Do!aqua
NATURE AQUARIUM GOODS For Beginners.

NA-WATER Manual

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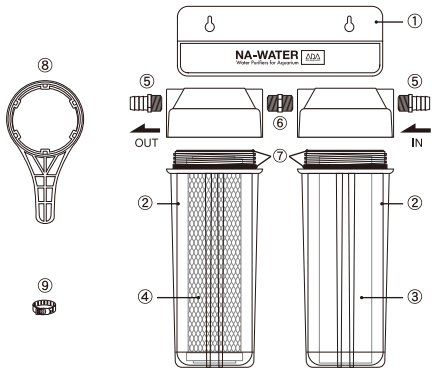
1. Characteristics of NA-WATER

Clean water is essential for keeping aquatic organisms, such as fish and aquatic plants, in an aquarium. Although tap water is clean water that has been filtered and sanitized with chlorine, the impurities in the tap water, such as residual chlorine and metal ions, are problematic for keeping aquatic organisms in it. NA-WATER is a water purification system that removes the residual chlorine and other impurities quickly. It produces purified water suitable for keeping the aquatic organisms. It can be used not only for fresh water and salt water aquariums but also for animals and plants in general.

* Adding a separately sold RO-KIT (reverse osmosis membrane) provides superior water purification. It produces nearly pure water with few impurities that is ideal for marine aquariums.

2. Parts

① Twin bracket
② Clear housing
③ Natural Cotton sediment filter
④ Carbon block filter
⑤ Hose connector
⑥ Housing connector
⑦ O-rings for housing
(two O-rings are installed in the one clear housing.)
⑧ Housing wrench
⑨ Hose clamps (3)



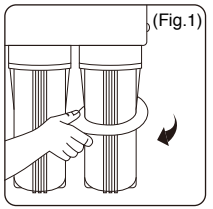
3. Operating instructions

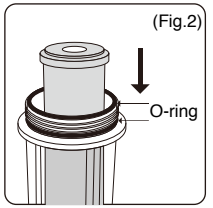
1. NA-WATER is shipped with filter cartridges in it. You should make sure that the clear housing is tightened well before use. If it is loose, tighten it well with the housing wrench.
2. Connect the faucet with the inlet side hose connector using a commercially available pressure resistant water hose (15 mm I.D.). Connect another pressure resistant water hose to the outlet side hose connector. Secure the connections with provided hose clamps to keep the hoses from coming loose. Tighten the hose clamps well using a screw driver.
3. Open the tap and run water through NA-WATER. Be sure to check for a water leak.
4. If you are using NA-WATER for the first time, be sure to let water flow through the unit for at least 30 minutes to wash off the fine particles out of the filter before using its product water for an aquarium.
5. Check for residual chlorine using a chlorine test kit such as Pack Checker ClO (sold separately.)

* Store the water from this product in a bucket or storage tank. Test and adjust its water quality and temperature if necessary before adding it to an aquarium.
* Run the water first through a Natural Cotton sediment filter; this removes sediments and suspended solids. Afterwards, run the water through a carbon block filter to remove residual chlorine, odor, and chemical substances. Take care not to get them turned around when connecting hoses or replacing filter cartridges.
* Obtain a commercially available aerator if a hose cannot be connected because of the shape of the faucet.
* Do not install a valve or a shower head to the outlet side hose of NA-WATER. Doing so will result in an excess pressure which may damage the product. Be sure to close the faucet when stopping the water output.

4. Filter cartridge replacement

1. Be sure to stop water before changing filter cartridges.
2. Remove clear housing by turning the housing wrench clockwise. (Fig.1)
3. Rinse the inside of the clear housing thoroughly after removing old cartridges.
4. Make sure that two O-rings are placed in the clear housings and insert new filter cartridges. (Fig.2)
5. Reinstall the clear housings by turning the housing wrench counterclockwise.


(Fig.1)



(Fig.2)

* Filter cartridges should be replaced every 6 months. However, they should be replaced earlier if the Natural Cotton sediment filter becomes significantly dirty or if the adsorption effect of the carbon block filter has declined, resulting in detection of residual chlorine.
* After the carbon block filter has been replaced, run water for at least 30 minutes to wash out carbon particles.
* Inspect O-rings in the clear housing periodically and replace them with new ones if they have deteriorated. Using a worn O-ring results in a water leak.

Safety Precautions

- Do not put water any warmer than 45ºC through the unit since it can deform the fixture. Do not ever connect it to a hot water heater.
- Excessive pressure may result in breakage. The clear housing is rated for 150 psi (10 kg/cm2) of pressure. Open the faucet gradually so that excess pressure is not applied to the unit.
- Be sure to provide an overflow line for the water storage tank for safety.
- Use this product in the area with a drain, such as a kitchen sink, a bathroom sink or a bathroom.
- Do not install this product where it may freeze. Freezing can damage the unit.
- Do not install this unit in the location that receives direct sunlight. Algae may develop inside the unit.
- Drain the water inside the unit if it is not going to be used for more than 5 days. Mold may develop inside the unit if left unused for a long period of time.
- Groundwater may reduce the life of filter cartridges considerably depending on the water quality. The use of tap water is recommended.
- Replace the filter cartridge periodically. Replacement with a genuine filter cartridge is recommended.
- Do not use this unit for drinking water.
- Check the water quality (pH, residual chlorine, etc.) and temperature of the product water from NA-WATER before adding it to an aquarium. ADA does not assume any responsibility for the sickness and loss of the livestock and aquatic plants.
- ADA does not assume any liability for the water leak and any incidental and consequential damages resulting from the mishandling of the product. Careful consideration should be given for the place of installation and a water storage method to ensure no accident occurs due to a water leak.

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