



COMMERCIAL
GYRE FLOW PUMP



Owner's Manual

用户手册

Dear Customer,

Thank you for purchasing this product.

For optimum performance and safety, please read these instructions carefully.

User Memo:

Date of purchase:	_____
Dealer name:	_____
Dealer address:	_____ _____
Dealer website:	_____
Dealer email:	_____
Dealer phone no.:	_____

Please visit us on Facebook, Twitter or Instagram!



Facebook



Twitter

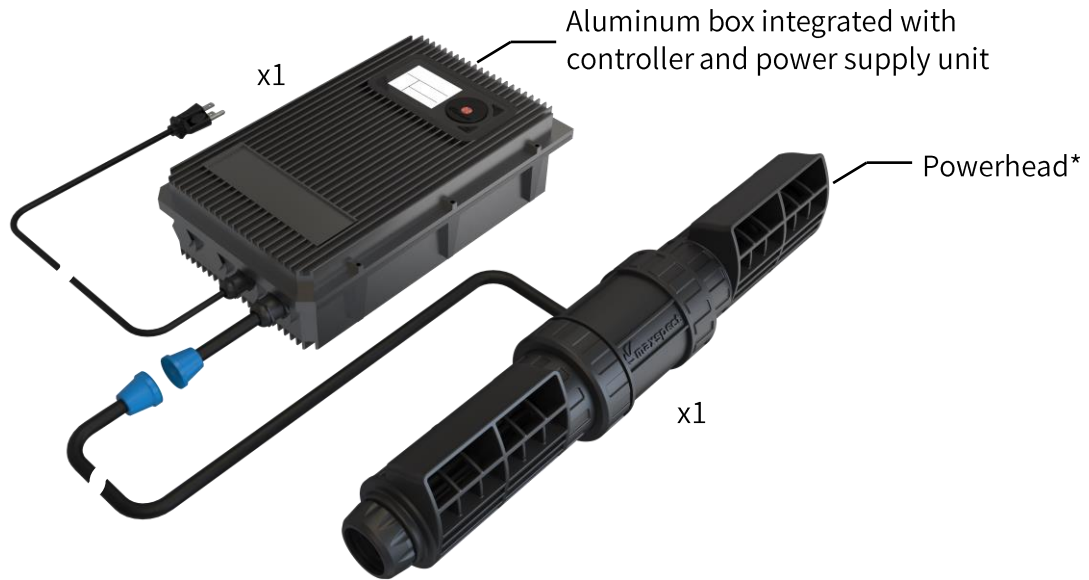


Instagram

Package Content and Installation

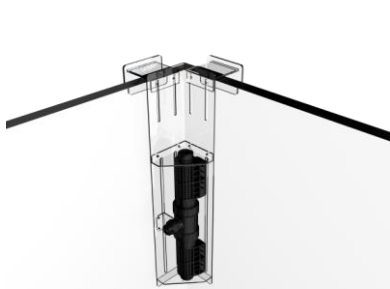
Please check the content in the package.

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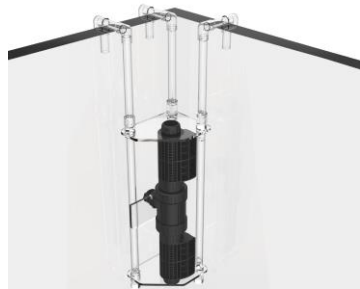


*Extension cable is available, sold separately.

Installation



Acrylic bracket solution



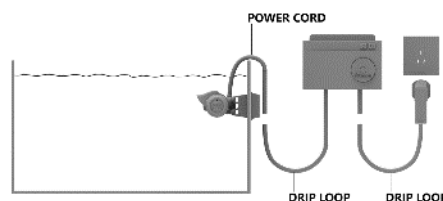
Piping solution

Maxspect Gyre Pro Gyre Flow Pump is specifically designed for ultra large aquarium, which structure is quite different from the set aquarium usually used by hobbyists. The above illustration are examples showing how the Gyre Pro can be mounted to an ultra large size tank. Which solution is applicable should be considered according to specific case. The required components need to be ordered separately and custom made accordingly.

Before using this **Maxspect™ Gyre™ Pro Gyre Flow Pump** please read these operating instructions carefully. Take special care to follow the safety suggestions listed below. Afterwards keep this manual handy for future reference.

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. **DANGER** – To avoid possible electric shock, special care should be taken since water is employed in the use of aquarium equipment. For each of the following situations, **DO NOT** attempt to repair by yourself; return the appliance to an authorized service facility for service or discard the appliance.
 - a) If the appliance shows any sign of abnormal water leakage, immediately unplug it from the power source.
 - b) Carefully examine the appliance after installation. It should not be plugged in if there is water on parts not intended to be wet.
 - c) **DO NOT** operate any appliance if it has a damaged cord or plug, or if it is malfunctioning or has been dropped or damaged in any manner.
 - d) To avoid the possibility of the appliance plug or receptacle getting wet, position aquarium stand and tank to one side of a wall-mounted receptacle to prevent water from dripping onto the receptacle or plug. A “drip-loop” shown in the figure, should be arranged by the user for each cord connecting an aquarium appliance to a receptacle. The “drip-loop” is that part of the cord below the level of the receptacle, or the connector if an extension cord is used, to prevent water traveling along the cord and coming in contact with the receptacle. If the plug or socket does get wet, **DO NOT** unplug the cord. Disconnect the fuse or circuit breaker that supplies power to the appliance. Then unplug and examine for presence of water in the receptacle.



2. Close supervision is necessary when any appliance is used by or near children.
3. To avoid injury, **DO NOT** contact moving parts or hot parts such as heaters, reflectors, lamp bulbs, and the like.
4. Always unplug an appliance from an outlet when not in use, before putting on or taking off parts, and before cleaning. Never yank cord to pull plug from outlet. Grasp the plug and pull to disconnect.
5. **DO NOT** use an appliance for other than intended use. The use of attachments not recommended or sold by the appliance manufacturer may cause an unsafe condition.
6. **DO NOT** install or store the appliances where it will be exposed to the weather or to temperatures below freezing.
7. Make sure an appliance mounted on a tank is securely installed before operating it.

8. Read and observe all the important notices on the appliance.
9. If an extension cord is necessary, a cord with a proper rating should be used. A cord rated for less amperes or watts than the appliance rating may overheat.

Safety on Power Supply

1. **Power Source** – **DO NOT** defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
2. **Power Cord Protection** – The power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Never take hold of the plug or cord if your hand is wet, and always grasp the plug body when connecting or disconnecting it.
3. **Installation** – Install indoor only, and use the attachments and accessories provided and specified by the manufacturer.

Safety on Magnet Mount (If it is applied)

1. **CAUTION** - Very strong magnetic mount included in the package.
2. **CAUTION** - keep the magnet mount out of reach of children, as there is risk of severe personal injury otherwise!
3. Handle the magnet mount with their proper handle, and **DO NOT** bring the both side together directly. **DO NOT** put your fingers between the magnet mounts.
4. Magnet mount can attract metal objects, keep clear of metal objects when handling the magnetic mount to avoid injuries.
5. Magnet mount can also damage electronic and magnetic storage devices such as USB storage devices, pacemakers, credit cards, etc. Keep clear of these devices when handling the magnetic mount to avoid damaging them.

Safety on Pulsing Motion generated by the Gyre System

1. Making pulses and waves with the Gyre System can place additional stress on the aquarium glass/acrylic and its joints. Not all aquariums are able or designed to withstand this stress and failure of the glass/acrylic and/or joints could result. Please consult with your aquarium
2. Manufacturer to determine if the aquarium construction is adequate to withstand the additional stress generated by the pulses and waves motion. Please also check to assure that your aquarium stand or furniture is properly leveled, which will help reduce the additional stress resulting from wave generation.
3. Maxspect **DISCLAIMS AND WILL NOT BE LIABLE FOR**, damage to any aquarium or their surroundings, water damage, or any other consequential damages resulting from wave generation. **MAKE PULSES AND WAVES AT YOUR OWN RISK.**

Operation – Controller Unit

1. **Operation** – Always follow the operation instructions set forth in this manual when using this controller unit.
2. **Heat** – The controller unit should be situated away from heat sources such as radiators, and **DO NOT** expose to excessive heat such as sunshine, fire or the like.
3. **Moisture** – To reduce the risk of fire or electric shock, **DO NOT** expose the controller unit to rain, moisture, dripping or splashing.
4. **Water Damage** – **DO NOT** immerse in water. If the controller unit falls into the water, **DO NOT** reaches for it! First unplug it and then retrieve it. If electrical components of the appliance get wet, unplug the appliance immediately.

Operation – Gyre Pump

1. **Placement** – The Gyre pump creates high levels of flow within your aquarium. Please place the Gyre in an area where corals are not too close to the output flow of the pump.
2. **Stall** – In the event of a motor stall, the Gyre pump may have stopped for a few possible reasons. You should first check that there is not something blocking the rotors from spinning.
3. **Overheating** – The Gyre pump is designed to run underwater. **DO NOT** run the Gyre pump when it is not submerged in water. Doing so will cause the Gyre pump module to overheat and could damage the pump component.
4. **Cleaning** – Please follow the instruction in this manual to clean the Gyre regularly.
5. **Power Outage** – During power outage, if a battery backup accessory is added to the Gyre pump, the pump will automatically switch to Battery Backup mode during a power outage. The pumps will run at the minimum speed to maximize their run time during this critical period.





Control Panel

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Screen Icon

Water Movement Modes

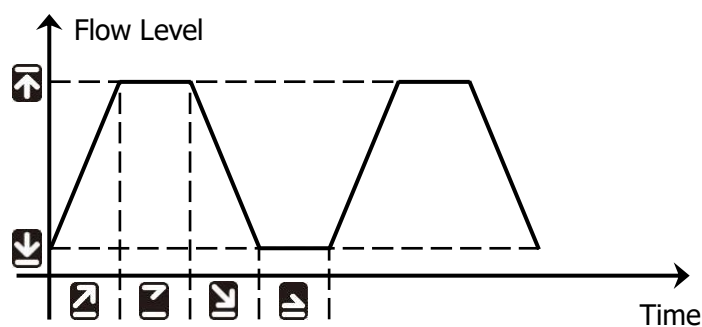
-  Constant Speed Mode
-  Pulsing Mode
-  Gradual Pulsing Mode
-  Random Mode

Variables


-  Maximum Flow
-  Minimum Flow
-  Ramp Up Time
-  Wind Down Time
-  Maximum Flow Time
-  Minimum Flow Time

-  On/Off Indicator
-  Manual Mode Indicator
-  Automatic Mode Indicator
-  Setting Indicator
-  Working Speed
-  Time Point
-  Clock


Variables Illustration



Turn On/Off the Gyre Pro

On normal working status, press and hold  for about 3s to turn on/off the Gyre Pro.






Feeding Mode

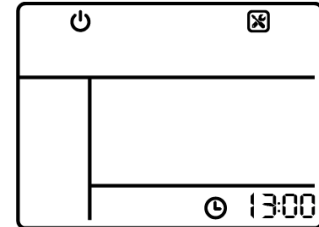
On normal working status, press  to enter or exit the feeding mode. Duration is unchangeable.

Operating Instructions


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Clock Setup

1. On normal working status, press  &  to enter clock setting status;
2. Rotate  to set the value;
3. Press  to switch between the parameters;
4. Press  to save the setting.









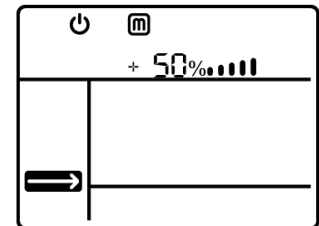
Working Mode Switch

On normal working status, press and hold  for about 3s to switch between Manual and Automatic working modes.








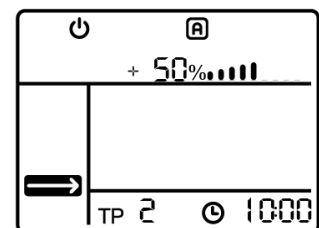
Manual Working Mode

1. On Manual Working Mode status, press  to enter mode setting status;
2. Rotate  to select a water movement mode;
3. Press  to enter the setting status;
4. Rotate  to set a value;
5. Press  to switch between the parameters;
6. Press  to save the setting.



Automatic Working Mode

1. On Automatic Working Mode status, press  to enter mode setting status;
2. Rotate  to select a Time Point;
3. Press  to switch between the parameters;
4. Rotate  to set a value;
5. Repeat procedure 2, 3 and 4 to set all the time points.
6. Press  to save the setting.

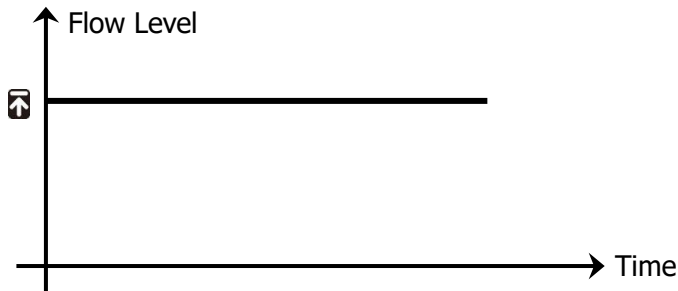


Water Movement Mode Illustration

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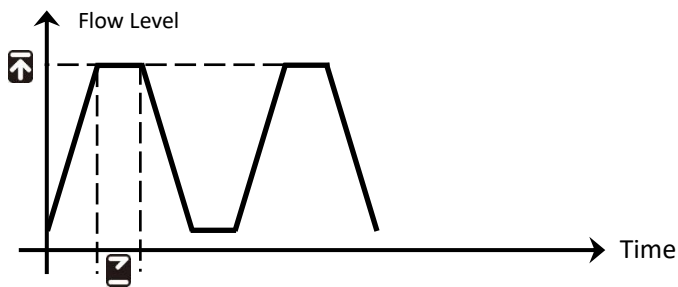
Constant Speed Mode Flow range: -100% - +100%



	✓		N/A
	N/A		N/A
	N/A		N/A



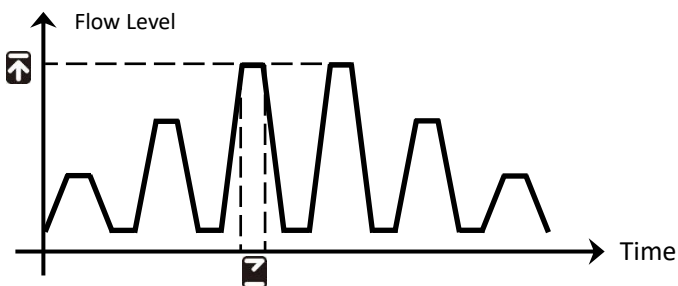
Pulsing Mode Flow range: -100% - +100%, Time Range: 0.4s-10s



	✓		N/A
	N/A		N/A
	N/A		✓



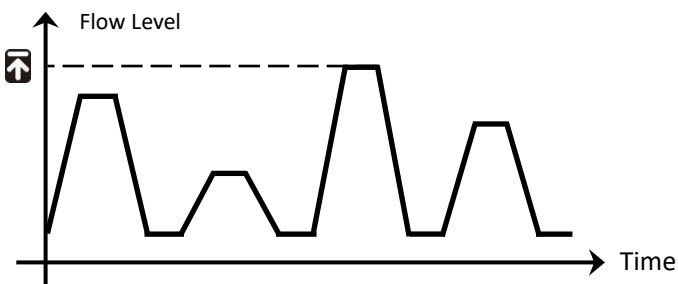
Gradual Pulsing Mode Flow range: -100% - +100%, Time Range: 0.4s-10s



	✓		N/A
	N/A		N/A
	N/A		✓



Random Mode Flow range: -100% - +100%

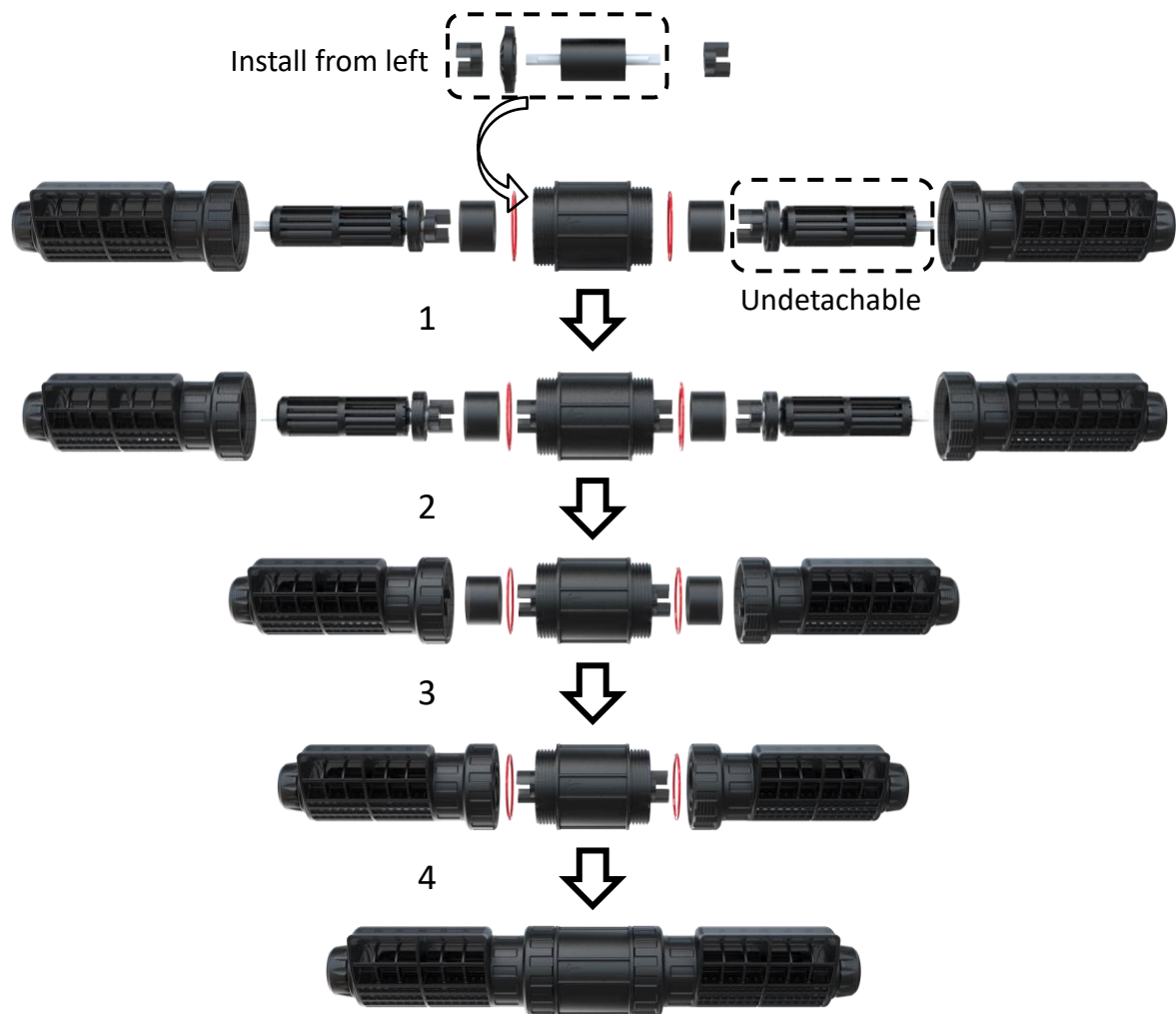


	✓		N/A
	N/A		N/A
	N/A		N/A

Maintenance

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Your Gyre flow Pump is designed to operate optimally with little attention after initial setup. However, due to the harsh conditions of a saltwater aquarium and resulting buildup of algae and other organic matter, it is advisable to clean the pump to ensure the longevity of appliance. Maxspect recommends doing a cleaning every 6 months or as necessary. This can be accomplished by opening the impeller housing and gently brushing the impeller and inside of impeller housing with a soft brush under running water. If there is calcium buildup, it may be necessary to soak these parts in a mild acid solution such as vinegar. **DO NOT** use strong acids, because these may damage the components. After cleaning, reassemble the appliance.



The depression should be match with the bulge inside the cage while installing the impeller into the cage in procedure 2.



One connector should turn 90 degree against the other one while installing the impeller to the rotor in procedure 4.

Note: Please note that the impellers and flow cages must be installed to the correct side when reassembling the gyre after cleaning.

Limited Warranty

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Maxspect (HongKong) Limited warrants all **Maxspect™ Gyre™ Pro Gyre Flow Pump** products against defects in workmanship for a period of 12-months from the date of purchase. If a defect exists during the warranty period, Maxspect (HongKong) Limited at its option will either repair (using new or remanufactured parts) or replace (with a new or remanufactured unit) the product at no charge.

THE WARRANTY WILL NOT APPLY TO THE PRODUCT IF IT HAS BEEN DAMAGED BY MISUSE, ALTERATION, ACCIDENT, IMPROPER HANDLING OR OPERATION, OR IF UNAUTHORIZED REPAIRS ARE ATTEMPTED OR MADE. SOME EXAMPLES OF DAMAGES NOT COVERED BY WARRANTY INCLUDE, BUT ARE NOT LIMITED TO, USING AFTER-MARKET LED BULBS AND MODIFICATION OF THE CIRCUITRY, WHICH ARE PRESUMED TO BE DAMAGES RESULTING FROM MISUSE OR ABUSE.

DISCLAIMER OF CONSEQUENTIAL AND INCIDENTAL DAMAGES:

You and any other user of Maxspect (HongKong) Limited products shall not be entitled to any consequential or incidental damages, including without limitation, loss of use of the unit, inconvenience, damage to personal property, phone calls, lost income or earnings. This warranty gives you specific legal rights and you may also have other rights, which vary from state to state.

MAXSPECT LTD. MAKES NO WARRANTY OR REPRESENTATION, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE PRODUCT'S QUALITY, PERFORMANCE, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE. AS A RESULT, THIS PRODUCT, IS SOLD "AS IS," AND YOU THE PURCHASER ASSUME THE ENTIRE RISK AS TO ITS QUALITY AND PERFORMANCE.

IN NO EVENT WILL MAXSPECT LTD BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY DEFECT IN THE PRODUCT OR ITS DOCUMENTATION.

The warranty, disclaimer, and remedies set forth above are exclusive and replace all others, oral or written, expressed or implied. At no time will any Maxspect (HongKong) Limited dealers, agents, or employees be authorized to make any modifications, extension, or addition to this warranty.

Some states do not allow the exclusion or limitation of implied warranties or liability for incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Specifications

Note: For the latest specifications of the Gyre Pro, please visit: www.maxspect.com



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亲爱的客户,

简

多谢您选购我司商品。

为确保您的安全及使用本产品时得到最佳的效果，请仔细阅读此使用手册。

用户资料：

购买日期：	_____
经销商名称：	_____
经销商地址：	_____ _____
经销商网页：	_____
经销商电邮：	_____
经销商电话：	_____

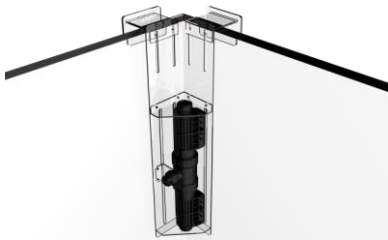
请检查包装内物件是否齐全。

简



*另有延长线可选购。

安装



亚克力支架方案



PVC管方案

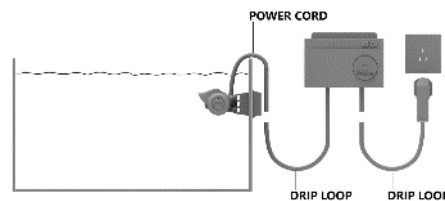
迈光商用版漩影环流造浪泵是专为超大鱼缸设计，其结构与家用鱼缸有很大差异。以上安装示例仅供参考，适用何种安装方式取决于具体个案。所需配件须单独订购并根据具体情况定制。

操作前，请仔细阅读本操作说明，并特别注意遵照下列安全建议。
请保留本说明书以便日後查阅。

简

阅读并遵照以下所有安全说明

1. **危险**-为避免可能触电，在装有水的鱼缸内操作设备请格外小心。出现以下任一情况时，不要尝试自行维修，请交由授权服务提供商处理。
 - a) 如果设备出现任何不正常漏水的情况，请立即断开电源。
 - b) 安装后请仔细检查设备，如果设备中不应有水的部位被沾湿，请不要将设备接通电源。
 - c) 如果设备的电源线或插头受损，或因为误操作、跌落而造成损坏，请不要继续使用设备。
 - d) 为避免设备的插头或插座被水沾湿，应将鱼缸放置在墙上装有插座的旁边。并且所有从鱼缸连接至插座的电源线的最低位应该低于插座的高度。如果插座不慎被水沾湿，不要直接拔出插头，应先断开插座所在电路的电源或拔出保险丝，然后再拔出插头清理积水。



2. 如果使用中的设备附近有儿童，或设备由儿童操作，请格外注意。
3. 为避免可能受伤，请不要触碰任何转动中的部件。
4. 以下情况须先拔出插头：不再使用、安装、拆除或清洁前，不要拉扯电源线，应抓紧插头将插头从插座中拔出。
5. 不要将设备用作其他用途。在设备上使用未经厂家出售或推荐的零件可能会导致不安全。
6. 不要将设备安装、放置在户外，或温度在零度以下的环境中。
7. 使用设备前请确保设备安装牢固
8. 仔细阅读并遵守设备上的安全指引。
9. 如果必须使用电源线延长线，延长线的电流负载能力必须满足设备的需求。

电源安全

1. **电源** - 请勿损害安全极性或接地式插头。极性插头有两个插片，一宽一窄。接地式插头有两个插片和一个接地片。宽插片或第三个插片是为了安全起见。如果插头与插座不匹配，请咨询电工更换不匹配的插座。
2. **电源线保护** - 请将电源线按一定路径放置，以便不会被放置在其上或下面的物体踩踏或挤压。请勿在您手潮湿情况下拿插头或电源线。
1. **安装** - 仅限安装于室内，并且采用厂家提供和规定的附属装置和配件。

磁铁底座安全

简

1. **警告** – 本装置中含有很强的磁铁底座。
2. **警告** – 请将磁铁底座置于远离小孩拿取范围之外，否则存在严重的人身伤害风险！
3. 以适当的方式操作磁铁底座，请勿直接将两边放在一起。请勿将手放在磁铁底座之间。
4. 磁铁底座能吸引金属物体，请在操作磁铁底座避免受伤及避开金属物。
5. 磁铁底座也能损坏电和磁性存储设备，例如 USB 存储器、起搏器、信用卡等。操作磁铁底座时避开这些设备，以避免损坏它们。

关于游影环流泵造浪时的安全

1. 采用游影环流泵做浪时会给鱼缸玻璃/丙烯酸材料或其接合处产生更大的应力。并不是所有的玻璃缸能够承受这一应力，可能会因此发生玻璃//丙烯酸材料或其结合处故障。请咨询玻璃缸厂家，确定是否玻璃缸结构足以抵制由于造浪产生的更大应力。也请检查确保您的玻璃缸架是否放平，这将减少由于造浪产生的更大应力。
2. Maxspect 对任何玻璃缸或其周围环境、水损坏或由于造浪造成的任何其它间接损坏概不负责。

操作 – 控制器

1. **操作** – 使用控制器时，始终遵循使用手册中规定的操作说明。
2. **热量** – 控制器单元须远离诸如散热器之类的热源，不要暴露于诸如太阳、火或其它类似物的过高热量环境中。
3. **湿气** – 为了降低火灾或电击风险，禁止把控制器单元暴露于下雨、潮湿、滴水或溅湿环境中。
4. **水损害** – 禁止浸在水中。若控制器单元掉入水中，禁止伸手取出！首先应拔掉插头并拿出。如果装置的电子部件受潮，请立即拔掉装置。

操作 – 游影环流泵泵体

1. **安装** – 游影环流泵会在鱼缸中产生高速水流。安装时请确保缸中生物与环流泵的出水口保持适当的距离。
2. **停转** – 许多因素可能会使环流泵停止运作。请首先检查是否有阻塞转子旋转的物体。
3. **过热** – 游影环流泵设计用于水下工作。请勿在没有进入水中时运行。因为这样做会引起泵体过热，并会损坏泵体部件。
4. **清洁** – 请按照手册中的说明定期清洁游影环流泵。
5. **停电** – 停电过程中，若游影环流泵装有电池备用装置，泵将在停电过程中自动转换到池备用模式。此泵将以最小速度运行，以便尽可能在临界期延长它们的运行时间。

控制面板










显示屏图标介绍

水流模式

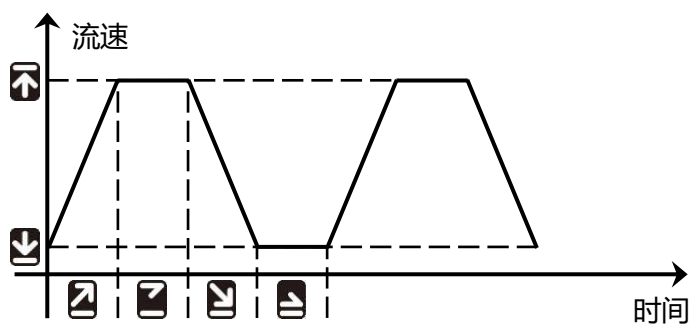
-  恒速模式
-  快慢模式
-  渐变快慢模式
-  随机模式

变量参数


-  最高转速
-  最低转速
-  上升时长
-  下降时长
-  最高转速持续时长
-  最低转速持续时长

-  开关指示灯
-  手动模式指示灯
-  自动模式指示灯
-  设置指示灯
-  工作速度
-  TP 时间点
-  时钟


变量参数介绍



开关设备






正常工作情况下，按住  按钮约三秒钟可开启或关闭设备。

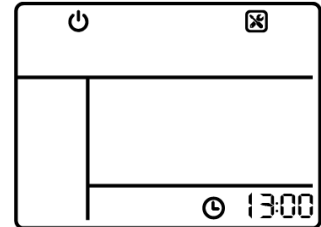
喂饲模式

正常工作情况下，按动  按钮可进入或离开喂饲模式。喂饲时长不可调节。


时钟设置

简

1. 正常工作情况下，按住  和  按钮进入时钟设置界面；
2. 旋转  旋钮设置参数；
3. 按动  旋钮切换参数；
4. 按动  按钮保存设置。









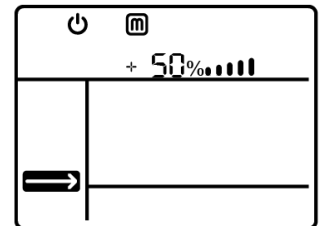
工作模式切换

正常工作情况下，按住  按钮约三秒钟可在自动和手动工作模式间切换。








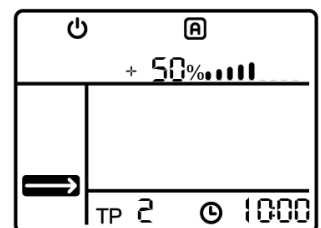
手动工作模式

1. 在手动工作模式下，按动  按钮进入设置界面；
2. 旋转  选择水流模式；
3. 按动  按钮进入设置状态；
4. 旋转  旋钮设置参数；
5. 按动  旋钮切换参数；
6. 按动  按钮保存设置。



自动工作模式

1. 在自动工作模式状态下，按动  按钮进入设置界面；
2. 旋转  旋钮选择时间点；
3. 按动  旋钮切换参数；
4. 转动  旋钮设置参数；
5. 重复 2、3、4 步骤设定所有时间点；
6. 按动  按钮保存设置。

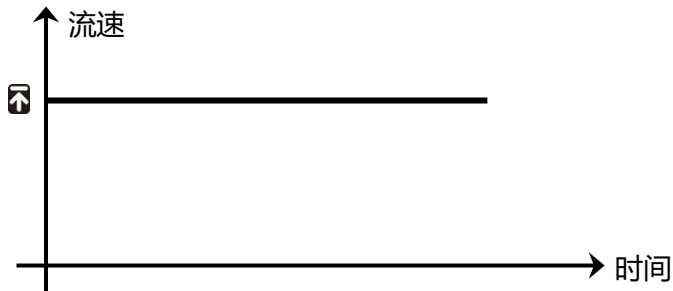


水流模式示例



恒速模式

转速范围: -100% - +100%

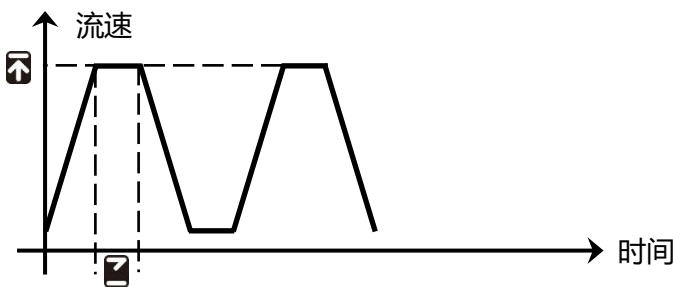


	√		N/A
	N/A		N/A
	N/A		N/A



快慢模式

转速范围: -100% - +100%, 时间范围: 0.4s-10s

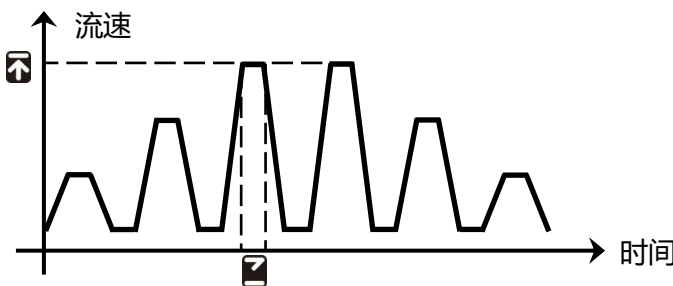


	√		N/A
	N/A		N/A
	N/A		√



渐变快慢模式

转速范围: -100% - +100%, 时间范围: 0.4s-10s

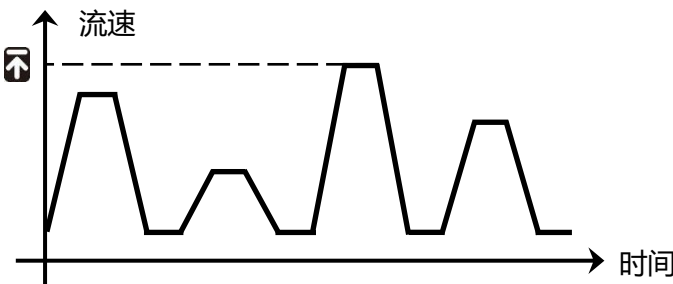


	√		N/A
	N/A		N/A
	N/A		√



随机模式

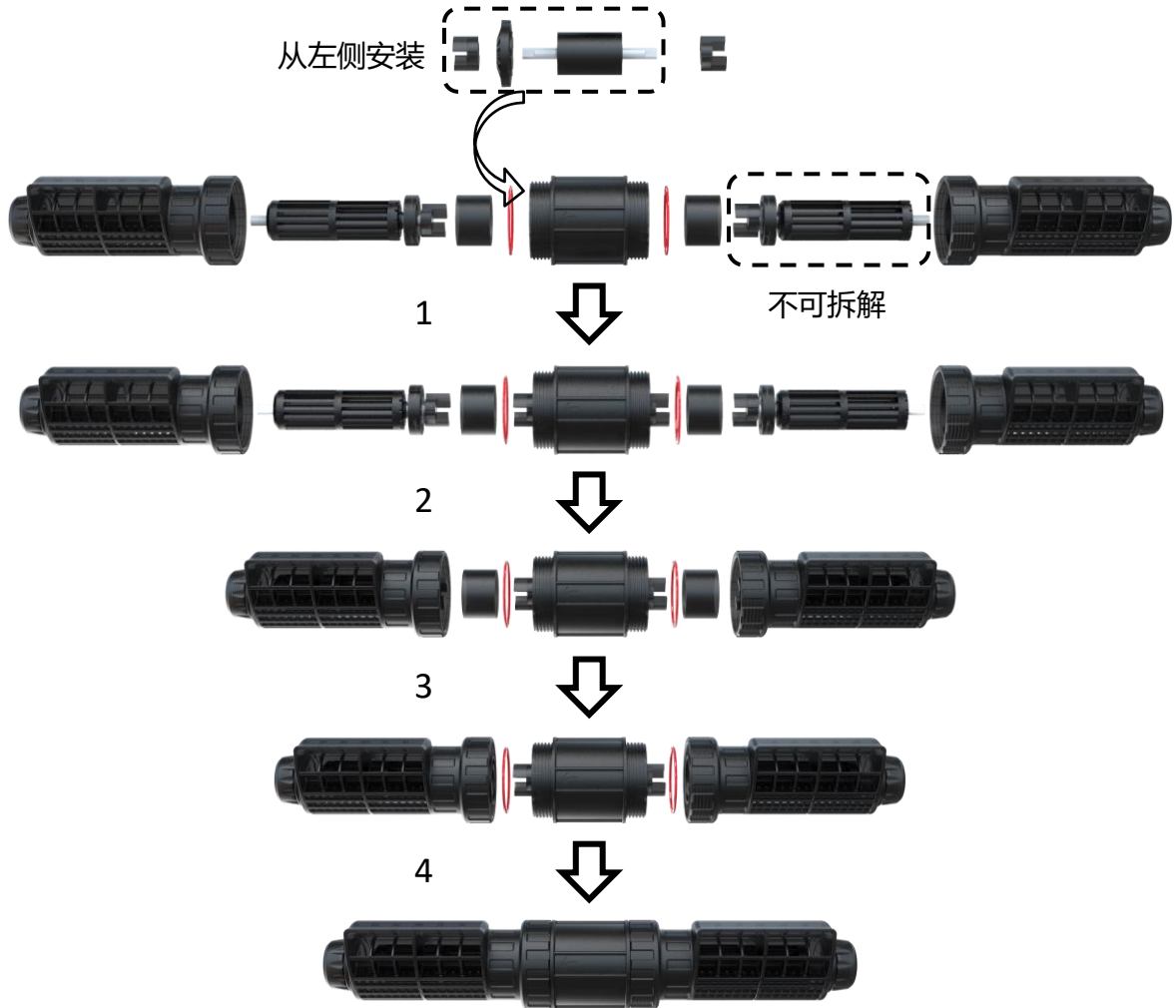
转速范围: -100% - +100%



	√		N/A
	N/A		N/A
	N/A		N/A

简

设备一旦被安装使用后，一般情况下不需要过多关注便能良好地运作。然而，在海水鱼缸这样复杂的环境下，设备内部可能会生长出海藻或其他有机物。因此，我们建议用户每 6 个月、或在需要的情况下清洁设备以确保其使用寿命。清洁时，只需将泵体两侧拆开并放入流水中，用刷子清理泵体内部的积聚物。如果泵体内部积聚了碳酸钙，可用醋等弱酸将其清除，使用强酸可能会损坏设备。清洁后请重新安装设备。



在步骤 2 安装叶轮时，叶轮上的缺口须对准导流罩内的凸点。



在步骤 3 叶轮与电机连接时，两个连接件之间须有 90 度错位。

注意：安装设备时请注意水流罩和叶轮的方向。

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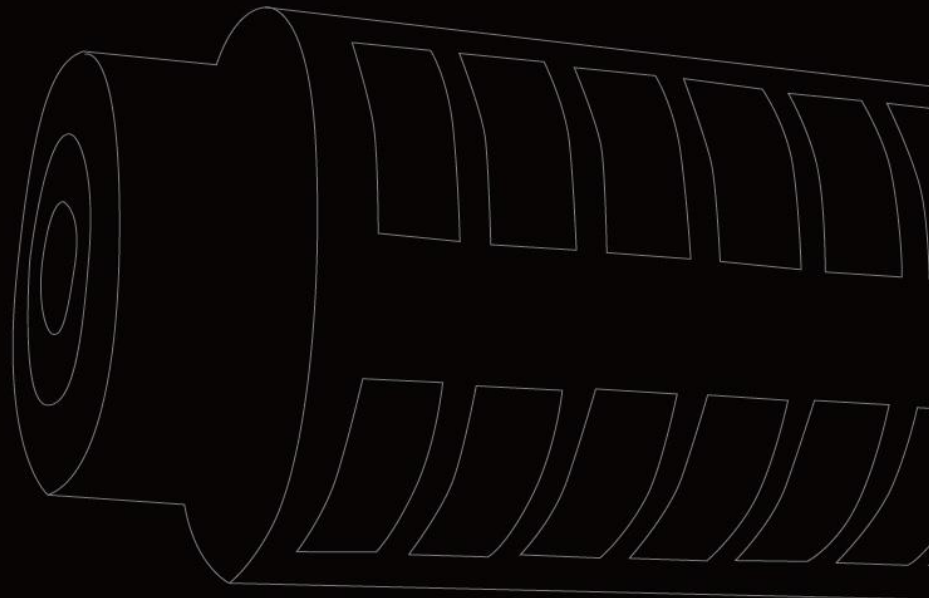
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Maxspect™ Gyre™ Pro Gyre Flow Pump Owner's Manual Version 1.1

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