pipe). By attaching Wabi-Kusa and Wabi-Kusa Mats (SYSTEM TERRA 30 comes with 6 pieces of Wabi-Kusa Mat) to the wall surface and supplying CO<sub>2</sub> to the aquarium through the Pipe opening, you can grow aquatic plants in the water.



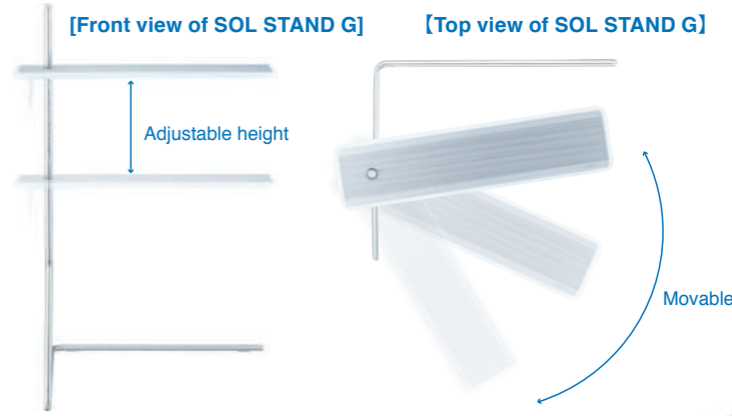
Wabi-Kusa Mat

POINT  
2



### New Stand Type Lighting System SOL STAND G

Developed as a lighting system designed for various small aquariums in the DOOA lineup, the stand type lighting system SOL STAND G matches well with SYSTEM TERRA 30. The height of the lighting unit can be adjusted freely. Dimmer function is also available.



The lighting unit can slide up and down easily along the vertical bar of the stand. Its height can be adjusted freely within the height range of the vertical bar.

The lighting unit can also turn back and forth around the vertical bar for easy aquarium maintenance (the installation of SOL STAND G mounting piece (optional) is highly recommended).



SOL STAND G mounting piece



©2024 Aqua Design Amano. Please do not copy or create plants more freely. Minimal and easy, and designed as a platform showing an environment to nurture plants indoors. For more information, please visit <http://www.aquadesign.com>.

## Thinking about the Foggy Jungle

This layout was created in the image of a valley in a tropical rainforest by using Wabi-Kusa Mat with only epiphytic plants, and intentionally without using any Wabi-kusa. *Bucephalandra* sp. is a plant that we can enjoy in both emersed and submersed environments and it often stimulates the aquatic plant hobbyists' desire to collect. *Bucephalandra* is an ideal plant for this type of layout, but it requires a special trimming care. It is important to cut off the old or damaged leaves because they easily decay if left untrimmed. This style of layout tends to give a dark impression due to Willow moss used as its base. To avoid this, *Microsorium* and Java Fern in bright color were attached as an accent to make a good contrast of light and dark. In dry environments, it is recommended to use broader-leaf type of *Microsorium* having a relatively good tolerance to dehydration. For underwater portion, Moss Rocks and Tropical River Soil are used to evoke an image of tropical mountain stream. Moss Rocks were placed tight in front of the wall surface and *Bucephalandra* was attached between the rocks so that a unity is created in the arrangement. By placing *Bucephalandra* in both emersed and submersed portions, a seamless flow was created in the vertical direction. Finally, a subtle and profound rock wall covered by epiphytic plants was created.

Layout created by : Kota Iwahori  
©AQUA DESIGN AMANO

