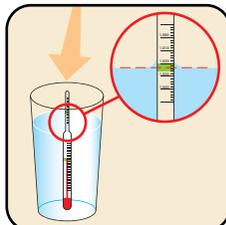
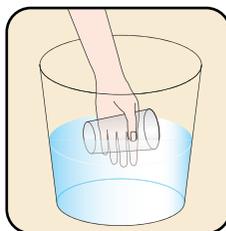


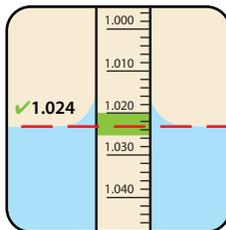
Checking and adjusting the Sg

When mixed with the correct volume of water at 24°C/75F the specific gravity (or Sg) of the salt solution should be 1.024. To test this, take a small sample of newly mixed salt water in a beaker big enough to float the hydrometer (supplied), an Sg reading can then be taken as shown in the diagrams (right). The water line should be level with the green area on the hydrometer.



- If the Sg is above 1.024, slowly add more lukewarm water.
- If the Sg is below 1.024, slowly add a strong salt solution.

NEVER add salt directly to the aquarium. Allow time for the salt to fully mix and keep checking until the correct Sg level of 1.024 is reached and the water line is level with the green area on the hydrometer. Stir thoroughly and let stand before use.



For more information visit www.reef-one.com

Can I use RO water?

Aquarium stores will often recommend the use of *RO* water (or 'Reverse Osmosis' water). Specialist water purifying machines are used to produce *RO* water, which is simply purified tap water with approximately 98% of dissolved solids and organics removed. *RO* water is normally required for keeping Corals but can be used in a standard fish only aquarium if your tap water has excessive levels of harmful chemicals. In most circumstances mixing your own salt water using the supplied *Reef Salt* is more than sufficient as the *Marine Filter Cartridge* (supplied) is specifically designed to work with tap water.

Can I use a standard Filter Cartridge?

No, a standard *Filter Cartridge* is not suitable for use in a marine aquarium as it does not contain the right mix of water conditioning chemicals that the specially developed *Marine Filter Cartridge* has.

For more frequently asked questions visit our website:

visit www.reef-one.com

Still need help? Mail our customer helpdesk:

marine@reef-one.com

or call us Mon-Fri 9am to 5pm
UK/Europe +44 (0)1603 710339
US (800) 527-3415

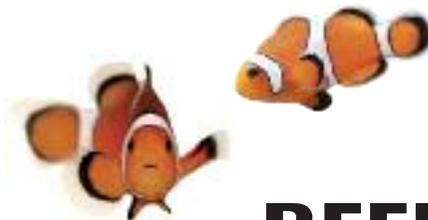
Frequently asked Questions...

I've added too much freshwater, what can I do?

If, when mixing salt water for your 25% water change you accidentally add too much freshwater, the salt concentration will be too low. If you have a *biOrb CLASSIC 30*, *LIFE S30/P45* or *biUbe* you will have spare *Reef Salt*. Following the *Checking and Adjusting Sg* section above you can use this spare salt to correct low Sg levels. If you have a *biOrb CLASSIC 60* or *LIFE 60* you will need to purchase additional salt, please contact our customer helpdesk: marine@reef-one.com.

What are the white crystals on the top of the aquarium?

These are white salt crystals called *Creep*, they will form around the top and lid of your aquarium and should be regularly wiped away with a damp cloth. **NEVER** add these salt crystals back into the aquarium as the sudden rise in salt levels (Sg) will harm your fish.



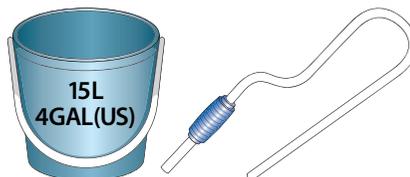
Maintaining your **MARINE** aquarium



Please read these instructions carefully before starting.

We recommend that you change 25% of the water and the Marine Filter Cartridge every 4 weeks. If you are stocking more fish than recommended it may be necessary to increase the frequency of the water changes and invest in a test kit to check the water regularly. Ideally perform step 1 & 2 at least 24 hours before starting step 3.

You will need:



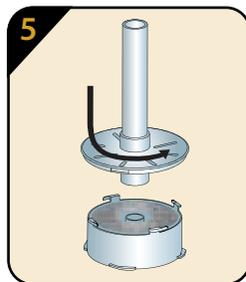
A large clean bucket

A Cleaner Pump



Mix the correct amount of salt and lukewarm water (approx. 24°C) in a bucket following the instructions shown in the *Mixing Salt Water* section.

⚠ Never add salt directly to the aquarium as it will kill your fish.



Remove plastic wrapper from the new marine filter cartridge and rinse with water. Fit the new cartridge to the bubble tube by locating all tabs and twisting in a counter-clockwise direction.

⚠ Never use a standard filter cartridge.



Using the cleaner pads provided, remove any algae growth using the rough side on stubborn marks only.

TIP: White salt crystals may form around the top and lid of the aquarium; this is called 'Creep' and should be wiped away with a damp cloth. NEVER add these salt crystals back into the aquarium.



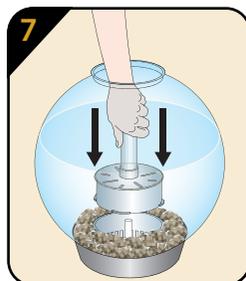
Using a jug or Cleaner Pump remove 25% of the aquarium water.

biOrb 30/biUbe = 7.5L/2GAL
LIFE S30/LIFE P45 = 7.5L/2GAL
biOrb 60/LIFE P60 = 15L/4GAL

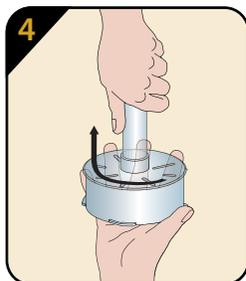
😊 Agitating the ceramic media with the Cleaner Pump will loosen any trapped dirt.



Remove the old filter cartridge by twisting the bubble tube counter-clockwise, the bubble tube and filter will lift away from the base.



Making sure there is no ceramic media or fish in the way, take the bubble tube and filter cartridge assembled in **Step 5** and insert into the aquarium giving the bubble tube a quarter turn (as per biOrb instructions). When positioned correctly the bubble tube and filter will remain in place. **⚠**



Separate the bubble tube from the old filter cartridge by holding the cartridge and gently twisting the bubble tube in a clockwise direction.



Using the water prepared in **Step 1**, ensure all salt has fully dissolved and test the Sg before adding to your aquarium (see **Checking and adjusting the Sg** overleaf). If the Sg is correct add 50% of the water to your aquarium, wait 30 min and add the remaining 50%. Once added you will need to re-check the Sg.

⚠ Any sudden changes in the aquarium water temperature could harm your fish. ⚠

Mixing salt water

Always mix salt in a clean bucket, NEVER in a stocked aquarium. If you have a biOrb 60, two buckets may be required.

Follow the guidelines in the table below for mixing the correct amount of Reef Salt for your aquarium.

AQUARIUM	SALT WEIGHT	WATER VOLUME	WATER TEMP.
biOrb 60/LIFE P60	500g/17.6oz (1 pack)	15L/4GAL	24°C
biOrb 30/LIFE S30	250g/8.8oz (1/2 pack)*	7.5L/2GAL	24°C
biUbe/LIFE P45	250g/8.8oz (1/2 pack)*	7.5L/2GAL	24°C

***It is important to accurately weigh the salt before mixing with water.**

If you have a biOrb CLASSIC 30, LIFE S30/P45 or biUbe you will have 1/2 pack of salt remaining. This should be kept in case you need to adjust the salt concentration (Sg).

Measure the lukewarm water (approx. 24°C) accurately as you add it to the bucket (this will ensure less adjustment later). Now add the correct amount of Reef Salt (see table above) stirring continuously to ensure all the salt is dissolved with none remaining at the bottom of the bucket.

NEVER use cold water as it will not mix well with the Reef Salt and adding it to your aquarium will harm your fish.

When mixing the saltwater in a bucket, always add the water first and then the salt to avoid the formation of insoluble particles.

Add the sachet of Stress Coat to the bucket of water and wait 24 hrs before adding Stress Zyme. Check to ensure ALL salt is dissolved and using the thermometer/hydrometer (provided in the Marine Conversion Kit) check the water is approximately 24°C and the salt concentration (Sg) is correct before adding the water to the aquarium (see **Checking and Adjusting the Sg** for instructions).

