



Important Safeguards

This appliance is not intended for use by children or infirm persons without supervision. Young children should be supervised to ensure that they do not play with the appliance.

Warning: To guard against injury, basic safety precautions should be observed, including the following:

1. Read and follow all safety instructions before using this appliance.

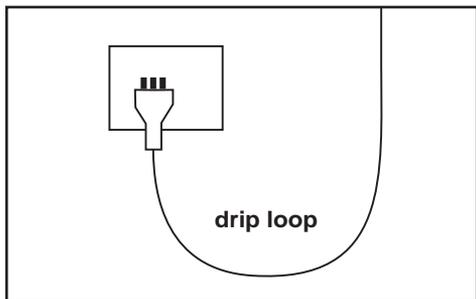
2. Danger: To avoid possible electric shocks, special care should be taken since water is employed in the use of aquarium equipment, for each of the following situations do not attempt repairs yourself. Return the appliance to an authorised service facility for service or discard the appliance.

b) Carefully examine the chiller after installation. It should not be plugged in when there is water on parts which are not intended to be wet.

c) Do not operate the chiller if it has a damaged cord or plug, or if it is malfunctioning, or dropped or damaged in any manner.

A “**drip loop**” (see the diagram) should be arranged by the user for each cord connecting an aquarium component to a power point. The drip loop is the part of the cord below the level of the power point or the connector if an extension cord used. It is used to prevent water traveling along the cord and coming in contact with the power point.

If the plug or power point does get wet, do not unplug the appliance. Disconnect the fuse or circuit breaker that supplies the power to the appliance, then unplug and examine for presence of water in the receptacle.



3. This appliance is not intended for use by young children or infirm people. Close supervision is recommended when any electrical appliance is used.

4. Always unplug the chiller from the electrical outlet; when not in use, before putting on or taking off parts, before any type of maintenance, or cleaning. Never yank the cord to pull it from the outlet. Grasp the plug and unplug to disconnect.

5. Do not use the chiller for reasons other than the intended use. The use of attachments that are not recommended or sold by the chiller manufacturer may cause the product to be unsafe. This is not recommended.

6. Do not install or store the chiller where it will be exposed to weather or temperatures below freezing.

7. Make sure any component mounted on a tank is securely installed before operating it.

8. Read and observe all the important notices on the chiller.

9. A **G.F.C.I** (Ground fault circuit interrupter) & surge protector is recommended for all electrical appliances.

10. If an extension cord is necessary, a cord with a proper rating should be used. Care should be taken to arrange the cord so that it will not be tripped or pulled.

11. Ensure input voltage is the same voltage as your local power supply.

12. Ensure your hand is dry when turning the power switch on/off and when inserting/removing the power cord from the receptacle.

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

For Guarantee Conditions, please refer to the Guarantee form that is enclosed with this product.

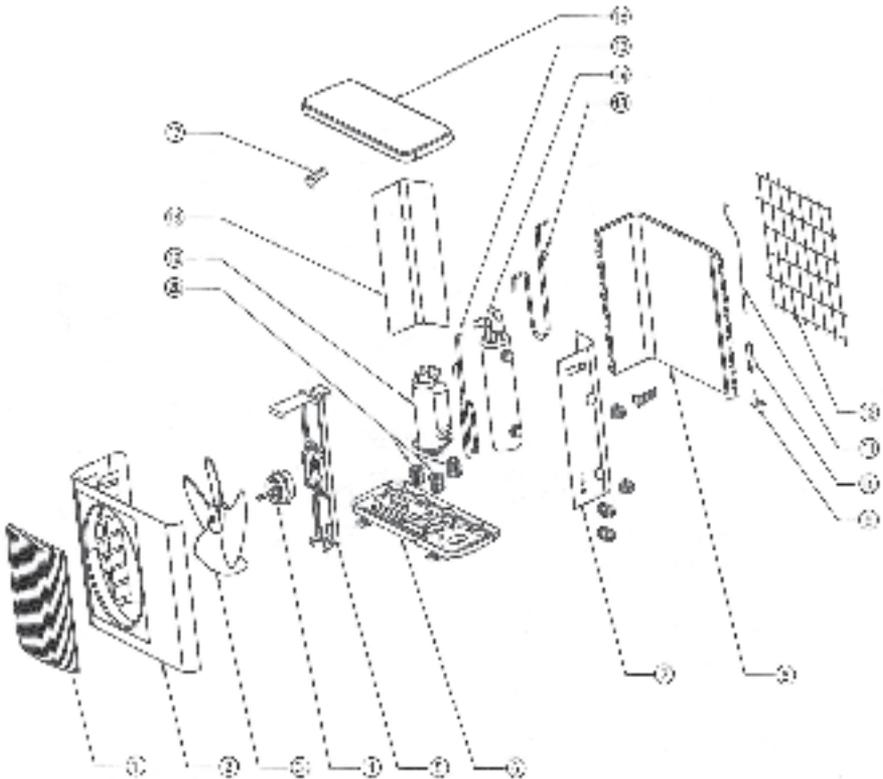
Before First Use / Preparation

Read and follow all the instructions, even if you feel you are familiar with the product and find a place to keep the instructions handy for future reference. Your attention is drawn particularly to the sections concerning "IMPORTANT SAFEGUARDS" and the "GUARANTEE CONDITIONS". Please ensure you retain your original purchase receipt in the event that guarantee service is required.

Carefully unpack the chiller making sure you keep all the packing material until all the parts of the product have been found and the product has been assembled.

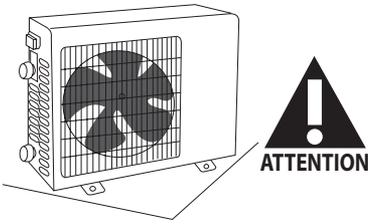
This Product is shipped to you in a factory sealed carton. Should the Product be damaged, dropped, malfunctions in any way contact the retailer where the product was purchased for inspection.

Know Your Chiller



1	Fan cover	6	Base	11	Expansion coil	16	Top cover
2	Main body	7	Side Plate	12	Radiator guard	17	Handle
3	Fan	8	Radiator	13	High pressure tubing	18	Side plate
4	Motor	9	Copper tubing	14	Titanium heat exchanger	19	Compressor
5	Motor mount	10	Filter	15	Low pressure tube	20	Rubber feet

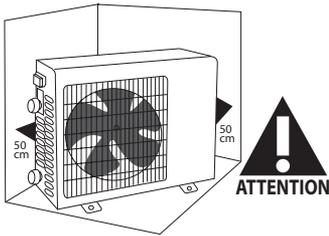
Hints & Tips for Best Results



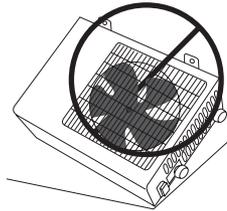
1. Place the unit on a level surface only.



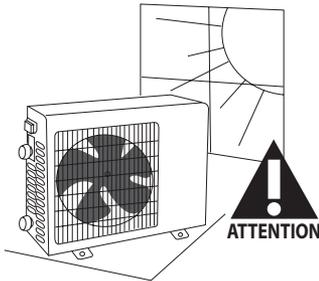
5. Do not cover the chiller.



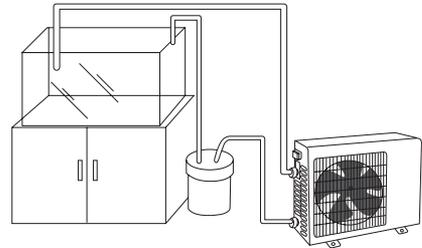
2. Allow adequate ventilation. Allow a radius clearance of a minimum of 20"/50cm.



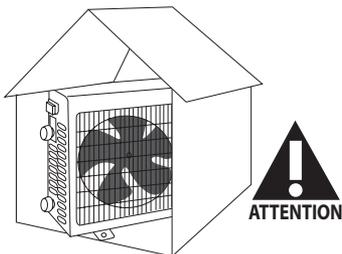
6. Do not tilt the chiller.



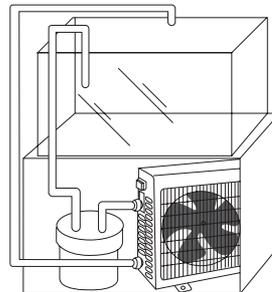
3. Keep the chiller away from direct sunlight, moisture, dust and flammable materials.



7. For operation outside the aquarium cabinet when returning water back to the aquarium the intake and the output should not be in close proximity.



3. Intended for indoor use only.



8. If the chiller is placed inside the aquarium cabinet it must be well ventilated. Failure to do so may cause the unit to overheat.

Aqua One Titanium Coil Chiller

The Aqua One 1200 Chiller is an efficient, professional grade chilling unit which incorporates the highest quality components.

The 100% titanium heat exchanger will not corrode in saltwater thus insuring a safe environment for fresh and saltwater fish, reef invertebrates and seafood aquariums.

- The rotary compressor is UL and CE listed, energy efficient and quiet.
- The R22 refrigerant meets all environmental and international guidelines.
- The digital computerised temperature controller is easy to use, accurate and reliable.
- The compressor is thermally protected.

Temperature Recommendations

FISH	OPTIMUM	MAXIMUM TEMP.
Goldfish/Koi	15 - 25°C	29°C
Tropical	25 - 26°C	29°C
Cichlids	25 - 26°C	29°C
Discus	27 - 28C	30°C
Salt water	25°C	28°C

Specifications

Model	CS-1200 CIIRV1
Voltage	220-240V
Frequency	50Hz
Power Consumption	735W
Current	3.5A
Refrigerant	R22
Refrigerant Weight	600g
Minimum Water flow	1000 L/H
Maximum Water flow	3000 L/H
Inlet	3/4" - 19mm
Outlet	3/4" - 19mm
Dimensions	78 x 36 x 55cm

Set Up Instructions

1 Check the voltage on the Chiller to verify that is the same as the electrical outlet.

2. Place the Chiller in a well-ventilated area & on a level surface.

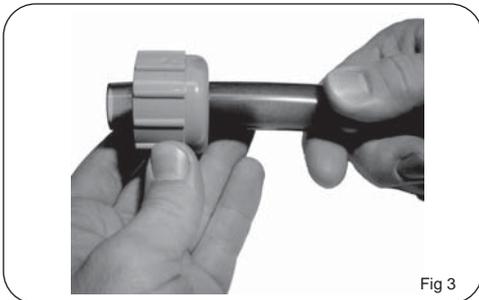
3. Remove both the inlet and outlet hose clamps by turning them anti clockwise. Fig1



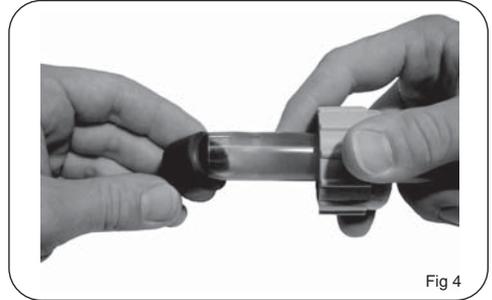
4. Then remove the rubber grommets. Fig2



5. Feed the hose clamps over your hose. Fig3



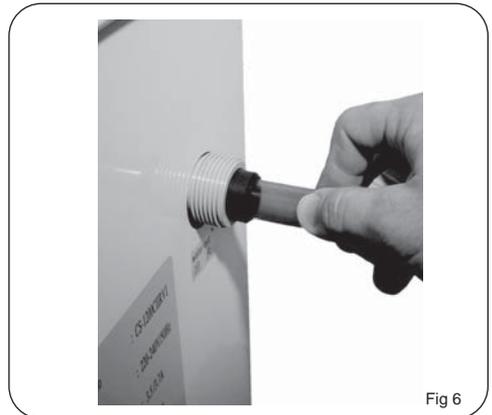
6. Push the rubber grommets over one end of your hose. Fig4



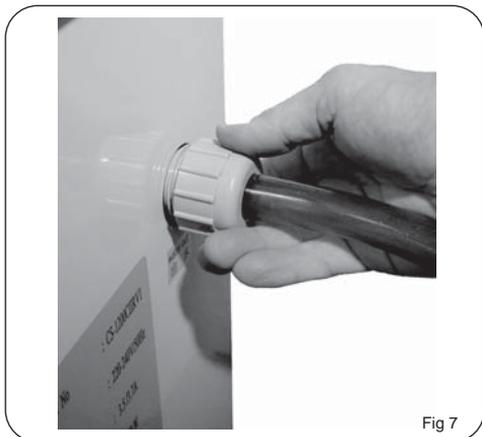
7. Ensure it is firmly pushed on all the way and is flush at the end. Fig 5



8. Then insert the hose end with the grommet on it into the inlet/outlet. Fig6



9. Tighten the hose clamps. **NOTE**; do not use any tools to tighten them. Hand tight will do. Fig7



10. In order to check you installation, place your thumb on the end of one piece of hose and your mouth on the other. Blow and have someone place there ear near both the inlet and outlet to check for leakage. If it is not air tight repeat steps 3 to 10. If you require any further help with the set up consult your aquarium specialist.

11. It is important that the water be filtered prior to it going through the chiller. Either a power head with a pre filter or a canister filter is recommended.

12. Connect the outlet of your pump to the inlet of the chiller.

13. The outlet or return hose cannot be too close to the pump or water source that supplies water to the chiller as this will greatly reduce the efficiency.

14. Turn on the pump (power head/canister filter). There must be water in the chiller prior to plugging the unit into the electrical outlet.

15. Ensure that there are no kinks in the hoses & check for water leaks. If a leak is detected repeat steps 3 to 10.

16 **DO NOT TURN THE CHILLER ON.** Allow the unit to sit for a minimum of 1 hour in its final position to allow the gases within the unit to settle. Do this when ever the unit is cleaned or moved.

17. Plug the chiller into the power receptacle. Once plugged in the chiller will sound a beep until the temperature is set.

18. To set the temperature press the set button on the control unit until the red LED light is illuminated.

19. Once the light is on press the up button to raise the temperature and the down button to reduce the temperature. When the desired temperature is reached, press the set button again. The red LED light (SET) turns off when the temperature is set.

Note:

- If installing the chiller on an established aquarium lower the temperature by 1 to 2 degrees per day.
- If the chiller is turned off it will take a minimum of three minutes to come back on.
- It will take up to five minutes for the digital thermostat to adjust to the aquarium temperature and reset itself prior to it turning back on.

Maintenance

1. It is highly recommended to clean the radiator once a month in order to maintain optimum performance. To do so gently remove the three screws at the top of the unit which hold the top cover on. Remove the cover this will give you access to the radiator and fan unit. Vacuum the radiator and fan unit to remove all dust and debris. For a major service contact your aquarium specialist.

2. Once a month flush the internal heat exchanger with clean fresh water. DO NOT use soap or detergents. To do so remove the inlet and outlet from the aquarium and run clean tap water through the unit.

3. DO NOT hose down or use water to clean the radiator or other external components.

4. DO NOT submerge the unit in water.

5. The exterior must be completely free of all moisture.

6. Once a month clean the pre-filter on the pump (power head/canister filter).

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Trouble Shooting

LED LIGHTS DO NOT COME ON

1. Check to see if the chiller is plugged in and switched on.
2. Consult your aquarium specialist for servicing

THE COMPRESSOR CONTINUES TO TURN ON AND OFF

1. Incorrect power source.

THE UNIT IS NOT COOLING THE WATER OR NOT COOLING ADEQUATELY

1. The chiller is not placed in an area with adequate ventilation.
2. The radiator needs to be cleaned. Clean off all dust and debris.
3. The set temperature is higher than the water temperature.
4. The radiator is blocked.
5. The water flow is too slow or too fast. Minimum water flow is 1000L/H and the maximum water flow is 3000L/H.

TOO MUCH NOISE

1. The Chiller must be placed on a level surface.
2. The chiller is not free standing. Remove any item that may be in direct contact with the chiller causing excess vibration.

LED SCREEN READS "LL"

1. The chiller is malfunctioning. Unplug the unit immediately and contact your aquarium specialist.

LED SCREEN READS "HH" AND THE ALARM SOUNDS

1. There is an electrical short. Unplug the unit and contact your aquarium specialist.