



Aquabac

Hints & Tips For Best Results

FILTER MEDIA

Biological Filtration (Bio Cartridge and Noodles)

(AquaBac 60 only)

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 Ceramic Noodles.

- When starting a new system or using a new filter, it is important to remember that bacteria takes time to develop.
- You can speed up the process by 'seeding' the system with Aqua One Bio Start or by running the new and old filters simultaneously for a few weeks.
- Over time this media can block up or break down so it is important to monitor it.

ONLY RINSE BIOLOGICAL FILTER MEDIA WITH OLD WATER FROM THE AQUARIUM

Mechanical/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/ Biological Filtration (Filter Sponge or Bio Cartridge)

This is the process whereby suspended solids or particulate matter are removed from the water.

It is important to remove suspended solids not only to improve clarity of the water but also to:

- 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.
- Can also act as a biological filter medium by providing sufficient surface area to host beneficial bacteria



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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.

PUMP WORKING BUT NO / SLOW WATER FLOW

1. Check that filter intake is not clogged.
2. Check Impeller is in good condition and replace if needed.
3. Rinse all filter media.
4. Clean Impeller, power head and all Inlet and outlet pipes.

POWER HEAD NOT WORKING - NO WATER FLOW

1. Check that the unit is plugged in and that power is available.
2. Inspect the power cord for any signs of damage.

IF THE POWER CORD IS DAMAGED, DO NOT ATTEMPT TO REPAIR IT YOURSELF!

See your retailer about a replacement powerhead.

3. Check Impeller is in good condition and replace if needed.
4. Clean Impeller and power head, paying particular attention to the impeller chamber.