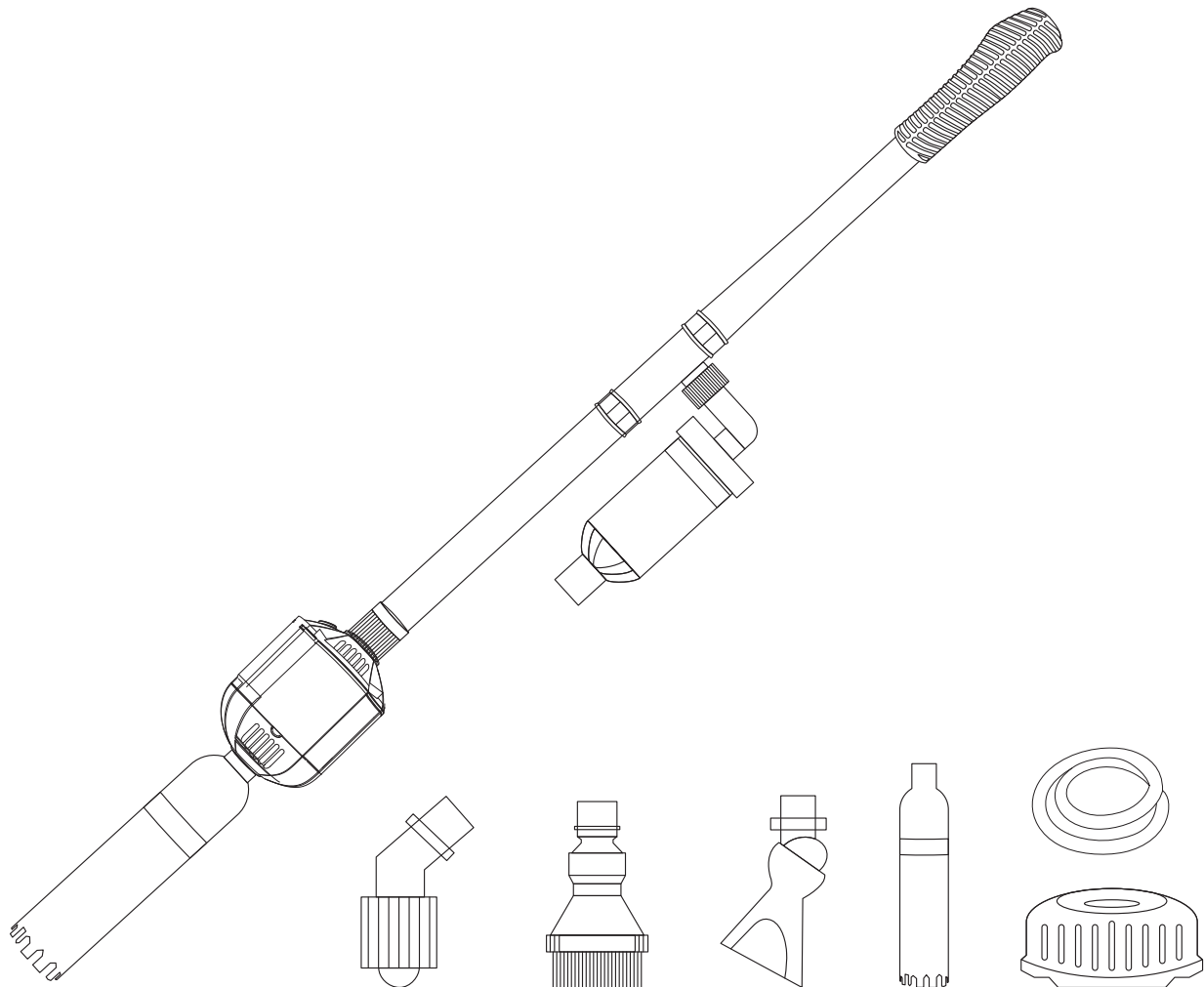




HG292 USER MANUAL

hygger 360GPH Electric Aquarium Gravel Cleaner



The hygger 360GPH Electric Aquarium Gravel Cleaner is a versatile tool to clean gravel, wash sand and change water. Please read this user manual carefully before using it and follow strictly in accordance with the manual.



WARNING

Always keep the connector of wire away from water.

1. PRODUCT FEATURES

Multi-function :

This vacuum cleaner can be used for water change, fish waste cleaning and sand washing.

Powerful Vacuum :

Water pump provides strong water flow, power enough to change water, suck out debris and fish waste out of aquarium quickly.

Adjustable Handle :

Aquarium gravel cleaner with 4 extension tubes for a total length of 103cm. It can be extended from 29-103cm. Applied to most aquariums, short or tall.

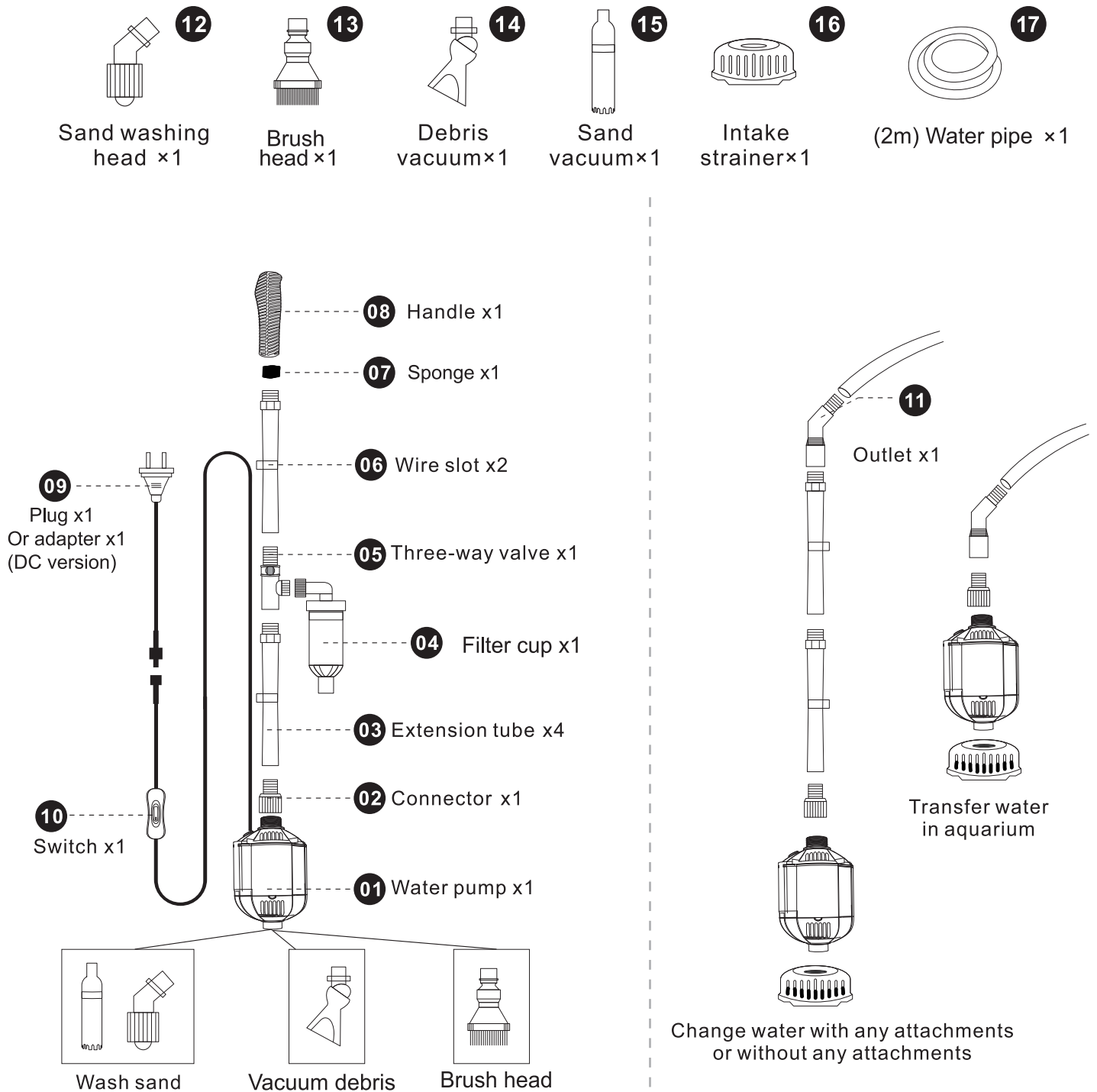
Easy to assemble:



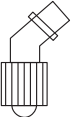
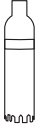
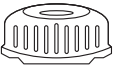
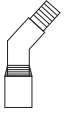
Quick assemble in just few minutes. Always keep water pump fully submerged. The latest upgraded exhaust device can improve the user experience during use.

Specifications:

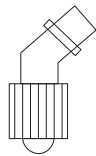
Model	HG292-DC	HG292-AC
Power	20W	15W
H-MAX	1.5M(4.92ft)	1.5M(4.92ft)
F.MAX	360GPH/1350LPH	360GPH/1350LPH
Voltage	DC12V	US standard: AC120V/60Hz EU/UK/AU standard: AC220-240V/50Hz
Line length	5M(16.4 ft)	3.2M(10.5ft)
Outlet	16mm (5/8")	16mm (5/8")

2. METHOD OF APPLICATION

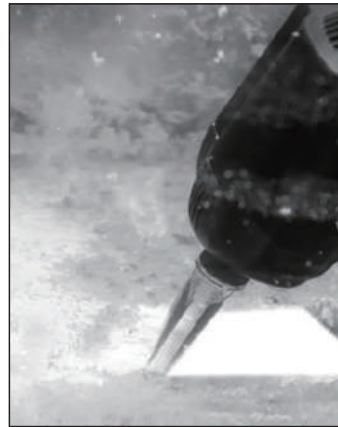


	Debris vacuum	Remove debris	Absorb fish waste and other debris
	Brush Head		Clean the dirt into the filter
	Sand washing head	Wash sand	Wash large gravels
	Sand vacuum		Quick wash sand, separates and removes debris
	Intake strainer	Water change	Keep large gravel from entering pump to prevent blockage while operating
	Outlet	Outlet	Connect soft water pipe to change water

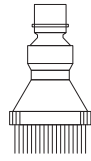
APPLICATION USE



Clean fish waste or dirt from the gaps of large stones



Scrape algae and suck up fish waste



Brushing and cleaning



Wash gravel

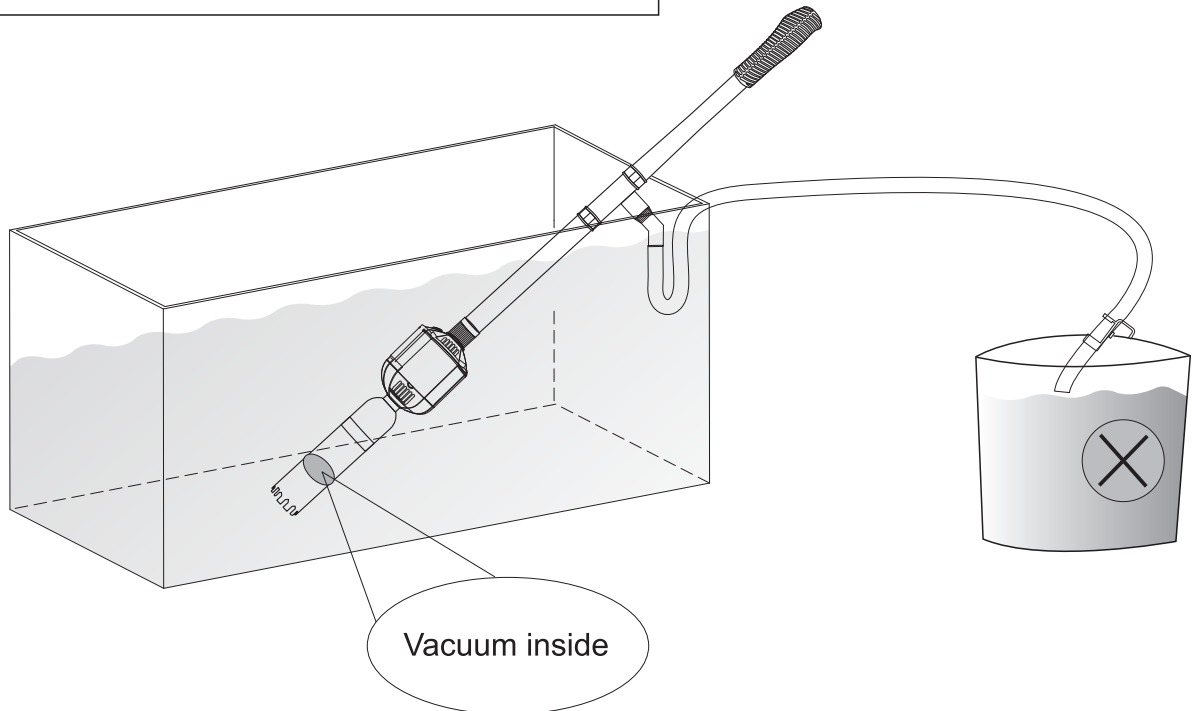
Attention: Lift the filter cup quickly when removing sand and gravel impurities. Doing so prevents excessive sand and gravel from blocking the water inlet and keeps the cleaning effective.

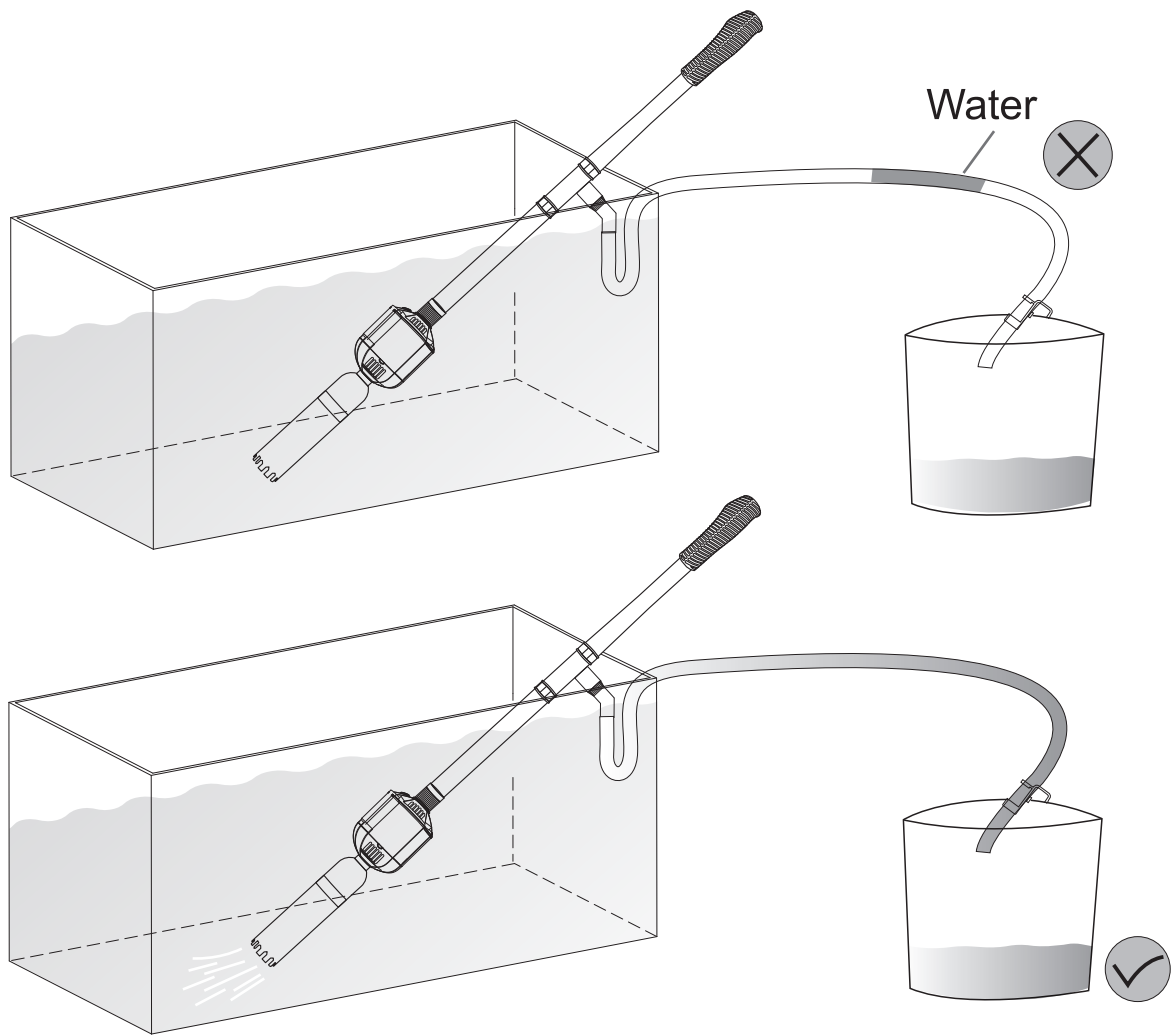


Water intake or water changing



Low-water-level water circulation





When using the gravel cleaner, please note the following operating instructions:

- 1. Please install the water changer correctly according to the user manual before use.**
- 2. Always place the pump underwater before powering it on. If the pump is powered on in the air, it will trap air inside and fail to flow. If this occurs, turn off the power, submerge the pump completely, and then restart.**
- 3. If the flow stops while using the sand vacuum, gently shake it underwater to release trapped air. Alternatively, toggle the power switch on and off several times to prime the pump.**
- 4. When performing a water change, ensure the outlet hose is empty of water before starting. If the pump fails to work, please drain any remaining water from the hose.**

✓ When use the gravel cleaner in aquarium, please keep the filter cup out of the water.

✓ Regularly take filter cup out and clean filter sponge .

✓ Filter sponge can be replaced by any other brand sponges, filter pads.

3. ATTENTIONS

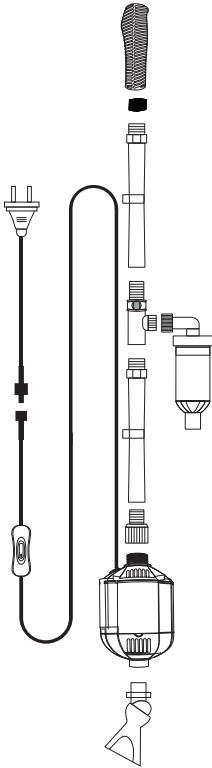
Please read this user manual carefully before using and follow strictly in accordance with the manual.

✓ Do not run dry.

- ✓ Please keep water pump completely submerged when it is on duty.
- ✓ Please keep it away from the children.
- ✓ Do not use this gravel cleaner if the power lead damaged.
- ✓ Do not use the gravel cleaner in flammable and corrosive liquid.
- ✓ Avoid using the water changer in extreme temperatures. Use only within 40°F–95°F (4°C–35°C) to prevent pump damage.

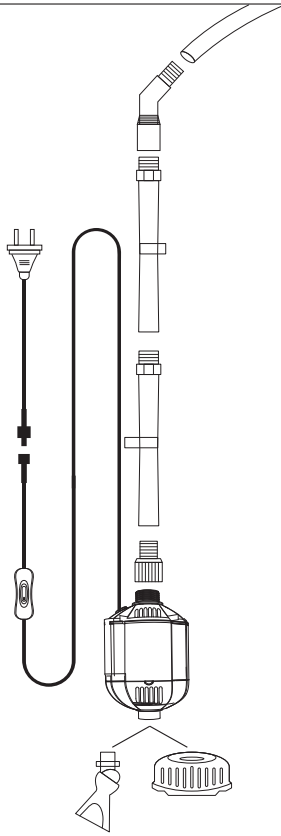
4. ASSEMBLE INSTRUCTION

Please follow below steps to assemble the appropriate attachments to avoid impeller blockage.

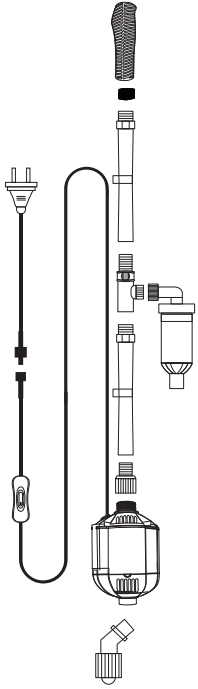
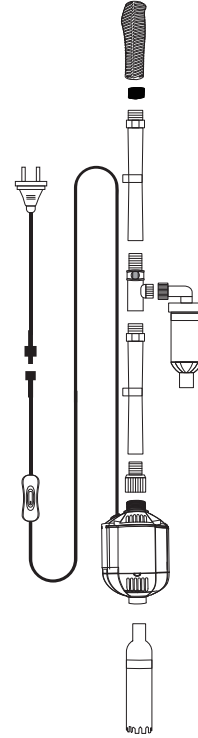
<i>Application Environment</i>	<i>Purpose</i>	<i>Assemble</i>	<i>Instruction</i>
Without gravel in the tank	Remove debris		<ol style="list-style-type: none"> 1. Screw connector onto the water pump. 2. Connect it with the extension tube. 3. Connect with the three-way valve. 4. Connect the filter cup to the three-way valve. 5. Connect one section of extension tube or handle to the three-way valve. 6. Connect the debris vacuum to the water pump. <p>Clip electric wire on wire slot to fix the wire. Then put the gravel cleaner in the tank and you're good to go.</p> <div style="border: 1px dashed black; padding: 5px; margin-top: 10px;"> <p>Note: When removing debris, the water will flow back to the aquarium, please connect the filter cup to the water pipe.</p> </div>

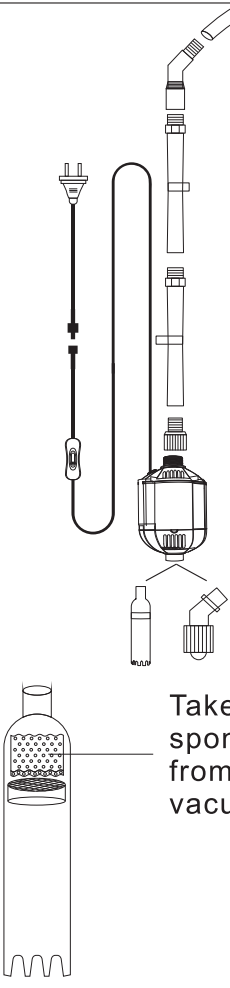
***Without gravel
in the tank***

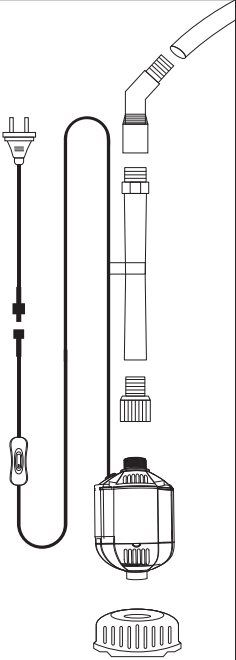
***Change
water***



You can assemble any attachments to do water change.

<i>Application Environment</i>	<i>Purpose</i>	<i>Assemble</i>	<i>Instruction</i>
There is gravel in the tank	Remove debris & wash sand	<p>1</p> 	Use sand washing head to wash coarse sand.
		<p>2</p> 	<p>Using sand vacuum to wash fine sand, pull out debris from gravel in case sand suck into water pump.</p> <p>*Note:</p> <ol style="list-style-type: none"> 1.Place sand vacuum into gravel. 2.Keeps sand vacuum upright and slightly lift the device to do the cleaning horizontally. 3.Repeat previous steps until gravel is clean.

<p><i>There is gravel in the tank</i></p>	<p><i>Water change</i></p>	 <p>Take out a sponge pad from sand vacuum.</p>	<p>Use sand washing head or sand vacuum to transfer water.</p>
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<i>Application Environment</i>	<i>Purpose</i>	<i>Assemble</i>	<i>Instruction</i>
<p>Refill: Put the gravel cleaner into bucket</p>	<p>Intake strainer</p>		<ol style="list-style-type: none"> 1. Connect outlet on the end of extension tube. 2. Connect the intake strainer to the water pump. 3. Connect the water pipe to the outlet. 4. Place the gravel cleaner into bucket, plug in power.



5. WARNING: To guard against injury, basic safety precautions should be observed including the following:

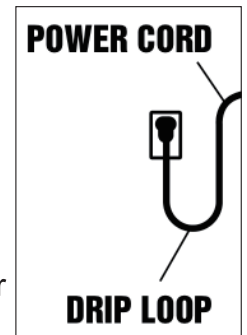
1. Read and follow this user manual strictly.
2. **DANGER-**To avoid possible electric shock, special care should be taken since water is employed in the use of aquarium equipment. For each of the following situations, do not attempt to repair yourself; return the pump to an authorized service facility for service or discard the pump.

A.If the pump shows any sign of abnormal water leakage or RCD(or GFCI-Ground Fault Current Interrupter), unplug the power and remove the pump from water.

B.Carefully examine the pump after installation. It should not be plugged in if there is water on parts not intended to be wet.

C.Do not operate the pump if it has a damaged cord or plug, if it is malfunctioning or if it is dropped or damaged in any manner. The power cord of this pump cannot be replaced, if the cord is damaged, the pump should be discarded.

D.To avoid the possibility of the pump plug getting wet, position aquarium stand and tank to one side of a wall mounted receptacle to prevent water from dripping onto the receptacle or plug. A “drip loop”, shown in the figure below, should be arranged by the user for each cord connecting the pump to the receptacle. The “drip loop” is the part of the cord below the level of the receptacle, or the connector. If an extension cord is used, to prevent water traveling along the cord and coming in contact with the receptacle. If the plug or receptacle does get wet, **DO NOT** unplug the cord. Disconnect the fuse to the circuit breaker that supplies power to the pump. Then unplug and examine for the presence of water in the receptacle.

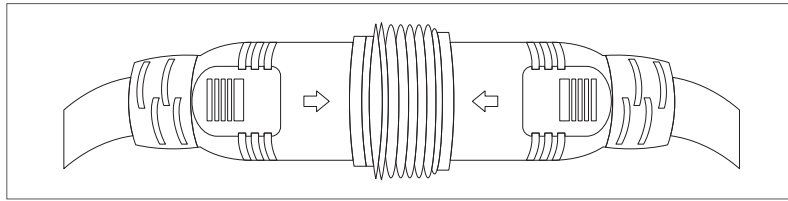


E.① Insert the cable plug into the jack. Pay attention to the arrow in the same horizontal line, shown in the figure below

② Tighten the knob.

③ The connector is not waterproof, please keeping it away from water, otherwise accidents are likely to occur.

④ The hygger's cable or adapter can not be matched with other brand product, otherwise, accidents are likely to occur.



3. Close supervision is necessary when the pump is used near children.
4. This pump is not allowed to use by persons(including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the pump by a person responsible for their safety.
5. To avoid injury, do not contact moving parts or hot parts and so on.
6. Always unplug the pump from the outlet when not in use, before putting on or taking off parts, and before maintenance or placing hands in the water. Never yank the cord to pull plug from outlet. Grasp the plug and pull to disconnect.
7. Do not use the pump for other than intended use. The use of attachments not recommended or sold by the appliance manufacturer may cause an unsafe condition.
8. Do not install or store the pump where it will be exposed to the weather or to temperatures below freezing. This pump is suitable for use in water temperatures 40~ 95°F.
9. Do not submerge more than 3ft of water depth.
10. Do not run dry or out of water.Keep water pump completely submerged.
11. Only use in freshwater or saltwater, do not use the pump in other liquids.
12. Make sure the pump is securely installed before operating it.
13. Read and observe all the important notices on the pump.
14. If an extension cord is necessary, a cord with a proper rating should be used. A cord rated for less amperes or watts than the appliance rating may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.
15. The pump is intended FOR HOUSEHOLD USE ONLY. Do not use or mount this pump in such a way that the top vents are restricted or blocked. These vents are necessary to avoid over heating and ensure safe operating temperatures.
16. Due to all the pumps need to be professional water testing by manufacturer before shipment, if the water pump you received with a little water, please don't worry, the little water was left from professional water testing, it is a normal phenomenon. It is new and normal pump.
17. SAVE THIS USER MANUAL.

6. TROUBLESHOOTING

Phenomenon	Reasons	Solution
Pump stopped working	<ol style="list-style-type: none"> 1.The power is not connected 2.Water pump damaged 3.Impeller blocked 4.Out of the water 	<ol style="list-style-type: none"> 1. Plug in power 2. Replace water pump 3. Take it out and clean motor 4. Submerge it completely
Noise	<ol style="list-style-type: none"> 1.Motor blocked 2. Motor worn or broken 	<ol style="list-style-type: none"> 1.Take it out and clean motor 2.Replace motor
Insufficient water flow	Impeller damaged	Replace impeller

7. PACKAGE INCLUDED

HG292-DC	HG292-AC
1x Adapter	1x Plug
4x Plastic tubes	4x Plastic tubes
1x Plastic handle with sponge	1x Plastic handle with sponge
1x Water pump	1x Water pump
1x Transparent sand vacuum	1x Transparent sand vacuum
1x Debris vacuum	1x Debris vacuum
1x Brush head	1x Brush head
1x Sand washing head	1x Sand washing head
1x Intake strainer	1x Intake strainer
1x Outlet	1x Outlet
1x Water pipe (2M)	1x Water pipe(2M)
1x Tee pipe	1x Tee pipe
1x Filter cup	1x Filter cup
1x Bag of spare accessories (4x suction cups +2 x rubble ring)	1x Bag of spare accessories (4x suction cups+ 2 x rubble ring)
4x Wire clips	4x Wire clips
1x Pipe clip	1x Pipe clip

8. CONTACT INFORMATION

Contact us at www.hygger-online.com

Email: mago@hygger-online.com