Poafamx

AQUARIUM WATER CHILLER

16-79GAL

INSTRUCTIONS



INTRODUCTION

Aquarium chiller is a necessity for your fish tank or hydroponic system, which can effectively provide your fish with a high-quality, cool and comfortable living environment.

Our chillers are mainly divided into compressor refrigeration and electronic refrigeration, both of which are highly efficient cooling methods. At the same time, both use microcomputer control systems that can accurately control and display the actual water temperature in the fish tank.

Our aquarium chillers are widely used in aquariums and hydroponics. As for aquariums, chillers are extremely important for your axolotl, fish, coral reef and crystal shrimps. Our chillers can effectively control the water temperature between 74-80F, which is the most comfortable temperature for various aquatic creatures.

As for hydroponics, chillers are vital to successful hydroponic grows because chillers can keep the needed nutrient solution in the ideal temperature range. Our aquarium chillers make it easy to maintain theperfect temperature in your hydroponic system, which will help to ensure a fruitful and healthy harvest for you!

WARRANTY: If you have any other questions, please feel free to contact us via Amazon email :)

CAUTION

For 160L and 300L chillers, please note:

1. In order to avoid the impact of shaking during transportation on the compressor inside the chiller, please let the chiller stand for 24 hours before using it after receiving the goods.
2. Please note: It is normal for the compressor inside the machine to shake slightly. Please do not shake the chiller itself.

USER ATTENTION

1. AL-160 and AL-300 chillers are equipped with built-in fast cooling refrigeration compressor, environment-friendly.
2. AL-60 are using electronic cooling, with low noise.

[NOTE] Probe must be put in the water for AL-60 to make the temperature cooling correct.

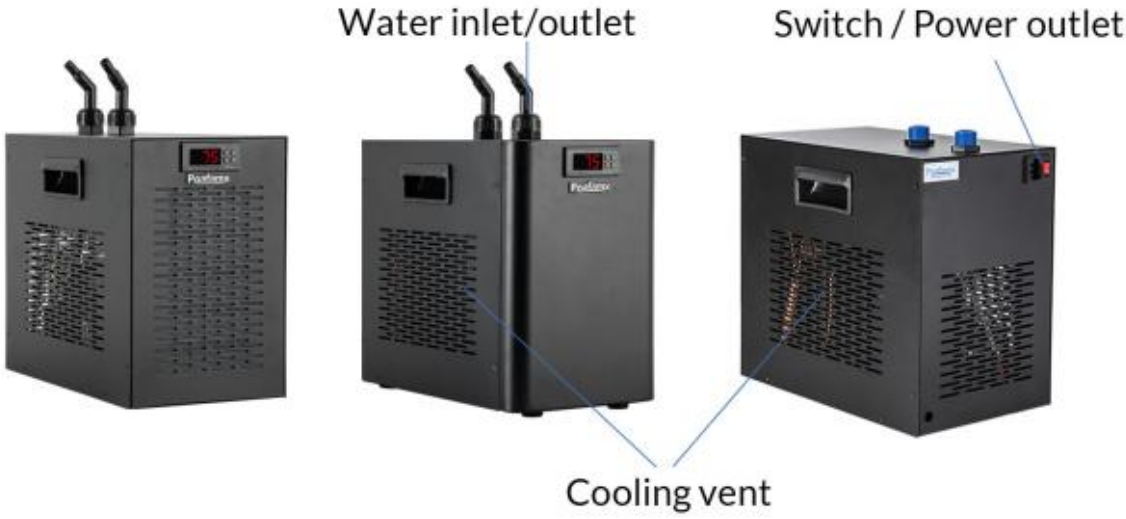
3. Please be sure to unplug the electrical equipment used in the fish tank before putting your hands into the water while installing.
4. The socket should be placed higher than the tank, to avoid water flowing down the power line to the socket.
5. Do not place the chiller in the position of high temperature, no ventilation, direct sunlight, large lampblack and moisture.
6. Do not block air vents or put objects near them.
7. Do not disassemble the chiller by yourself.
8. Do not turn the chiller upside down while using.

[NOTE] Please refer to the related instructions according to the chiller you have bought.

AL-60 is 16gal/60L chiller, fish tank less than 10gal/40L is best.
AL-160 is 42gal/160L chiller.
AL-300 is 79gal/300L chiller.

1. MACHINE PART NAME

For AL-160/AL-300



For AL-60



[NOTE] Probe must be put in the water for AL-60!

2. PARAMETERS

Model	AL-160	AL-300	AL-60
Rated power	AC110V	AC110V	AC110V
Power	1/10HP	1/3HP	200W
Suitable pump	600-1500L/H		320L/H
Water volume	≤160L	≤300L	≤60L
Pipe diameter	12mm inner diameter pipe		8mm inner diameter
Cooling method	Built-in compresor cooling		Electronic cooling
Refrigerant	R134a		No
Machine size	340*200*300mm	290*290*320mm	140*310*230mm
Machine weight	13kg	17kg	5kg
Accessories	Pipe joints*2, fixing nuts*2, throat hoops*2, sealing rings*2, water pump*1, water pipe*1		Throat hoops*2, water pump*1, pipe*1

3. TEST BEFORE USING

(1). After connecting the water pipe, please connect it to the water pump or your own filter, circulate the water to check whether there is water leakage first. You can put the water pump in a small bucket, and place the chiller in an empty bucket.

If not, you can use the chiller for fish tank normally.

If there is water leakage, please try the method at the next page.

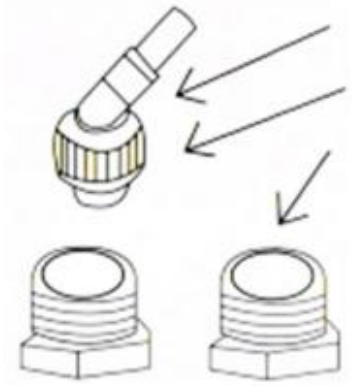
If there is still water leakage after trying, please contact us in time.

(2). Note that the “cool” is displaying during operation (the “cool” is not displayed in standby mode), and the chiller will starts to work after setting about 3 minutes.

4. WATER PIPE CONNECTION

For AL-160/AL-300

(1). There is no distinction between water inlet and outlet, 3m pipe is provided, cut it into two pieces before installation.
(2). Install the fixing nut, water pipe connection and flat gasket seal to the pipe joint as shown in the figure.



Water inlet Outlet

Water pipe interface
Fixing nut
Flat gasket seal



Hose clamp



(3). The pipe joint can be arbitrarily oriented at 360 degrees.
(4). After tightening the fixing nut, connect the water pipe and fix the throat hoopw with a screwdriver.

[NOTE] IF LEAKAGE:

(1). Check if the flat gasket sealing ring is put at the right place as shown in the figure.
(2). Try to add some vacuum grease to the water pipe connection.
(3). Contact us if still have water leakage problem after trying.

For AL-60

(1). There is no distinction between water inlet and outlet.

(2). Provide a 2m pipe, you can cut it into two pieces, connect them to water inlet and water outlet on the back of the chiller as you like. Buy a long pipe if needed.

5. TEMPERATURE SETTING METHOD



A.Shutdown temperature setting

Press the set button for 1 second, and then press the heating button "▲" and the cooling button "▼" to adjust the target temperature. After setting, press the Rst button or wait for about 10 seconds, it will automatically return to the current temperature.

e.g. set the temp to 80F

B.Start temperature setting

Press and hold the set key for 8 seconds, the F1 code appears, that means temperature diference. Press the set key again to set it.

e.g. set it to 10

so, the chiller will start to cool when the water temperature above 90F, and stop cooling when reach 80F.

6. TEMPERATURE CORRECTION

Press and hold the set key for 8 seconds, and then press the "▲" to enter in F2 code (temperature correction function), the default is 0. If there is an error between the displayed temperature and the actual water temperature, first confirm the error value.

[Example]

1. Aquarium water temperature is 85 degrees, the display shows the temperature 83 degrees

Actual error: 85-83 = 2

Operation method: Enter the code F2, press the set key, and then press the "▲" key to adjust to 2 degrees.

2. Aquarium water temperature is 83 degrees, display shows temperature 85 degrees

Actual error: 83-85 = -2

Operation method: Enter the code F2, press the set key, and then press the "▼" key to adjust to -2 degrees.

7.TROUBLESHOOTING

Malfunction	Possible Causes	Solutions
Not working at all	Not connect to the correct voltage socket	Connect the power plug to the correct voltage socket
	The power supply voltage is connected correctly	The compressor has a 3 minute delayed working time
Water does not circulate	Adjust the set button up and down in a short time, temperature circulation device stops working	Please confirm whether the circulation device is working properly
	Air in the water pipe	There should be no air accumulation in the water pipe, especially the water pump. Please keep all the circuits full of water
	Twisted water pipe	Strongly twisted water pipes will cause no water flow, please pay attention to the smooth adjustment
Poor output effect	The height of circulation device to the surface of the fish tank is too high	Please confirm the position and lift of the circulating device. Lift refers to the capacity of the circulating device
	The water pipe is dirty, the dirt blocks the water pipe	Please clean the water pipe regularly to keep it unblocked
	Twisted water pipe	Please confirm that all the water pipes of the circulation device are kept smooth

Poor cooling effect or inability to cool	The ambient temperature is too high	The ambient temperature should be kept below 35 degrees Celsius with good ventilation
	The chiller is placed in a closed cabinet	Place the chiller on the desktop or flat ground to ensure a good ventilation environment
	The huge water volume of the fish tank exceeds the cooling capacity	Reduce the water volume or replace with a more powerful chiller
	Bending of water pipes causes the circulating insufficient	Be careful not to bend the water pipe
Wet ground	Condensed water droplets flow out	Wipe the water droplets on the surface of the fish tank and the water pipe
Abnormal sound	There is air in the pipe	There should be no air accumulation in the water pipe, especially the water pump, and keep all the circuits full of water
	Chiller prevents position tilt	Please put the chiller on a level surface
Display error	---(Display 3 lines) water temperature probe is abnormal	Replace the temperature probe
	The difference between the displayed temperature and the actual temperature is too large	Replace the temperature probe
Water leakage	Incorrect connection The pipe is too thick	1. Check the flat gasket sealing ring 2. Add some grease

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