

User Manual R1.0
Santacary Technology Co., Ltd.
AMG120 Water Chiller



INTRODUCTION

Congratulations on your purchase of this Santacary AMG120 water chiller. This water chiller adopts high-quality semiconductor cooling technology (TEC, Thermo Electric Cooler) with large cooling capacity, heat pipes and aluminum cold forged blades for air-cooled radiators, effectively ensuring low cooling and cooling efficiency to achieve the best cooling effect. The heat radiator end has built-in silent fan, dual sided exhaust, and heat pipes technology. By using AMG120, the cooling rate of 8 Gallon water is approximately 1.27°C/hour (2.2°F /hour) depended on environmental temperature and heat load. AMG120 has no temperature control.

This water chiller is suitable for safe use in freshwater and slightly salty seawater environments. It creates a healthy and comfortable environment for fish, axolotl, shrimp, jellyfish, and coral reefs in the hot summer. AMG120 can also be used as a small hydroponic water chiller.

FEATURES

- ✧ By using AMG120, the cooling rate of 8 Gallon fresh water is approximately 1.27°C/hour (2.2°F /hour). No temperature control.
- ✧ AMG120 can be used in freshwater and slightly salty seawater environments.
- ✧ Using heat pipes technology, the cooling fan is quiet and the noise is 62.5 dB at 10cm.
- ✧ Provide a power adapter with 110-240V input, DC12V, 12A output.

SPECIFICATIONS:

- ✧ Technology: Semiconductor thermo electric cooling(TEC)
- ✧ Cooling water volume: ≤8 Gallon /30.2L
- ✧ Cooling effect: Cool down by 1.27°C/hour or 2.2°F /hour for 8 Gallon fresh water
- ✧ Water pump Flow: 200-300L/H
- ✧ Water Pipe: Inside diameter 8mm

- ✧ Voltage: DC 12V;
- ✧ Rated current: 12A
- ✧ Power Consumption: 144W
- ✧ Heat dissipation method: heat pipes and air cooling
- ✧ Noise of cooling fan: 62.5dB at 10cm
- ✧ Product Dimensions: 205*107*170mm/8.07*4.21*6.69 inch
- ✧ Material: Aluminum alloy and resin
- ✧ Weight: Approx. 1062g without accessories

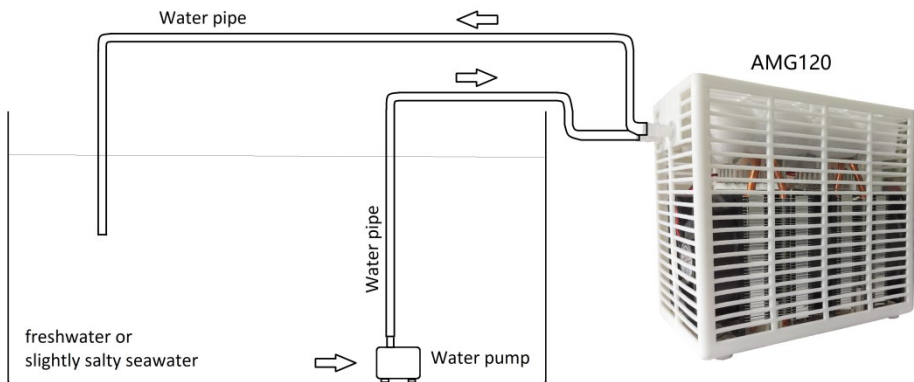
POWER INPUT



EXAMPLE OF COOLING SYSTEM

NOTE

Please make sure the water volume is less than 8 Gallon /30.2L especially in hot summer for better cooling effect. If the indoor temperature is too high, the recommended water volume is less than 8 Gallon /30.2L. The cooling effect will be greatly affected by the ambient temperature.



PACKAGE INCLUDED

1. AMG120 Water chiller
2. 250L/H Water pump
3. Inside diameter 8mm Water pipe
4. DC 12V/12A Power adapter
5. User Manual

CONTACT US

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