



Betta Sanctuary

Hints & Tips For Best Results

LIVE PLANTS

Once the water conditions and pH levels are optimal, live plants can be added to the aquarium. Remember to empty some water from the aquarium before adding anything to it.

FILTER MEDIA

Biological Filtration (Bio Cartridge and Noodles)

Biological filtration is a process where toxic nitrogen compounds such as ammonia and nitrite (Fish waste) are removed from the system via a breakdown process carried out by nitrifying bacteria. (Nitrobacter and Nitrosomonas). These nitrifying bacteria need substrate with a high surface area to adhere to such as a sponge.

- When starting a new system it is important to remember that the bacterial colony takes time to develop and grow.
- You can speed up the process by 'seeding' the system with Aqua One Bio Starter.
- Over time this media can block up or break down so it is important to monitor it.

Seek advice from your Aquarium Specialist if either of these problems arise.

Chemical Filtration (Carbon Cartridge)

This is the removal of dissolved organic and inorganic substances through adsorption on a porous substrate or by direct chemical removal. Dissolved organic compounds are what turns the water a yellow-brown colour or causes foaming at the surface of the aquarium and need to be removed.

- Remove carbon cartridge if treating fish with medication.
- Replace every 6 – 8 weeks as the carbons absorption capacity will have depleted.
- Rinse well before placing in the aquarium. (in tap water)

Mechanical Filtration (Carbon Cartridge)

Mechanical filtration involves physically removing solid particles from the water. In addition to improving the visual appearance of the aquarium, it is important for the health and wellbeing of the inhabitants.

In this aquarium, the Carbon Cartridge performs the mechanical filtration.

- Avoid smothering the gills with solids such that fish cannot breathe.
- Decrease risk of disease outbreaks - there are high numbers of bacteria associated with suspended organic solids.
- Protect the biological filter material from rapidly becoming clogged. Rinse well before placing in the aquarium. (in tap water)



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Trouble Shooting

If you are in any doubt about the electrical installation or safety of this product you must consult a qualified electrician.

LIGHT UNIT DOES NOT WORK

1. Ensure switch is in the on position on the top of the light unit.
2. Check if its is plugged into the power supply and the switch is on.

PUMP WORKING BUT NO / SLOW WATER FLOW

1. Check impeller is in good condition and replace if needed.
2. Make sure water level in aquarium is above the power head. Please note the power head is a water proof unit.
3. Clean impeller, power head and all inlet and outlet pipes.
4. Check power head is assembled correctly, check that both grommets are in place at the ends of the shaft.

AQUARIUM POSSIBLY LEAKING

1. Replace carbon cartridge is blocked and dirty as this can create an overflow.
2. Make sure water level is not to high. Refer to setup instructions.

3. If an air stone is being used check it is not bubbling water over the rim of the aquarium if so turn the air pump down.

4. Make sure the aquarium is sitting on a level surface.

- 5a. Remove the filter unit from the top of the aquarium. Mark the water level. Remove any excess water that may be sitting on the edge of the aquarium. Leave for an hour. If water level drops proceed to step 5b.

- 5b. Remove the fish, decorations and gravel. Empty the aquarium and clean the glass **DO NOT WASH IN SOAP OR DETERGENT.** Place a piece of newspaper on a flat level solid surface. Carefully fill the aquarium ensuring not to spill any water on to the newspaper. Leave the aquarium for several hours and then inspect the newspaper for wet patches.