



aqua.plenish

Instructions

Electronic Pre-Treating Water Change System For Aquariums

Includes instructions for:

Extracting Water

Replenishing Water



The Aquaplenish Water Changer is the first retail product to provide an easy practical method to pre-treat new aquarium water.

Water Changes are a chore for Hobbyists and if not done regularly and correctly, the aquarium habitants can be harmed.

Treating or conditioning water before adding to the aquarium is best practice. Less stress on fish and more efficient use of conditioners.

The innovative Patent Pending Aquaplenish Electronic Water Changer is a practical device to assist keen hobbyists to pre-treat new water. New aquarium water is perfectly conditioned, set at the correct temperature and transferred to the aquarium with a push of a button.



01 Pre-treats Water 

02 Monitors Water Temperature 

03 Transfers Water 

+ Power Boost Your Gravel Vac 

What it does:

- ✔ Allows new aquarium water to be pre-treated
- ✔ Securely attaches to the rim of most containers
- ✔ Secure connection to the domestic water supply (less spills)
- ✔ Measures temperature of water while filling the container and when stored in the container
- ✔ Has a handy aquarium heater bracket (if preferred)
- ✔ Recirculates and aerates the water (option to naturally de-chlorinate new water)
- ✔ Conditioners can be safely added and mixed in the new water
- ✔ Easily transfers the perfectly conditioned water at the correct temperature to the aquarium with a push of a button
- ✔ Provides a power boost to the siphon gravel vacuum (transfer dirty water further - down a drain, outside & even uphill)
- ✔ Can be used to sustain new or sick fish in quarantine (No other water changer can do this)



What's included



1 x Aquaplenish Water Changer



1 x Gravel vacuum adapter



1 x 8m Hose



3 x Screw on snap fit adapter



1 x Gravel vacuum filter



1 x Plastic aquarium hook



6 x Snap fit hose fitting*



1 x Snap fit hose fitting - thread connector



1 x Foot valve



1 x Tap/faucet connector



1 x Double end coupling hose fitting*



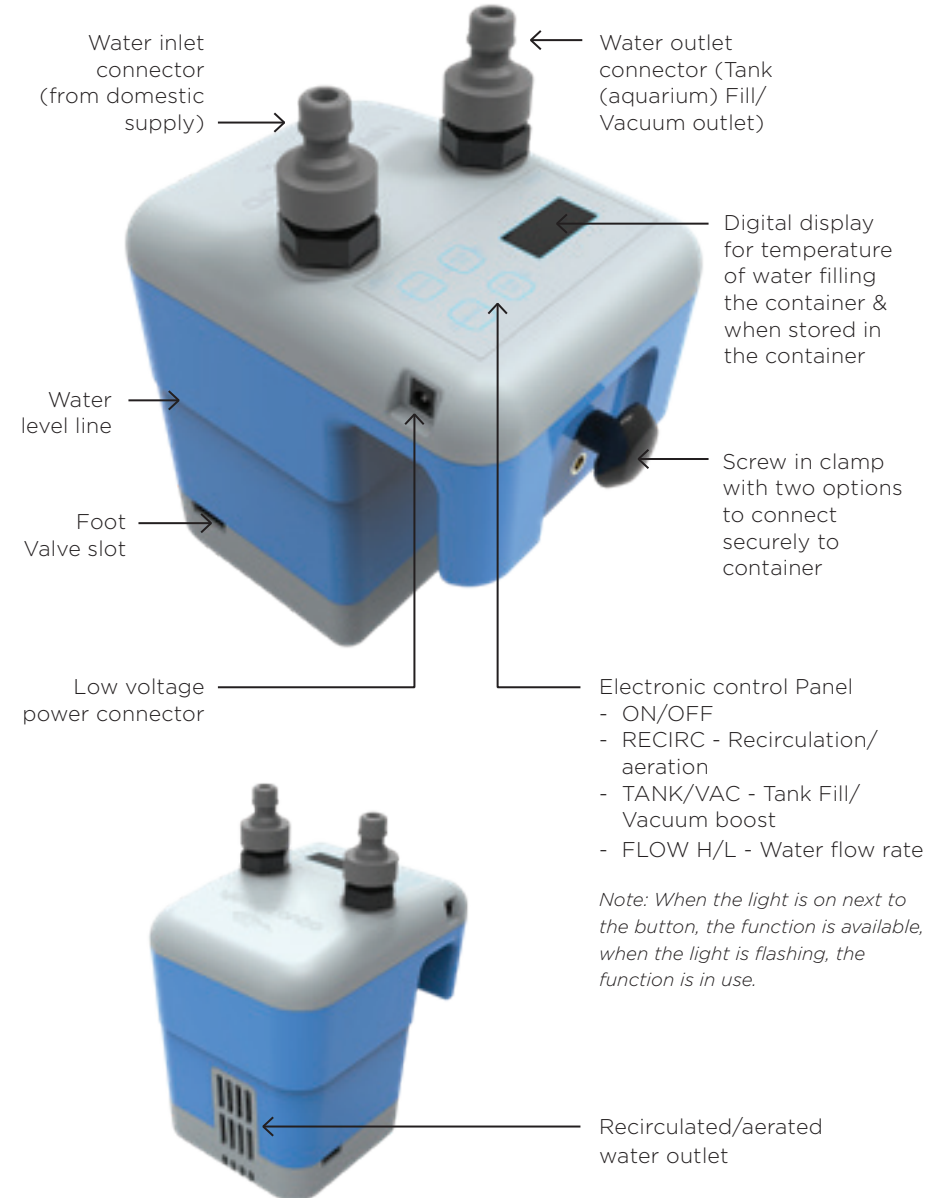
1 x Low voltage AC/DC Adapter



1 x Sponge Filter attachment

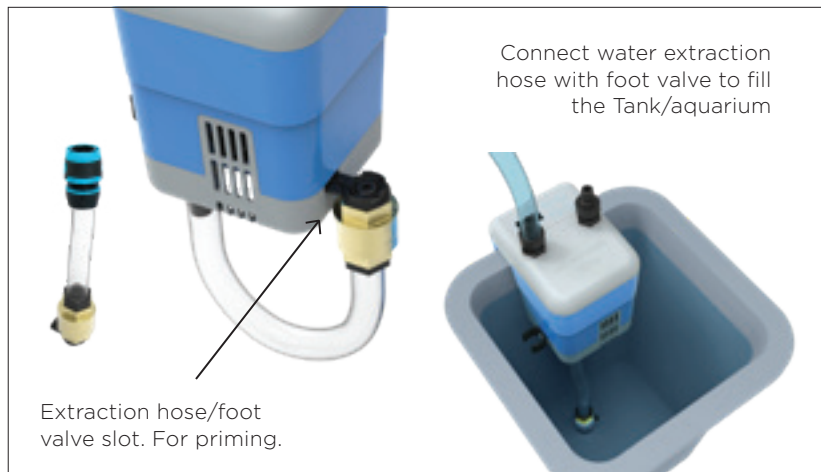
* 2 Extra connectors & 1 coupling provided to connect additional hose

Product Overview

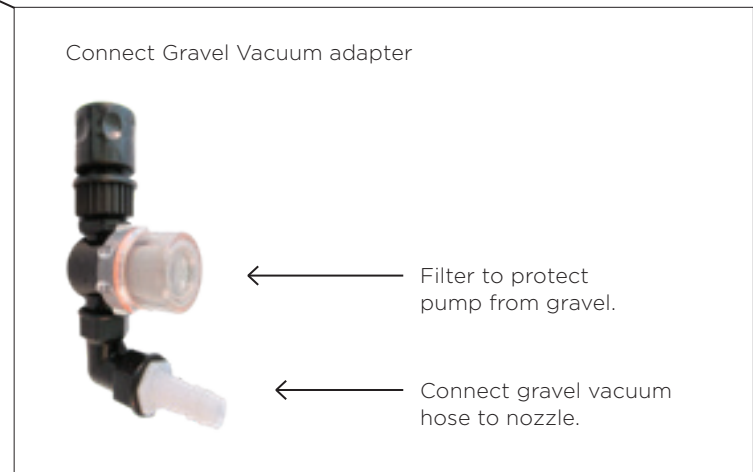



Note: When the light is on next to the button, the function is available, when the light is flashing, the function is in use.

Product Overview



OR




Extraction
of Aquarium
Water

Set up options 09

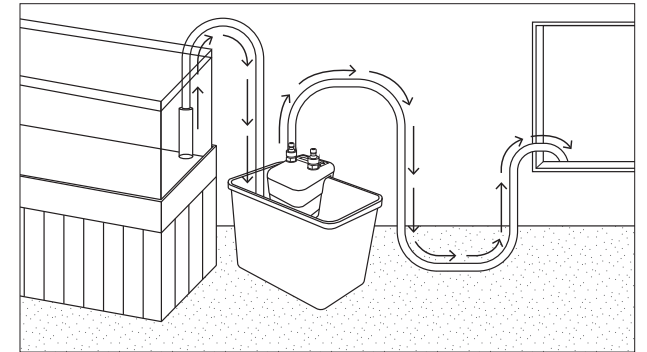
Step-by-step 10

Set up options

When extracting water through the gravel vacuum function, it is best to position the Aquaplenish Water Changer and container close to the aquarium. The container it is positioned on minimises any spillage and allows the gravel vacuum to be placed in the container when finishing the extraction of water.

OPTION A

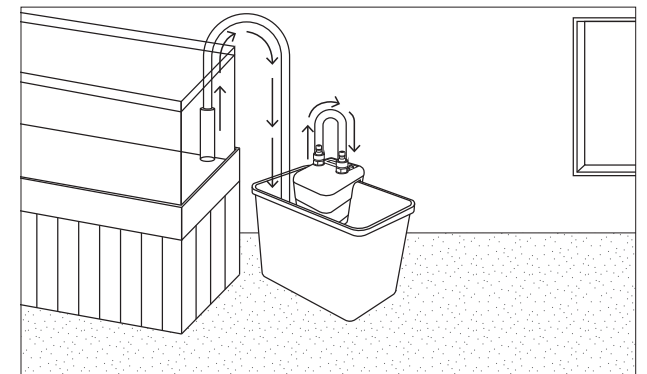
Attach the long hose to the water outlet positioned on top of the Aquaplenish Water Changer to transfer the water directly to the garden or down a nearby drain. The benefit of still using the container, is that it allows for any residual water to be caught in the container.



Gravel Vacuum function - pump the aquarium water outside/ to a drain

OPTION B

Loop the connection from the water outlet to the water inlet to allow the extracted water to safely flow into the container.



Gravel Vacuum function - pump the aquarium water into the container

Step by step instructions

STEP 1



Connect the 3 screw on snap fit adapters.

1-3 3 x Screw on snap fit adapter

Note: Ensure the washers supplied are placed in the screw on snap fit adapters. Screw on the adapters, ensure the connection is firm and watertight but don't over tighten, as the washers may be damaged and cause a leak.

The adapter connected on the bottom of the device must be watertight to ensure that the pump is appropriately primed and functioning correctly.

STEP 2

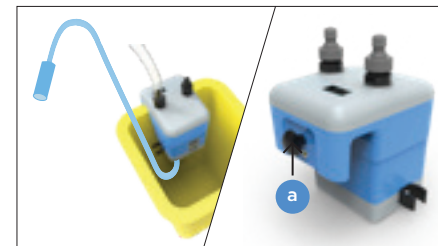


Connect Siphon Gravel Vacuum.

Attach the end of a siphon gravel vacuum to the Gravel Vacuum Adapter. Then connect the Aquaplenish Gravel Vacuum Adapter to the intake connection at the bottom of the Water Changer.

- 1 1 x Snap fit hose fitting - thread connector
- 2 1 x Gravel vac filter - male thread
- 3 1 x Gravel vacuum adapter

STEP 3

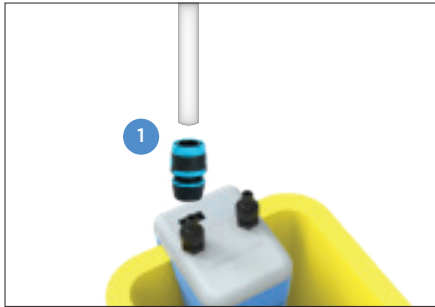


Place the Aquaplenish Water Changer on the inside rim of a separate container.

You choose the container to best suit your needs. Use the clamp (a) to secure the Water Changer. Choose the appropriate screw hole to ensure the Water Changer is secure.

Connect the Water Changer to a power point and turn it on.

STEP 4.A



**Extraction setup
- as per Setup Option A**

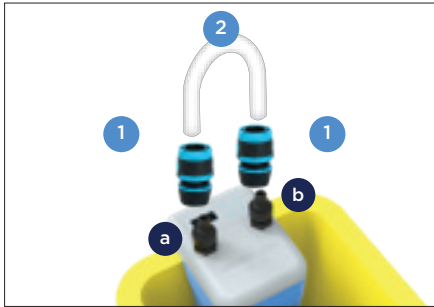
Connect the longer hose to the outlet connector and place the end of the hose in the garden or nearby drain.

- 1 1 x Snap fit hose fitting

Note. If you are having difficulty priming the pump when the longer hose is connected. Connect the shorter hose as in step 4.B with the end of the hose pointing into the container. Once the water is flowing into the container connect the longer hose to the shorter hose with the connector provided. This is recommended when extracting water to a higher level. (refer comments step 5.)

Additional connectors are provided for this purpose

STEP 4.B

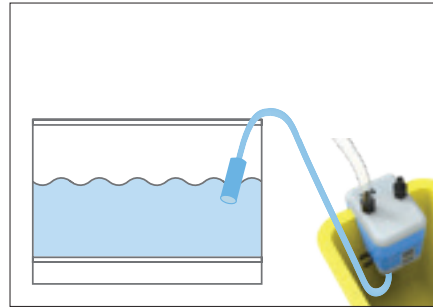


**Extraction setup
- as per Setup Option B**

Attach the quick fit hose to the water outlet (a). Place the end of the hose in the container or connect the other end of the hose to the intake connection to allow the extracted water to safely flow into the container (b).

- 1 2 x Snap fit hose fitting
- 2 Length of hose

STEP 5



Prime the Siphon Gravel Vacuum.

Prime the siphon gravel vacuum as per usual ensuring there is no air in the hose and the water is freely flowing. (refer comments below) Activate the powered water extraction by pressing the ON button followed by the Tank/Vac button on the electronic control panel.

Note: If you don't see a change in suction power coming through the gravel vacuum turn off the water changer and re prime the gravel vacuum.

Siphon Gravel Vacuum

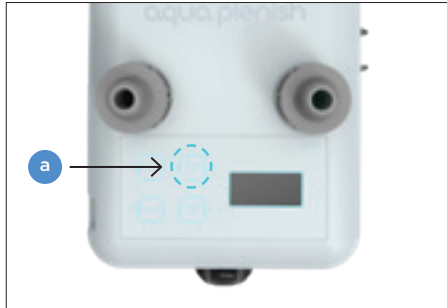
A tube used to convey water upwards from the aquarium and then down to a lower level of its own accord. Once the liquid has been forced into the tube, typically by suction or immersion, the flow continues unaided.

This siphoned water when connected to the gravel vacuum adapter of the Aquaplenish Water Changer primes the pump and allows water to the extracted faster, further and higher.

Priming the pump

For the pump to work effectively, it needs to be primed with water in the suction side of the pump, as any air in the hose/ tube will inhibit the ability of the pump to create enough suction to draw the water into the tube.

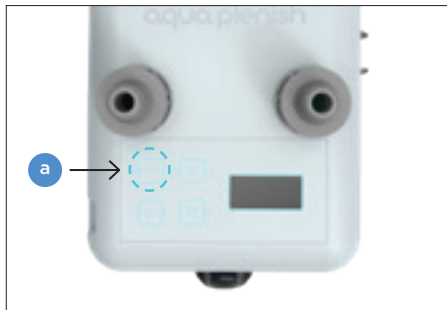
STEP 6



Commence powered water extraction.

Press the High/Low button (a) on the electronic control panel to control the water extraction flow. If the filter gets clogged power off the water changer and clean the filter.

STEP 8



Powering off.

When the water has been extracted from the aquarium press the off button (a) on the electronic panel.

Then remove gravel vacuum from the aquarium. We recommend to clean the gravel vacuum filter after use.

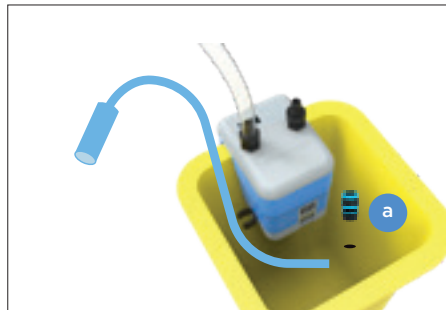
STEP 7



Use the Gravel Vacuum as usual.

Warning: The natural siphoning of water through the gravel vacuum may continue while connected to the Water Changer, even if the pump is turned off. Ensure the gravel vacuum is removed from the aquarium immediately after use to prevent the accidental extraction of water.

NOTE



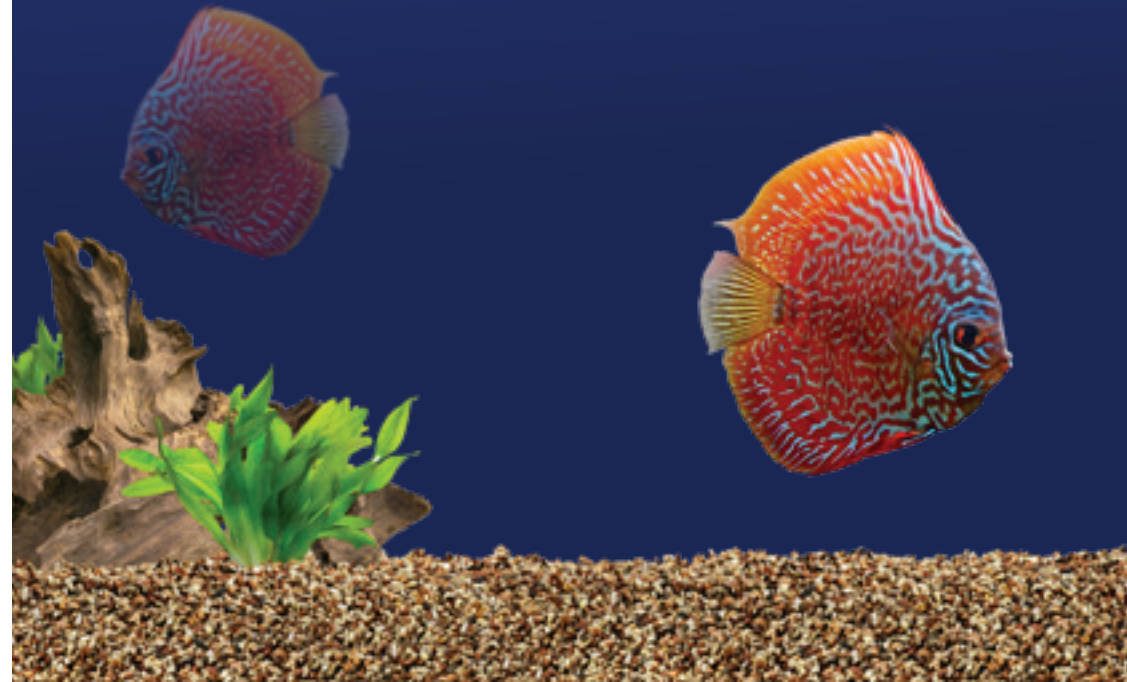
Important.

If the gravel vacuuming process is stopped or disrupted, you may have to re-prime the pump. Simply disconnect the snap fit hose connector attached to the gravel vacuum adapter (a) and let any residual water release into the container. Reconnect the adapter and recommence the process in step 5.



Replenishing treated water to the aquarium

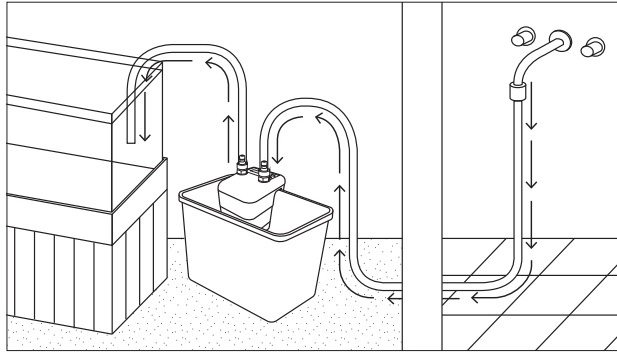
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Set up options

OPTION A

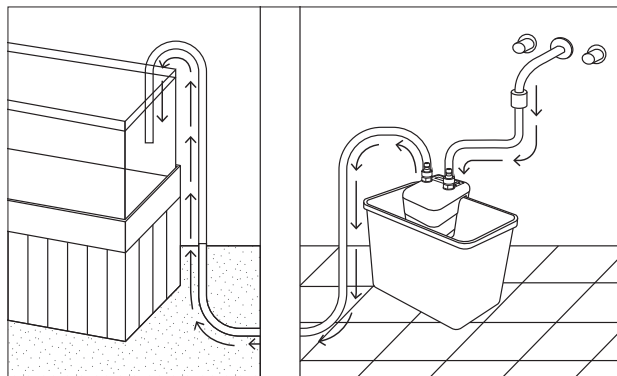
Position the Aquaplenish Water Changer next to the aquarium. Hose and connections are provided to allow the transfer of domestic supply water to the Aquaplenish Water Changer.



Water replenishing function - fill the container with domestic water.

OPTION B

Position the Aquaplenish Water Changer in a convenient wet area in the apartment/ house. Simply transfer the water directly to the aquarium after conditioning.

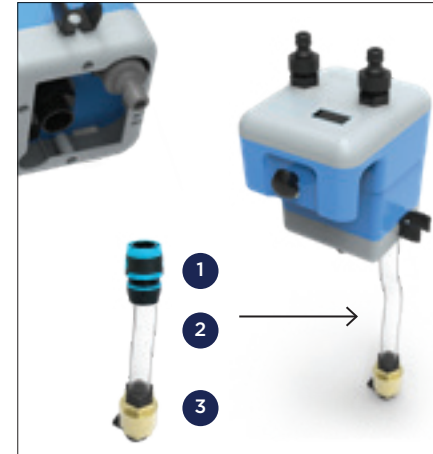


Water replenishing function - fill the container in a wet area and pump the treated water to the aquarium.

Hose connectors and a tap/faucet connector are supplied to provide flexibility for the Hobbyist. Empty containers are easier to move. Use the Aquaplenish Water Changer to transfer the water to the container or aquarium.

Step by step instructions

STEP 1



Connect water extraction hose.

Cut the hose to the length required to reach the bottom of the container. Connect the foot valve to one end and the snap fit connector to the other end. Attach the snap fit connector to the tank Fill/Vac connector on the bottom of the Water Changer.

- 1 1 x Snap fit hose fitting
- 2 1 x Length of hose dependent on the depth of container
- 3 1 x Foot valve/primer button

Note: The foot valve prevents water flowing backwards into the container when the pump has been stopped or paused. This ensures that the pump is continually primed.

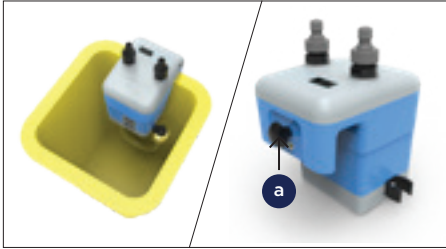
STEP 2



Position valve.

Ensure that the foot valve situated on the end of the intake hose is placed into its holding slot at the side of the Water Changer.

STEP 3

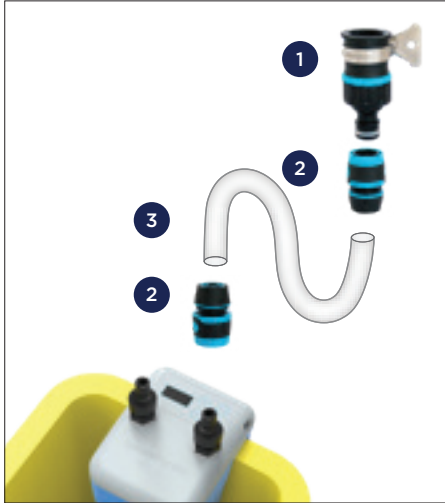


Place the Aquaplenish Water Changer on the inside rim of a separate container.

You choose the container to best suit your needs. Use the clamp (a) to secure the Water Changer. Choose the appropriate screw hole to ensure the Water Changer is secure.

Connect the Water Changer to a power point and turn it on.

STEP 4



Connect to domestic water supply.

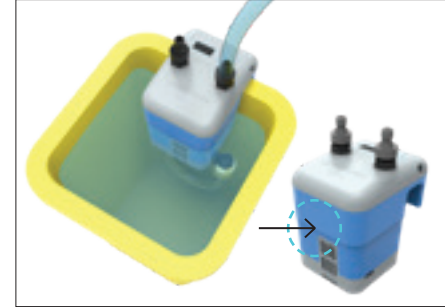
Attach the hose from the faucet/tap to the water intake connector positioned on the top of the Water Changer.

- 1 1 x Tap/faucet connector
- 2 2 x Snap fit hose fitting
- 3 Length of hose

Note: You may choose to connect a longer snap fit hose to transfer the water to the aquarium area.

Additional connectors are provided for this purpose.

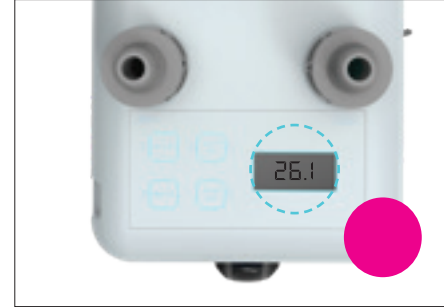
STEP 5



Fill the container with water to the level of the indented line on the Water Changer, covering the grill at the front.

This ensures that the pumps are sufficiently immersed in the water and can function properly.

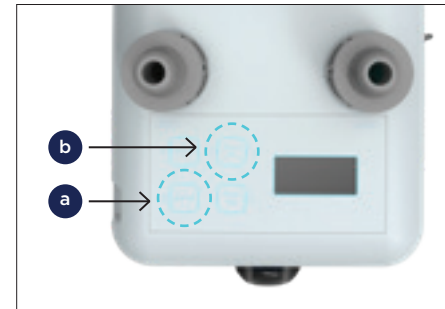
STEP 6



Check water temperature.

Check the temperature on the electronic display of the water flowing through the water changer.

STEP 7



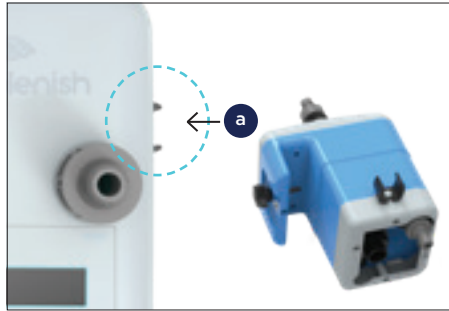
Condition the water.

Press the recirculation button (a) on the Electronic Control Panel.

Adjust the water flow speed (b) for the aeration and recirculation process.

Chemical additives/conditioners can be safely added and thoroughly mixed.

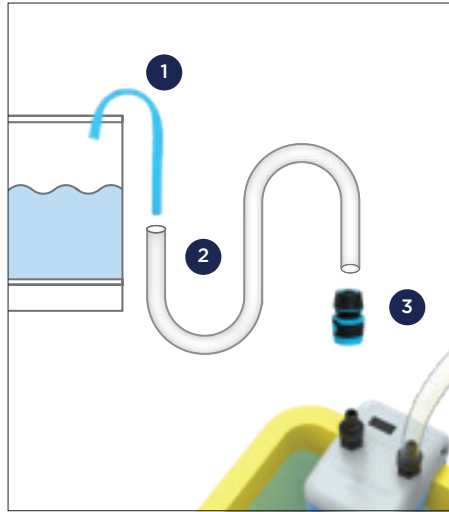
STEP 8



Monitor & Adjust temperature.

Add warm/cold water as required or attach an aquarium heater to the bracket (a) on the side of the Water Changer to achieve the correct water temperature to match the aquarium.

STEP 9



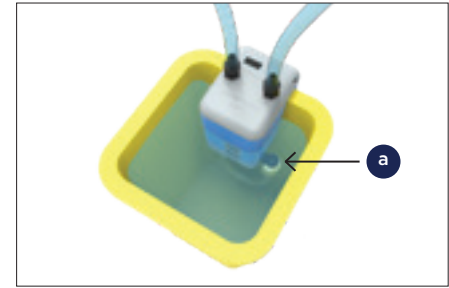
Connect the Water Changer to the aquarium.

Connect the hose to water outlet connector on the top of the Water Changer.

Place the other end of the hose with the plastic hook onto the rim of the aquarium with the hose outlet safely in the aquarium.

- 1 1 x Plastic aquarium hook
- 2 1 x Length of hose
- 3 1 x Snap fit hose fitting

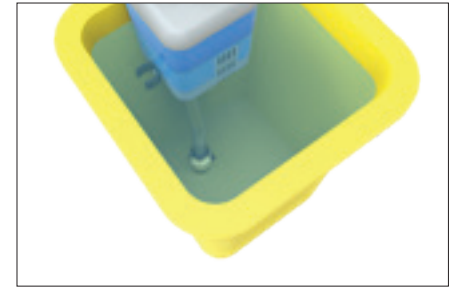
STEP 10



Prime the pump to transfer water to the aquarium.

Gently depress with your finger the button valve facing upward on the end of the intake hose (a) as it is sitting in the slot on the water changer. This valve should be below the water line. This allows the air in the hose to be released as the hose fills with water and primes the pump. You may have to press and release the button a few times to ensure all the air has escaped.

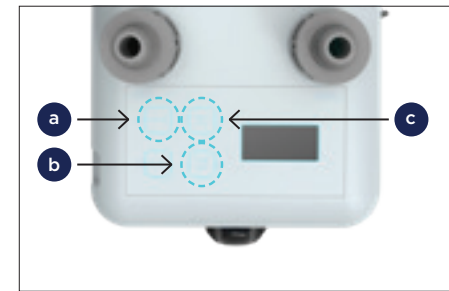
STEP 11



Disconnect hose from holding slot on side of the Water Changer

Once the hose is full of water release your finger and remove the valve from its holder and allow the hose to drop to the bottom of the container.

STEP 12



Set the water flow speed.

Turn on the device. (a) Press the tank/vac button (b) to transfer the water to the aquarium. Adjust the water flow rate if appropriate. (c) When the water has been transferred to the aquarium press the off button (a) on the electronic panel.

Troubleshooting

Load/squealing noise or limited water flow.

If the pump is noisy or making a loud squealing noise turn off the Water Changer immediately as it is a sign that the pump is running dry or not primed properly.

Ensure the connectors are firm and airtight. Refer to the following functions.

Gravel Vacuuming

You have to prime your gravel vacuum so water is free flowing through the Water Changer before pressing the Tank/Vac button on, this ensures that there is no air in the system. If you are finding it hard to prime the gravel vacuum when a long extraction hose is connected, connect the shorter hose as in step 4.B with the end of the hose pointing into the container. Once the water is flowing into the container add the longer hose with double end coupling hose fitted to the longer hose so you can just easily connect it and then press the Tank/Vac button and choose either high/low on the control panel.

If the flow rate slows down while gravel vacuuming check to see if the gravel vacuum filter is blocked if so clean the filter and re prime the gravel vacuum and continue gravel vacuuming.

Recirculating/aerating water

Water Level - Ensure when recirculating water through the Water Changer that the water level is at or above the indented line on the side of the Water Changer. This ensures that the pump inlet

tube is submerged primed correctly. Sponge filter and adapter doesn't need to be used unless you are setting the Water Changer to be used as a temporary quarantine tank or cleaning an aquarium filter.

Replenishing water/transferring water from the container to the aquarium

Water Level - Ensure when first replenishing the aquarium with the water changer that the water level in the container is at or above the indented line on the Water Changer. This ensures that the pump is correctly primed with water. Refer Step 10. If there is a loud squealing noise or the flow of water from the container to the aquarium stops, turn off the Water Changer immediately, the container may have been emptied, or if the water level in the container is above the foot valve resting on the bottom of the container, there may be leak in the hose/line between the foot valve and the outlet on the top of the Water Changer. Check all the fittings to make sure they are connected properly and the o rings/washers haven't been damaged from over tightening. Check the foot valve button to ensure it releases back into position after being pressed down. If caught in the pressed down position, unscrew the button, so it releases and retighten.

Always turn off the Water Changer when finished replenishing water to ensure when there is no more water in the container the pump doesn't run dry.

(One way to check that it is airtight is to unclip the hose connector on the top of the Water Changer which transfers water to the aquarium. Ensure that the hose with the foot valve is connected to the water changer and blow into the top outlet. There should be resistance as the pressure builds. Test the foot valve button that pressure is released when it is pressed.)

Problems identified with water change practices:

- ⊗ Water change process is time consuming and messy.
- ⊗ Exposure of fish to potentially damaging unconditioned water.
- ⊗ Lifting of heavy buckets and water spillage.
- ⊗ Siphon gravel vacuums are slow and normally limited to filling a bucket at the foot of the aquarium.
- ⊗ Over use of chemical additives.
- ⊗ Lack of regular water changes have a negative impact the health of aquarium inhabitants.

Benefits of the Aquaplenish Aquarium Water Change System:

- ✔ Makes the best quality pre-treating water changes faster and easier.
- ✔ Less stress on the fish during water change process.
- ✔ No lifting of buckets and reduced incidence of water spillage.
- ✔ The Water Changer adapter boosts the flow of extracted water, transfers it further, ideally outside to the garden and even uphill.
- ✔ Chemicals/conditioners only required for the volume of water being replenished into the aquarium, not the total volume of water in the aquarium.
- ✔ Promotes regular, high quality water changes that benefit aquarium inhabitants.





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