



直流变频潜水泵

使用说明书

使用前请仔细阅读说明书并妥善保管, 以备日后参考之用!

产品特点

- 水泵具有三种模式: 恒流调速模式、造浪模式, 喂食模式, DC40Q最大流量2000L/H, DC52Q最大流量5000L/H, DC55Q最大流量8000L/H, DC65Q最大流量12000L/H, 功率多档可调使之适用于各种大小鱼缸;
- 水泵可以在上水的同时可以实现造浪功能。
- 真正的低压无刷直流变频控制技术, 采用最先进的6级无传感器三相智能驱动, 通过调节占空比 (PWM) 来改变水泵的转速以及功率, 软启动, 安全可靠寿命超长, 噪音低;
- 陶瓷轴芯, 碳纤维轴套, 保证了水泵的超长使用寿命;
- 水泵为低压直流24V, 安全可靠, 效率高, 体积小;
- 水泵电源适配器为宽电压输入 (AC100~240V 50/60Hz), 可以适合多种电网, 且可避免电压波动对造浪的影响;
- 适用于淡水和海水。

产品参数

型号	DC40Q-1000L	DC40Q-2000L	DC52Q-3000L	DC52Q-4000L	DC52Q-5000L
流量	1000L/H	2000L/H	3000L/H	4000L/H	5000L/H
扬程	2M	3.5M	3M	4M	5M
最大功率	9W	20W	35W	55W	70W
最小功率	3W	5W	10W	10W	10W
电压	DC 12V	DC 24V	DC 24V		
尺寸	111x115x61mm	128x123x67mm	170x167x79mm		
出口直径	15mm/20mm	15mm/20mm	20mm/25mm		

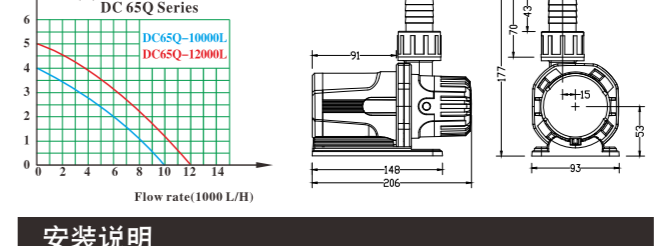
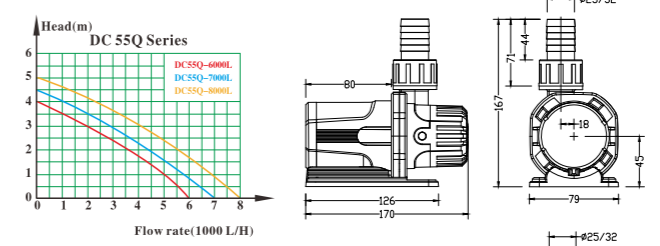
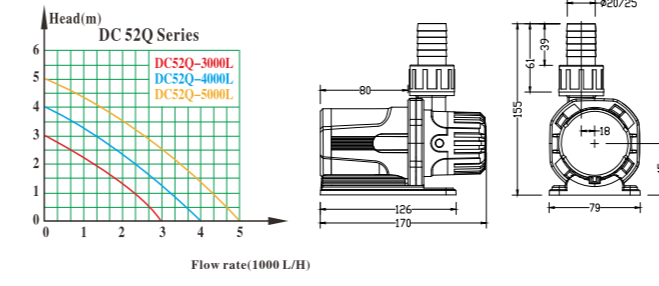
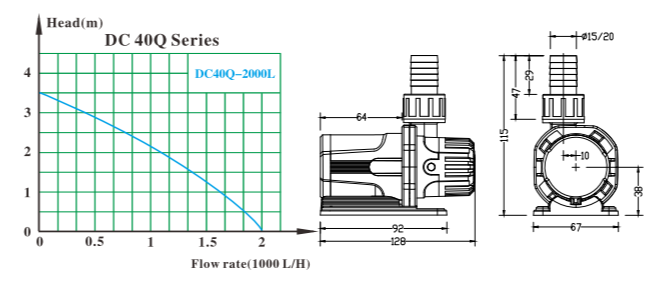
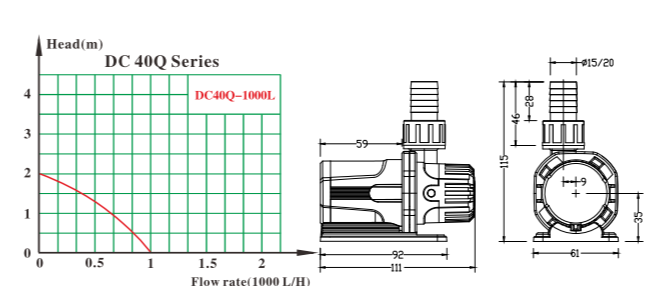
型号	DC55Q-6000L	DC55Q-7000L	DC55Q-8000L	DC65Q-10000L	DC65Q-12000L
流量	6000L/H	7000L/H	8000L/H	10000L/H	12000L/H
扬程	4M	4.5M	5M	4M	5M
最大功率	55W	70W	85W	85W	100W
最小功率	10W	10W	10W	10W	10W
电压	DC 24V			DC 24V	
尺寸	170x167x79mm			206x177x93mm	
出口直径	25mm/32mm			25mm/32mm	

产品使用方法及功能说明



本控制器共有4种模式。可通过按键来选择各模式, 模式功能如下:

- **恒流调速模式:** 水泵通电之后即进入恒流工作模式1 (通过MODE按键调节, 三位数码管的第一位显示为1) 总共20档, 通过调节 "speed" 按键来调节水泵的功率及转速, 当数码管上面显示为101的时候即工作模式为第一档 (最低流量), 当数码显示为120的时候即工作模式为第二十档 (最大流量), 用户可根据实际需要来调节流量的大小。
- **上水脉冲造浪模式 (两个步骤):** (1) 设定起始上水量, 设置模式1 (恒流模式) 为105或者115之间。(2) 通过MODE按键切换第一位数码管显示2即为上水脉冲造浪模式。通过Speed调节档位, 总共有20个波段。201为造浪最快频率波段, 220为最慢频率波段。上水脉冲造浪模式的原理: 通过设定上水量和最高上水量之间的突然差别来实现边上水边造浪。
- **营养传输造浪模式 (慢升-慢降):** (1) 设定起始上水量, 也就是设置模式1 (恒流模式) 为105或者115之间。(2) 通过MODE按键切换第一位数码管显示3即为营养传输模式造浪。通过Speed调节档位, 总共有20个波段。301为造浪最快波段, 320为最慢波段。营养传输模式的原理: 水泵的上水量从一个默认设定值慢慢上升到最大水流量, 然后再从最大的水流量变化到默认设定值的一个变化过程, 以此往复实现的一种造浪模式。
- **喂食功能:** FEED按键实现喂食功能, 进入喂食功能水泵进入暂停工作状态, 水体静止, 方便鱼进食档暂停时间倒计时结束之后水泵恢复原来的工作状态。按 "FEED" 键数码管显示为 "F10" 即为喂食功能启用, 水泵暂停工作10分钟, 再按一下显示F20表示水泵暂停工作20分钟, 按第三次即显示F30表示水泵暂停工作30分钟, 按第四次显示OFF表示水泵停止工作, 如需回到原来工作状态再按一下FEED按键即可。
备注: 如果控制器显示err 表示异常报警, 异常报警有几种情况:
第一、水泵未放置于水中, 或者水泵空转
第二、水泵未连接控制器
第三、水泵卡死, 这个时候需要清理水泵, 重新组装
* 另注: DC40Q-1000L型号产品, 喂食控制模式为10分钟, 按下FEED后显示F10, 再次按该键则水泵恢复正常工作。



安装说明

- 包装中产品组成有: 潜水泵泵体、智能控制器、适配器、过滤罩、转接头;
- 将过滤罩和转接头分别装在泵体的进水口和出水口上;
- 接好泵体与控制器的3针快速连接线, 再把适配器的DC插头接好控制器, 将适配器插上插座。

维护

- 定期清洗造浪泵以确保其有效动作;
- 控制盒表面有水后用干布擦干, 防止水进入控制盒;
- 当水泵不转时首先检查控制盒是否通电, 然后向后拔出水泵底座, 逆时针用力旋转旋开前盖, 检查水泵墙体内部是否有杂质。
- 用软布擦拭叶片, 并用水清洗泵体污物;

- 此产品适用于户内, 但严禁控制盒与适配器掉入水中, 以免造成不必要损失。
- 定期检查会增加水泵的寿命。

注意事项

- 为保证产品性能, 禁止无水运行;
- 控制盒的安装位置, 注意防水, 防止水花飞溅到控制盒上;
- 非专业人员请不要随便打开控制盒与适配器, 以免损坏;

产品保修卡

- 一、请保留购货凭证及保用证书, 并在维修时一并出示。
 - 二、以下条款不属于保修范围:
 - 因不规范操作: 错误安装、摆放、搬运造成的损坏。
 - 用户不当修理造成的故障。
 - 室内意外区域使用造成的故障。
 - 不可抗拒的自然灾害以及认为原因造成的故障。
 - 额定电源 (电压及频率) 意外造成的故障。
- *以上保用条款解释权归本厂销售部所有。

用户填写资料			
产品名称			购买日期
产品编号			
顾客	姓名	电话	
	住址		
零售商	姓名	电话	
	住址		
维修记录	日期	故障及维修说明	用户签字 维修人员
检验员:			检验日期:



Variable Frequency DC Pump

Instructions

Feature

- With three modes: Steady flow rate Mode (20 Levels), Wave making mode (20 Levels), Feed Mode. The max flow of DC40Q is 2000L/H, DC52Q is 5000L/H, DC55Q is 8000L/H, DC65Q is 12000L/H. The output power could be adjusted to match different size of fishbowl.
- The Pump have two function water dispensing and wave making.
- With SIX-Pole Intelligent DC three-phase drive (without sensor),
- Low voltage (DC24V) operation, Safe, Long life expectancy and low noise.
- With Ceramic shaft & carbon fiber shaft sleeve to make sure the motor's long expectancy.
- The input voltage if adapter is widely from AC100 to AC240V/60Hz) which can be suitable for many countries
- Suitable for both fresh water and Salt water

Technical Data

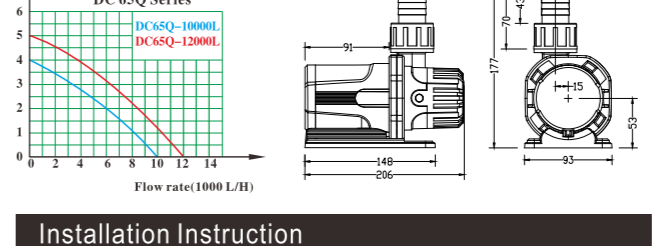
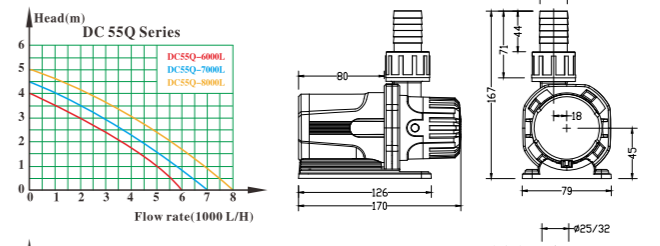
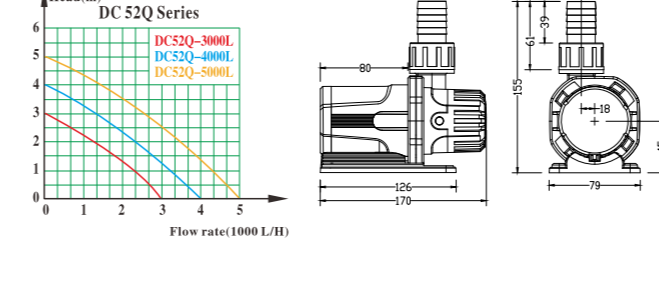
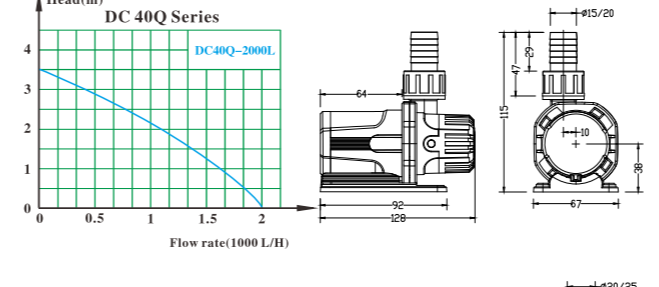
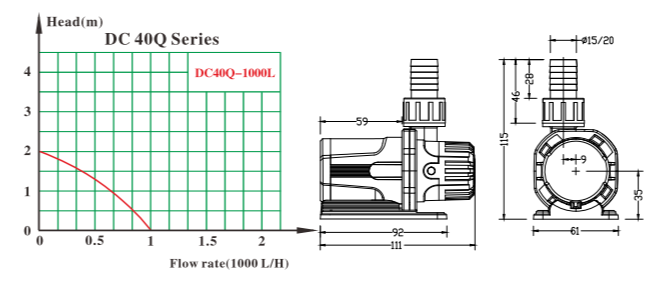
Model	DC40Q-1000L	DC40Q-2000L	DC52Q-3000L	DC52Q-4000L	DC52Q-5000L
Flow	1000L/H	2000L/H	3000L/H	4000L/H	5000L/H
Head	2M	3.5M	3M	4M	5M
Max power	9W	20W	35W	55W	70W
Min power	3W	5W	10W	10W	10W
Voltage	DC 12V	DC 24V	DC 24V		
Size	111x115x61mm	128x123x67mm	170x167x79mm		
Outlet	15mm/20mm	15mm/20mm	20mm/25mm		

Model	DC55Q-6000L	DC55Q-7000L	DC55Q-8000L	DC65Q-10000L	DC65Q-12000L
Flow	6000L/H	7000L/H	8000L/H	10000L/H	12000L/H
Head	4M	4.5M	5M	4M	5M
Max power	55W	70W	85W	85W	100W
Min power	10W	10W	10W	10W	10W
Voltage	DC 24V			DC 24V	
Size	170x167x79mm			206x177x93mm	
Outlet	25mm/32mm			25mm/32mm	

Instructions



- 1、Steady flow Mode(20levels):** The pump will work in this mode when powered on, you can change the speed by the key of "speed", when the digital display shows the number "101", that means you have choose the lowest flow rate, when the digital display shows the number "120", that means maximum flow rate.
- 2、Pulse Wave making Mode(20 levels):** This Wave Mode was generated by the sudden changing of flow rate (from a starting flow to maximum flow). Need two steps to finish the setting.
1) Set starting flow: Push button "Mode" until the first digital display shows "1", set the Steady flow Mode between "105" to "115".
2) Push button "Mode", until the first digital display shows "2". You can change the wave frequency by the key of "speed", when the display shows the number "201", that means you have choose the fastest wave frequency, when the indicator screen shows the number "220" that means lowest frequency.
- 3、Nutrition transmission wave mode (slow rise - slow down):** This Wave Mode was generated by slowly rose from starting flow to the maximum water flow and then from the maximum water flow changes to the starting flow. Need two steps to finish the setting.
1) Set starting flow: Push button "Mode" until the first digital display shows "1", set the Steady flow Mode between "105" to "115".
2) Push button "M", until the first digital display shows "3". You can change the wave frequency by the key of "speed", when the indicator screen shows the number "301", that means you have choose the fastest wave frequency, when the indicator screen shows the number "320", that means lowest frequency.
- 4、Feed mode:** Press the "FEED" button to display "F10", the feeding function is enabled, the pump pause for 10 minutes, and will return to work after 10 minutes, then push the "FEED" again, display shows "F20", the pump pause for 20 minutes, push the "FEED" button third time the display shows "F30", the pump pause for 30 minutes, Press "FEED" fourth time the display shows "OFF", the pump will stop work. If you want to return to the original working state, press the FEED button again.
Note: If the controller shows "err" means there are several cases:
1. The pump not put in water or the pump suck air
2. The pump is not connected to the controller
3. The pump stuck, need to clean and reassemble the pump.
* **Note:** DC40Q-1000L pump, FEED control mode is 10 minutes, press "FEED" button to display F10, Press this button again to return the pump to regular operation.



Installation Instruction

- The whole pump unit include pump body, controller, adapter, filter and out let
- Install the filter cover on to the pump's inlet, install the out let adapter onto the pump's outlet
- After connected the pump and controller 3-pin quick connectors, then contact the adapter with the controller (DC plug), and contact the adapter with AC wire (AC Plug)

Maintenance

- Please clean the wave pump regularly to ensure their effective
- If there have water in the surface of the controller, Please wipe with a dry cloth to Prevent water from entering the control box.

- When the pump stop working, first check the power adapter, then remove the foot of pump, open the pump lid by counterclockwise rotation, then clean the inner side of pump
- This product is used in indoor, Don't let the controller and adapter fall into the water so as to cause unnecessary losses

Notice

- Dry run not allow In order to guarantee the product performance
- Keep the controller and adapter away from water and water splash.
- To avoid damage please don't open the controller and adapter

Warranty Card

- Please keep to warranty card, present at the time of repair.
- Fellowing item are not covered by warranty:**
- Non standard operation: Incorrect installation and placement, damage caused by transport.
 - Damage caused by improper repair faults.
 - Improper out door use.
 - Malfunction caused by irresistible natural disasters.
 - Failure caused by accidents of rated power (voltage and frequency).
- The interpretation of the above warranty terms belongs to our sales department.

User's Information				
Product Name			DOP	
Product No				
Customer	Name	Tel		
	Add			
Retailer	Name	Tel		
	Add			
Maintenance records	Date	Remarks	Sign	Maintenance person
Checker:			Check Date:	