



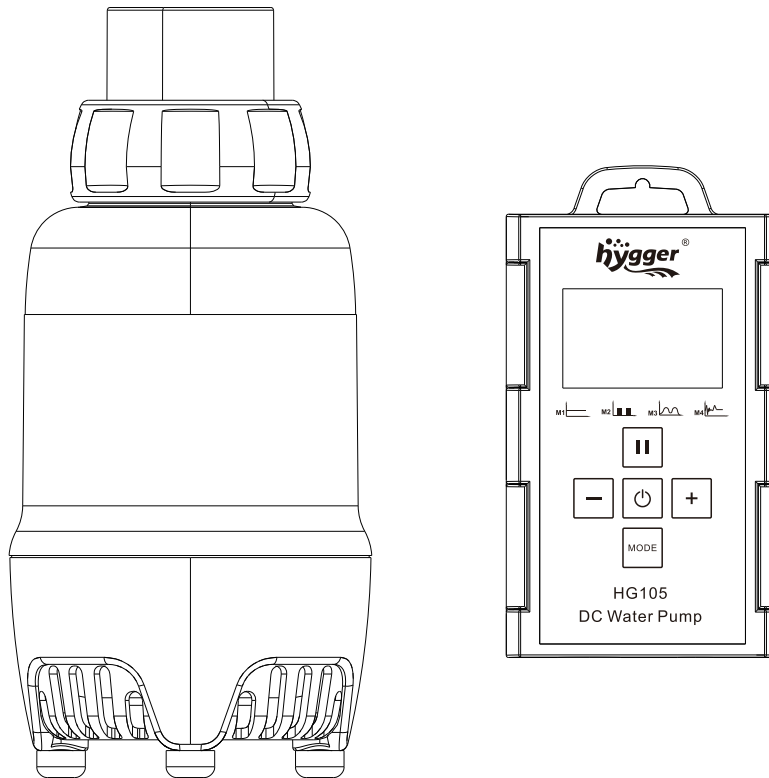
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HG105 USER MANUAL

hygger DC frequency water pump



WARNINGS:

1. Please use the adapter and related accessories.
2. Do not put the pump in the flammable, explosive and corrosive liquid.
3. Do not use the pump in the water temperature above 35°C (95°F). Maximum water depth is 1.5M(4.9ft).
4. Do not immerse the plug in water or other liquid.

Do not allow children or the inexperienced to operate the product alone without safety precautions.

1.PRODUCT FEATURES:

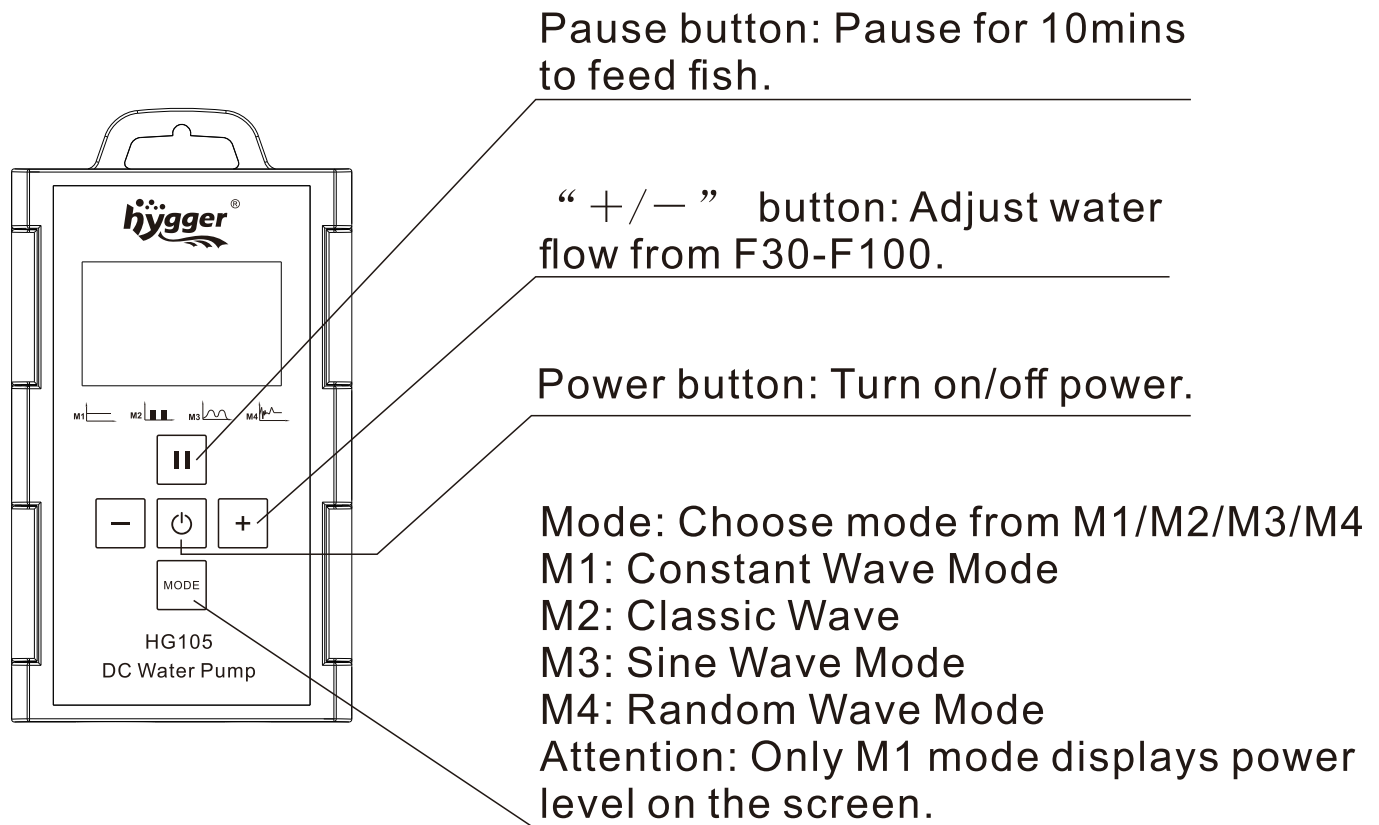
- Visual LCD display with 4 water circulation modes, power feeder function and DC safety voltage usage
- Bottom suction water intake, low water level operation
- Sine wave technology, ultra-quiet, IC electronic detection
- No water dry running and locked rotor protection
- Mini size, elegant appearance
- Suitable for use in seawater and freshwater.

PRODUCT SPECIFICATION:

Model	HG105-1500	HG105-2500	HG105-3500
Voltage	DC 24V		
Power	20W	30W	35W
Flow Rate	396GPH (1500L)	660GPH (2500L)	925GPH (3500L)
Head Max	6.6ft (2m)	9.8ft (3m)	11.5ft (3.5m)
US standard outlet nozzle	3/4"	3/4" 1"	1" 1-1/4"
	5/8"	Straight nozzle:3/4"	Straight nozzle:1"
	Screw cap :G 3/4"	Screw cap :G 1-1/8"	Screw cap :G 1-3/8"
EU/UK standard outlet nozzle	19mm	29mm 25mm	25mm 31.5mm
	15.9mm	outer:31mm inner:25mm	outer:38mm inner:32mm
	26.9mm	37mm	44.7mm

3. OPERATING INSTRUCTION:

CONTROLLER FEATURE:



MAINTANCE AND CAUTION:

When using the pump, please pay attention to the position of the pump. Please connect the pump supply after installation. If the pump fails to pump out water the first time, this may be caused by the air in the pump body. Please try unplugging and replugging to vent the air. To ensure safety, please install an earth leakage switch with a leakage current of less than 30mA when using outdoor (the earth leakage switch shall be installed by the user).

1. Always disconnect the pump from the power supply before cleaning, maintenance and handling.
2. Try to avoid the pump dry running.
3. Do not lift the pump by just holding the power cord, in case the cable connections inside the pump become disconnected.
4. Do not use the pump in heated liquids.
5. The pump can't be used in the swimming pool.

6. This product has multiple protection functions. When entering the protection state, unplug the power supply and then plug it back in to restore the pump to normal operation.

4.TROUBLE SHOOTING:

Error code	Fault	Solution
Er01	Controller over current	Abnormality working current, check if the pump is short-circuited or the controller is damaged
Er02	Controller over temperature	Check that the controller is not exposed to the sunlight or high temperature environment
Er03	The pump is idling	The pump is idling, check if the pump is dry heating. The pump must be filled with water before running
Er04	The pump is blocked	Currently the impeller is out of operation. Clean the pump and impeller to ensure the impeller is clean and working properly
Er05	Controller over voltage	Check the input supply voltage
	Controller under voltage	

5.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.

6. PACKING LIST

Model	HG105-1500	HG105-2500	HG105-3500
Water pump	√	√	√
DC adapter	√	√	√
LCD controller with holder	√	√	√
User manual	√	√	√
Nozzle	5/8"x1PC 3/4"x1PC	3/4"x1PC 1"x1PC	1"x1PC 1-1/4"x1PC
Straight nozzle	/	3/4"x1PC	1"x1PC
Screw cap	G 3/4"x 1PC	G 1-1/8"x 1PC	G 1-3/8"x 1PC
Rubber pad	1PC	1PC	1PC
User manual	1PC	1PC	1PC

7. CONTACT INFORMATION

Distributed by:Hygger Aquarium, Inc.
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7. INFORMAZIONI DI CONTATTO

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