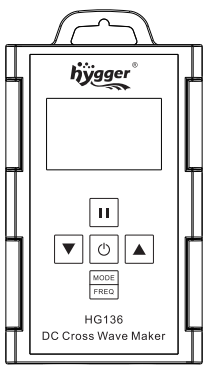
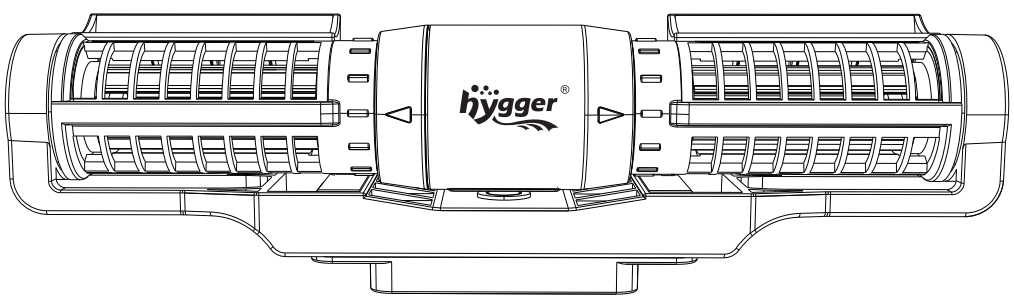
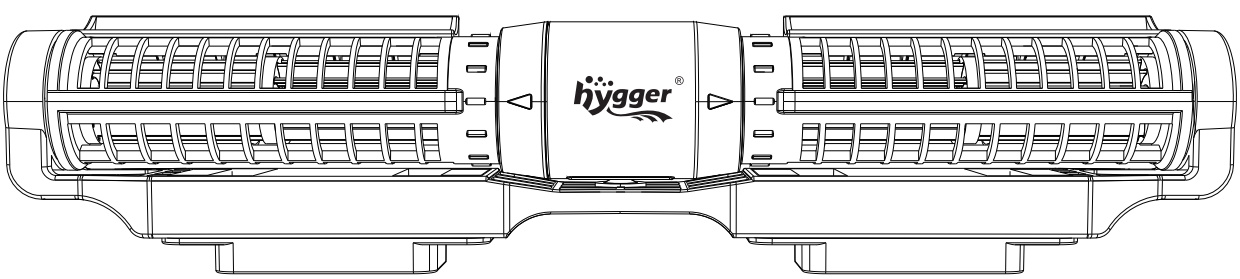

E-mail: distributor@hyggeraquarium.com Website: www.hyggeraquarium.com

# HG136 hygger cross-flow wave pump user manual



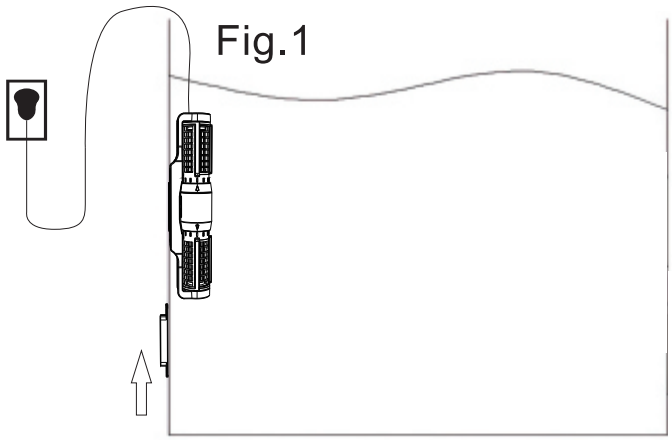


# ⚠ WARNING:

1) For best performance, the pump should never run dry.

2) The controller should be kept in a dry place protected from splashing water.

3) Take care when joining with the magnetic base. Keep it parallel to the pad near the outer wall of your aquarium to avoid damaging the glass.




4) Never attempt to open the controller or the adapter without professional assistance.

5) This pump is unsuitable if you wear a pacemaker or have a defibrillator implanted.

# 1. INTRODUCTION

We use the latest technologies for hygger's cross-flow pumps, which we integrate into the professional design. This allows us to simulate the natural environment and create a natural habitat for your fish and invertebrates in the aquarium. Please read these operating instructions carefully before installing and operating the pump.

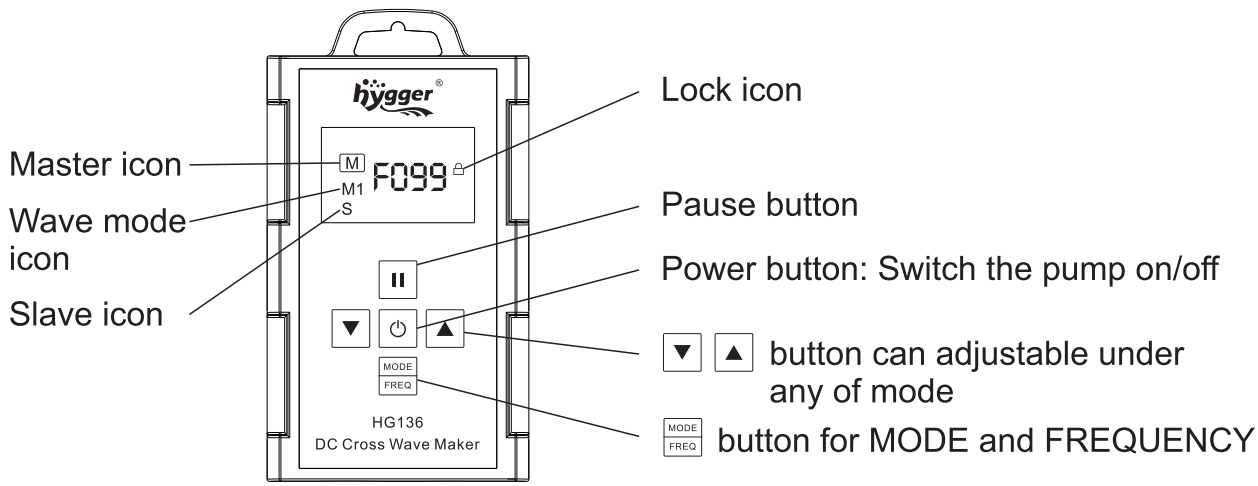
# 2. PRODUCT FEATURES

- Various wave models allow the complex dynamics of the ocean to be brought into the aquarium.
- The wireless connection coordinates and synchronizes both wave pumps with one controller, providing a convenient and easy-to-use system.
- This shaft pump is equipped with a low-voltage inverter DC motor that ensures safety for users and aquarium animals.
- Easy operation to achieve multiple sea movements.
- Thanks to the unique design, the flow direction of the pump can be flexibly adjusted.
- The pump suits different mains voltages thanks to the large mains voltage tolerance (AC100-240V/50-60Hz). This allows us to avoid voltage fluctuations during shaft generation.

# 3. PRODUCT SPECIFICATIONS

| Model | Voltage | Flow rate (GPH) | Suitable fish tank size | Recommend glass thickness |
|---|---|---|---|---|
| HG136-18W | Input:100-240V 50/60Hz Output: DC 24V | 1850GPH (7000L) | ≤80CM (135Gal) | ≤0.39"(10MM) |
| HG136-25W | | 2380GPH (9000L) | ≤100CM (265Gal) | ≤0.59"(15MM) |
| HG136-45W | | 3170GPH (12000L) | ≤120CM (350Gal) | ≤0.75"(19MM) |

# 4. CONTROLLER DIAGRAM




1).a.Briefly press the button ⏸, and the “M” indicator light illuminates. The controller is now in Master mode; All settings for several pumps running synchronously are made here.

b.Press the button ⏸ twice, and the “S” indicator light illuminates. The controller is now in Slave mode; this controller can only set the flow rate, and other buttons have no function.

c.Press and hold the button ⏸ ,“Fd10”on the display, which means the feeding mode is activated. The pump will stop automatically for 10 minutes so that you can feed in peace, then return to operation. If you want to cancel the pause beforehand, press and hold the button ⏸.

2).Press the button ⏻ to switch the pump on/off.

3).Press ▼ and ▲ to adjust the flow rate for wave modes. Press and hold ▼ and ▲ until the lock icon appears on the display, which means the button lock is active. To cancel the button lock, press and hold ▼ and ▲ until the lock icon disappears on the display.

4).Press MODE FREQ to switch between the five modes (M1, M2, M3, M4, M5) and set the frequency.

**M1: Classic Wave Pulse Mode**

One or several pumps can be operated simultaneously, press ▲ or ▼ to increase and decrease the flow rate from F30 to 100. Press and hold MODE FREQ to set the frequency.

**M2: Sine Wave Mode**

One or several pumps can be operated simultaneously, press ▲ or ▼ to increase or decrease the flow rate from F30 to 100. The power of the cross-flow pump varies between 30 % and 100 %, and the flow rate varies like a sine curve. Press and hold MODE FREQ to set the frequency.

**M3: Constant Wave Mode**

One or several pumps can be operated simultaneously, press ▲ or ▼ to increase or decrease the flow rate from F30 to 100. The power of the cross-flow pump remains constant.

**M4: Random Wave Mode**

One or several pumps can be operated simultaneously, the power of the cross-flow pump varies randomly.

**M5: Classic Wave Cross-flow Mode**

One or several pumps can be operated simultaneously, press ▲ or ▼ to increase or decrease the flow rate from F30 to 100. Press and hold MODE FREQ to set the frequency.

# 5. MAINTAINING

1. Clean the pump regularly to ensure that it remains in optimum working order.

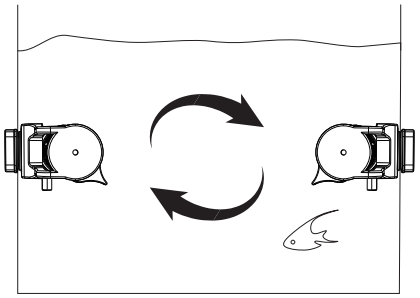
2. If water is on the controller, wipe it off immediately with a dry cloth so it cannot penetrate the controller.

3. Remove the deposits in the pump by turning the basket counterclockwise to open and clockwise to lock.

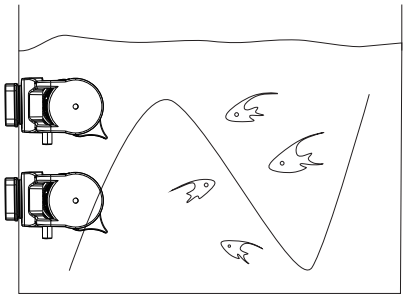
4. Use a soft cloth to clean the blades and remove any dirt deposits in the pump.

5. This device has been designed for indoor aquariums and must not be used for any other purpose. Ensure that the controller and the adapter never get into the water.

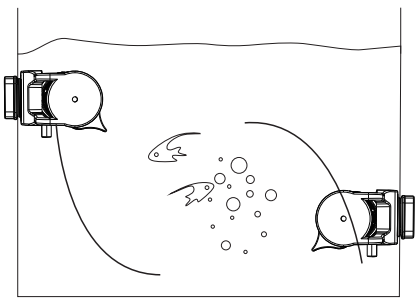
**Appendix: PUMP LOCATING**



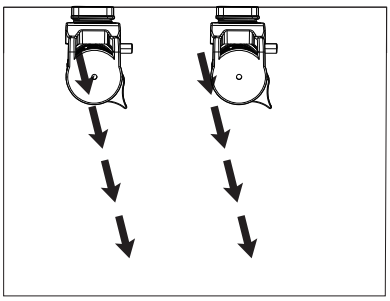
Enhance water circulation enhancement



Beautify and slim down fish



Increases dissolved oxygen in tank



Remove fish feces for a clean aquarium

# 6. TROUBLESHOOTING

| Error code | Fault | Solution |
|---|---|---|
| Er01 | The controller is over current | Abnormal operating current; check whether the pump is short-circuited or the controller is damaged |
| Er02 | The controller is over temperature | Ensure that the controller is not exposed to sunlight or high temperatures |
| Er04 | The pump is clogged | The impeller is malfunctioning. Clean the pump and impeller and verify that the impeller is clean and in good working order |
| Er05 | Controller is over voltage | Check the input power supply voltage |
| | Controller is under voltage | |

# 7. DISPOSAL

Do not dispose of this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary. This product has to be disposed of at an authorized place for the recycling of electrical and electronic appliances rather than being disposed of together with the domestic waste. Collecting and recycling waste is a way of saving natural resources. So, please consult with your local seller to make sure the product is disposed of in an environmentally friendly way.

# 8. PACKING LIST

- 1x Cross-flow wave pump (an inside magnetic holder is included)
- 1x Controller
- 1x DC Adapter
- 1x Outside magnetic holder
- 1x User manual

# 9. ONE YEAR LIMITED WARRANTY

This product MUST be purchased from an authorized hygger reseller. Visit our website for a list of authorized resellers. hygger warrants this product against defects in materials and worksmanship for ONE(1) YEAR fromthe date of the original retail purchase and is none-transferable.

Warranty on all products, including aquariums. But it is limited to the replacement of the products and does not cover fish loss, personal injury, property loss or direct, incidental or consequential damage caused by using this product.

Note: hygger One-year Limited Warranty does not cover damage caused by the followings: improper installation, saltwater corrosion, electrical surges or modifications. Additionally, products that have been refunded are also not covered under the warranty.

If you discover a defect, please contact hygger, who will, at it’s option, repair or replace the product at no charge, provided that you return it duringthe warranty period. A copy of the bill of sale is required as a proof of theoriginal purchase date in the event of the product needing repairs within the warranty period. hygger does not warrant any products that aren't hygger’s.

This warranty does not apply if the product has been damaged by accident, abuse, misuse or misapplication, or modified without the written permission of hygger.

# 10. CONTACT INFORMATION

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