

**ATTENTION**

●For Aquarium Use Only: Improper or negligent use of this product may result in serious bodily harm and damage of property. Be sure to use the product only according to the manufacturer's instruction. ●Before the installation, please make sure to read this instruction manual carefully and understand all of its directions. Please do NOT use this product without understanding the proper usage. ●Check if there are any glass or silicon defects before the installation. Most initial failure can be found with such a checking, and serious accidents such as water leakage can be avoided. ●Bubbles inside the silicon do NOT affect the integrity of the aquarium tank or its strength. ●SYSTEM TERRA 30 has satisfactory strength as an aquarium, however due to its nature produced from glass, it is vulnerable against sudden shock from outside, or distortion caused by unstable aquarium cabinet. Please follow the instructions written under IMPORTANT Section. Aqua Design Amano and its local distributors do NOT compensate for any problems or damages by accident, abuse, misuse, flood, fire, earthquake or other external causes; or damage caused by operating the product outside the permitted or intended uses described by Aqua Design Amano.

**IMPORTANT**

\*Please read carefully

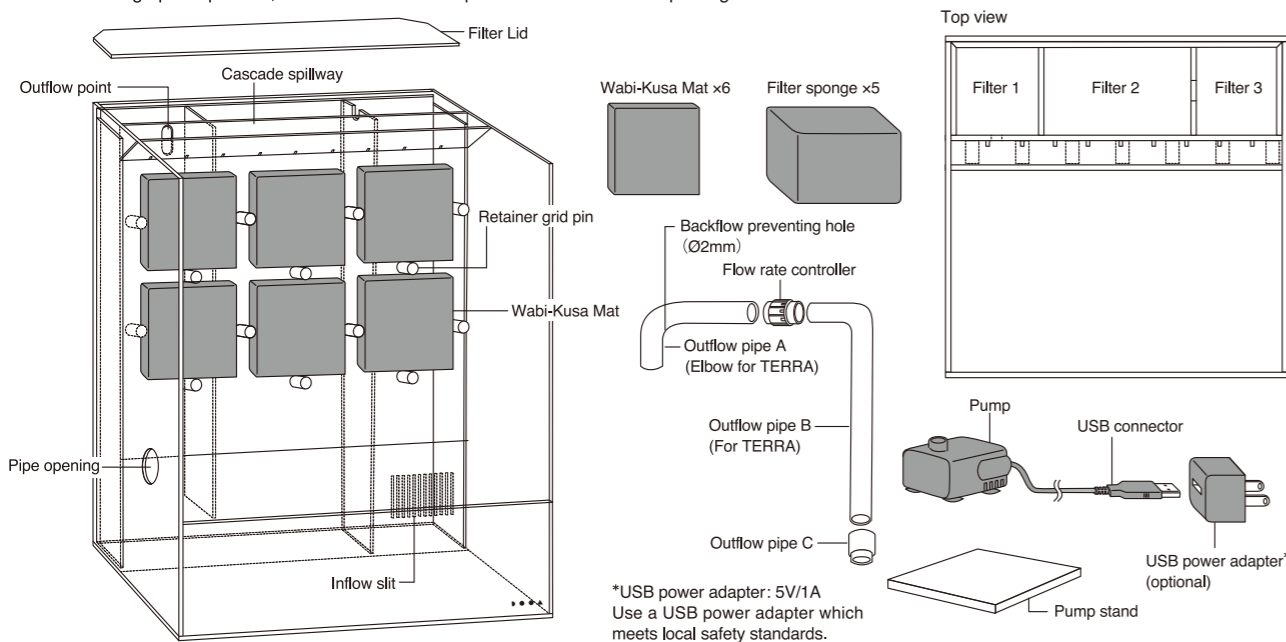
- Install SYSTEM TERRA 30 on ADA aquarium cabinet or on a plane surface of sufficient strength with no deformation or inclination. Before the installation, make sure the cabinet is leveled, and is not distorted or inclined. In case aquarium tank got cracked under normal use, improper installation, such as the distortion of the aquarium cabinet and cabinet incline may be main reason. Aqua Design Amano cannot compensate for the crack problem of the SYSTEM TERRA 30.
- For safety reasons, we strongly recommend to place a rubber or polyurethane mat, easing the aquarium cabinet distortion. Use of ADA GARDEN MAT is strongly recommended.
- Do NOT place SYSTEM TERRA 30 on top of furniture, including but not limited to desk, shoe cupboard, sideboard, or storage rack. Please also avoid placing the SYSTEM TERRA 30 on the floor directly or on top of wooden board placed on the floor.
- SYSTEM TERRA 30 cannot be placed in the following location, even if set up with ADA aquarium cabinet.
  - Carpet floor or tatami mat room
  - Vibration-sensitive place (For example, the second floor could be inappropriate in terms of building construction).
  - Locations which receive direct sunlight, or the place with extremely high or low humidity. Placing the SYSTEM TERRA 30 in the open air accelerates the deterioration of the silicon, and shortens the aquarium tank life cycle.
  - Locations with high temperature variation range, such as place near the air conditioner.
  - Locations near home electric appliances (Water splash from the aquarium tank may trigger electrical shock).
  - Locations in the reach of child
- Handle with care, and do not give vibration or shock from outside.
- When handling the SYSTEM TERRA 30, make sure to carry by holding the bottom of the tank with empty condition.
- Do NOT move the SYSTEM TERRA 30 filled with water or set with substrate.
- Before placing the SYSTEM TERRA 30 on top of the aquarium cabinet, confirm the top is clear. Even small gravel could become the cause of cracking of the aquarium glass.
- Do NOT pour hot water (over 40 degrees Celsius) into the SYSTEM TERRA 30. Please also avoid direct contact with aquarium heater. Sudden temperature change may cause cracking of the glass.
- Do NOT use detergent or organic solvent solution for cleaning purpose. Those materials could deteriorate the silicon. Use dry, soft cloth for cleaning the SYSTEM TERRA 30.
- During the maintenance of the aquarium, please pay attention not to cause any scratch on the glass with gravels. When removing the algae on the glass surface with scraper, be careful not to give damages to the silicon.
- Do NOT use basic organic dyes in the SYSTEM TERRA 30. It may deteriorate the silicon.
- Do NOT modify the SYSTEM TERRA 30.
- Do NOT use the SYSTEM TERRA 30 if its silicon joint is deteriorated or detached.

**1. Product Features of SYSTEM TERRA 30**

SYSTEM TERRA 30 is an aquarium system with built-in filters designed for enjoying aqua terrarium in a unique style developed by ADA. With minimal hassle in piping and wiring, everyone can create an aqua terrarium easily using Wabi-Kusa Mat and Wabi-Kusa (optional) that comes with this tank. By combining SYSTEM TERRA 30 with an optional ADA lighting system, you can enjoy an aqua terrarium that can also be an excellent interior décor item.

**2. Parts**

\*Before setting up this product, make sure that all the parts are included in the package.

**3. Usage****① Installing the Pump and Outflow pipes to Filter 3.**

Fix the Pump on the Pump stand and connect the Outflow pipe A, B and C properly by referring to the illustration. Be careful not to drop the Pump and Pump stand into the Filter when installing the Pump. It may cause scratches, chipped or broken glass.

**② Placing the Filter sponges in Filter 1 & 2**

By referring to the illustration, properly place two pieces of the Filter sponge (vertically) in Filter 1 and three pieces of the Filter sponge (horizontally) in Filter 2. The Filter sponge for Filter 1 must be placed in a position lower than the Outflow point.

**③ Starting the Pump**

• Pour water into the tank to the level where the Pump is covered by water so that the Pump will not run without water. Then, plug the USB power adapter (optional) into an electrical outlet and run the Pump (connect the USB connector of the Pump to the USB power adapter). Adjust the water level according to the recommended water level shown in the illustration. Once the Pump starts running, the water level gradually decreases due to evaporation of water. Check the water level regularly to make sure that it is above the Pump. Keep the appropriate water level by adding water to the tank when necessary. Never run the Pump without water to avoid failure of the Pump.

• Once you start the Pump, make sure of the normal operation of the Pump without any troubles including water leakage. If any abnormal symptom is observed, unplug the USB power adapter (or USB connector) immediately and check again if there is any problem in connections or installation. Do not use this product unless troubleshooting has been done.

• Water spilled on USB power adapter/electrical outlet or water running down the cord can cause fire or electric shock. To avoid this, plug in the USB power adapter into an electrical outlet located at a position higher than the tank. If you need to use an outlet located at a position lower than the tank for an unavoidable reason, slack off the cord until it comes below the outlet before plugging in so that water will not run down the cord and reach the outlet.

**○Adjustment of water level on the Cascade spillway**

The water volume flowing onto the Cascade spillway can be adjusted using the Flow rate controller. The Cascade looks attractive when the water volume is adjusted to a level where the water stays on the Cascade spillway with surface tension.

**○How to use Wabi-Kusa Mat**

• Before use, shake or rub the Wabi-Kusa Mat lightly (not too hard until the mat deforms) in a bucket or other container filled with water to remove dust or rubbish on the mat as well as to pre-wet it.

• Use of ADA MOSS COTTON for fixing Willow Moss to Wabi-Kusa Mat is beneficial in maintaining a good nurturing environment. Willow Moss attached to the Wabi-Kusa Mat is naturally watered from the water absorbed and contained in ADA MOSS COTTON. Water will be evenly supplied to Willow Moss by tying ADA MOSS COTTON in a grid pattern with a spacing of 0.5-1cm.

• Epiphytic aquatic plants such as ferns and Anubias are fragile until they have taken root in the mat. It is advisable to prepare epiphytic plants having emerged leaves in good condition. When fixing epiphytic plants to the Wabi-Kusa Mat, trim off the damaged leaves and roots first and wrap the stems and roots with Willow Moss.

**○Tips for the care of aquatic plants attached to the Wabi-Kusa Mat in an emersed environment**

• Depending on the species and condition of aquatic plants attached to the Wabi-Kusa Mat as well as on the surrounding humidity it is recommended to take a temporary measure against dehydration of plants such as covering the front and sides of the tank with plastic wrap in the initial set-up period.

• The Wabi-Kusa Mat will absorb and retain more water by attaching Willow Moss to the sides at the top portion of the Wabi-Kusa Mat.

• Spray plenty water using a spray bottle at least once a day.

**Other precautions**

○Use an ADA lighting system designed for 30cm-wide tank.

Recommended models: AQUASKY G301 (ADA NATURE AQUARIUM GOODS Series)

○When using a heater or thermostat for nurturing aquatic animals in aquarium, use the one designed for 10ℓ of water. Install a heater or thermostat properly according to its instruction manual to ensure safe use. A heater may be installed in a vacant space at the bottom of Filter 1 or 2 depending on the heater size.

○Filter sponge gets dirty and clogged over use. Clogged sponge may cause decline inflow rate and result in lower filtration capacity. Hence, regular cleaning of sponge is necessary. The cleaning method is: Remove the filter sponge from the filter and lightly squeeze and wash it in a bucket filled with aquarium water. In particular, the uppermost filter sponge in Filter 2 needs to be cleaned regularly, since it has a role as a physical filter medium which removes larger dirt or particles.

○Dirt and algae build up on the Cascade spillway. Before water flow is affected by dirt/algae, remove them with a brush to keep this part clean.

○Fix Wabi-kusa and Wabi-Kusa Mat in place firmly using the retainer grid pins. Up to 6 pieces of 90 Wabi-kusa can be installed between the grid pins.

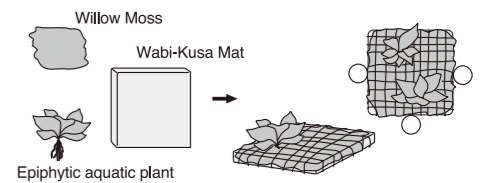
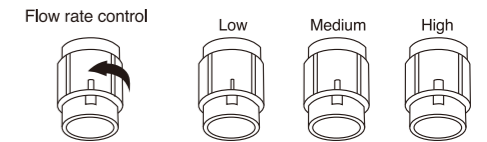
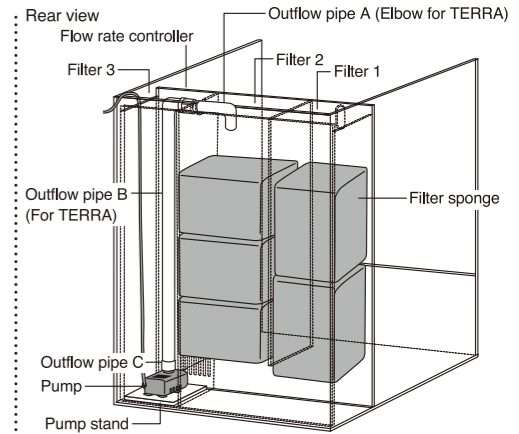
○The use of ADA MOSS COTTON (optional) is recommended to attach Willow Moss and epiphytic plants to Wabi-Kusa Mat.

○Use the pipe opening at the side of the tank to supply CO<sub>2</sub> into water.

○TROPICAL RIVER SAND or TROPICAL RIVER SOIL of the DOOA Series is recommended as substrate material to be used for this product.

○Turn off the power of the Pump during water change.

○Please use Aqua Clean AC (Optional), which removes yellowing and dirt from the water in the aquarium. Aqua Clean AC is an adsorptive media that combines high-performance activated carbon and activated alumina, and effectively removes water coloring, organic stains, phosphoric acid (PO<sub>4</sub>). For DOOA SYSTEM TERRA 30, it is effective to put one pack of Aqua Clean AC at the top of Filter 2 and replace it to new pack every two weeks.



• Place Willow Moss and epiphytic plants on top or at the side of Wabi-Kusa Mat and tie them with ADA MOSS COTTON (optional) to fix them onto the Wabi-Kusa Mat.

• To install the Wabi-Kusa Mat, fix it securely between the retainer grid pins.

\*When the flow rate is set to low, some water seeps out from the Flow rate controller. It does not affect the use of this product as this part is located within the filter.