

DC WAVE MAKER PUMP



User's Manual

Preface

This manual is intended to provide you the technical specification and working parameters of the wave maker. Please review carefully the guidelines before installing the pumps. This device may cause risk to individual and property if not used within the guidelines described in this manual. If the wave maker is misused or have been tempered with, we will not be liable for damages it may cause and will not honour any warranties.

Control display diagram



● LED Display Meaning

The two lights indicate that the wave pump is operating at 40% power.

The four lights indicate that the wave pump is operating at 60% power.

The six lights indicate that the wave pump is operating at 80% power.

The eight lights indicate that the wave pump is operating at 100% power.

● When working in nutrient delivery mode, when the power is set to 100%, the 8 lights will turn on in turn during the power rise stage, and turn off in turn when the power is weakened.

● Random wave-making mode will run randomly based on the previous three modes.

Specification

VOLTAGE:DC 24V FREQUENCY:50/60Hz

MODEL	HCN-860	HCN-860	HCN-860	HCN-860
WATT	10W	20W	35W	45W
FLOW	4000L/H	9000L/H	15000L/H	20000L/H
MAX POWER	10W	20W	35W	45W
MIN POWER	4W	8W	12W	16W

Control panel

The digital tube displays from left to right as:

The first digital tube indicates the working mode, the second digital tube indicates power and the last two digits indicate the wave mode frequency.

● Table chart

First digital tube	Second digital tube	Third/four digital tube
1 Pulse wave-making mode	1:40%Power	1 gear(fastest)
2 Nutrient delivery mode	2:60%Power	2 gear
3 Adjustable mode	3:80%Power	3 gear
4 Random wave-making mode	4:100%Power	4 gear
		5 gear
		...
		20 gear(slowest)

For example: Digital tube display "1410"

It indicates that the wave making pump operates in pulse wave-making mode, with 100% power, and the pulse frequency is in the 10 gear.

Maintenance

- Clean wave pump regularly to ensure efficient operation.
- If there is water on the surface of the controller, please wipe it with a dry cloth to prevent water from entering the controller.
- When cleaning the garbage in the pump body, separate the pump body from the front cover by rotating the front net.
- Wipe the impeller with a soft cloth and clean the pump body with water.
- This product is suitable for indoor use, but do not drop the controller and adapter into the water, so as not to cause unnecessary losses.

Notice

- In order to ensure product performance, do not run without water.
- The installation position of the controller, pay attention to prevent water from splashing on the controller.
- Non-professionals please do not disassemble the controller and adapter to avoid damage.
- Keep the magnet base out of reach of children or serious injury may result.