



**Owner's Manual**

  
GYRE FLOW PUMP



***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.:	_____



<http://coralvue.com/register>

Please fill out your product(s) registration form online.  
Registering your IceCap product will activate its warranty.

## Package Content

Please check the content in the package.

**IC-1K Pump Unit**



**IC-3K Pump Unit**



**Controller Unit**



**Power Supply Unit**



**Side Cap**



For IC-1K only

## Precautions

Before using this product please read these operating instructions carefully.  
Take special care to follow the safety suggestions listed below.

Keep this manual handy for future reference.

### Before using the Gyre-Flow Pump System

1. Remove any plastic bags and packaging material protecting the pump and controller unit.

### 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** – Indoor only and use the attachments and accessories provided and specified by the manufacturer.

### Safety on Magnet Mount

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 IceCap Pump System

1. Making pulses and waves with the IceCap Pump 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 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.
2. We DISCLAIM 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

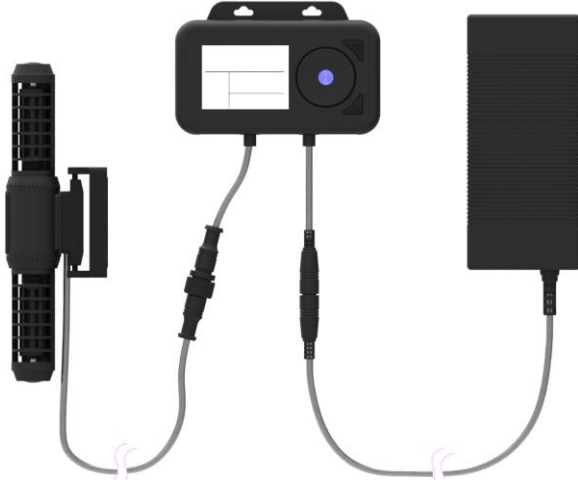
1. **Operation** – Always follow the operation instructions set forth in this manual when using this controller unit.
2. **Heat** – The controller unit should be situated away from heat sources such as radiators, and do not expose to excessive heat such as sunshine, fire or the like.
3. **Moisture** – 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

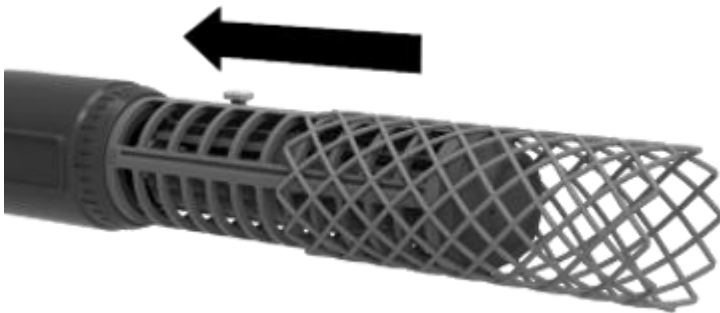
1. **Placement** – The pump creates high levels of flow within your aquarium. Please place the pump in an area where corals are not too close to the output flow of the pump.
2. **Stall** – In the event of a motor stall, the pump may have stopped for a few possible reasons. You should first check that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

## Installation Instructions

**Connect the controller to the pump and power supply.**



**Insert the protective sleeves if necessary.**

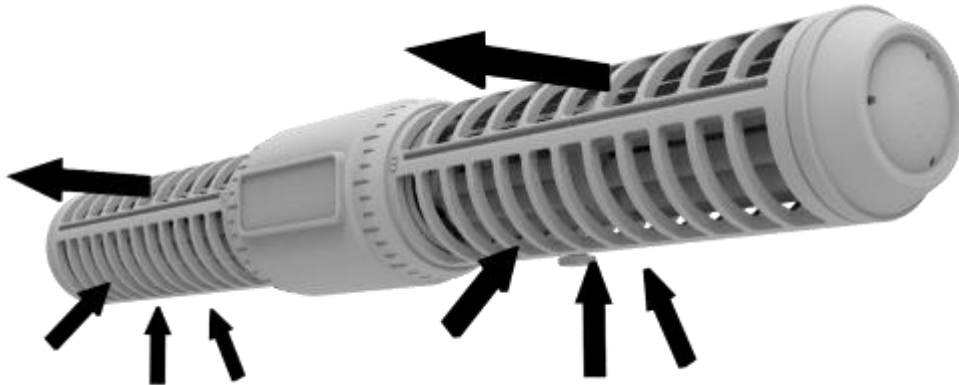


**The directional cage can be easily adjusted.**

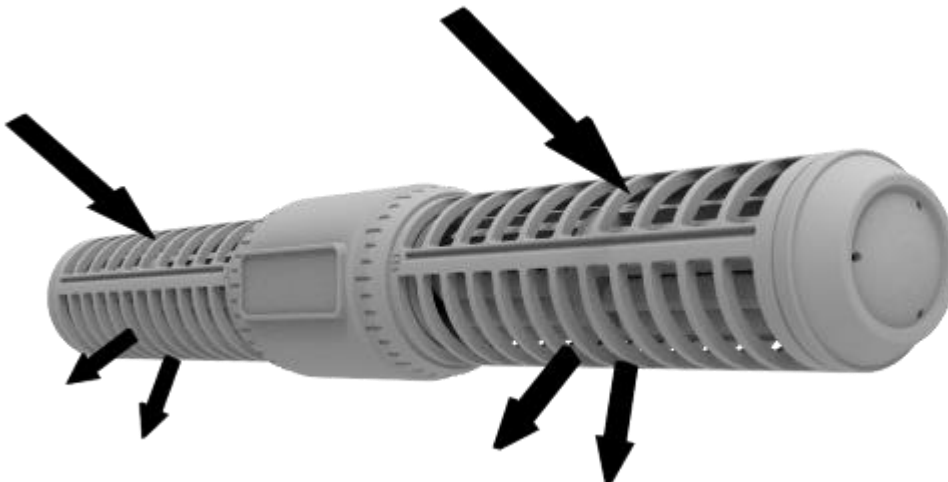


## Installation Instructions

**Water flow when pump is running in normal direction.**



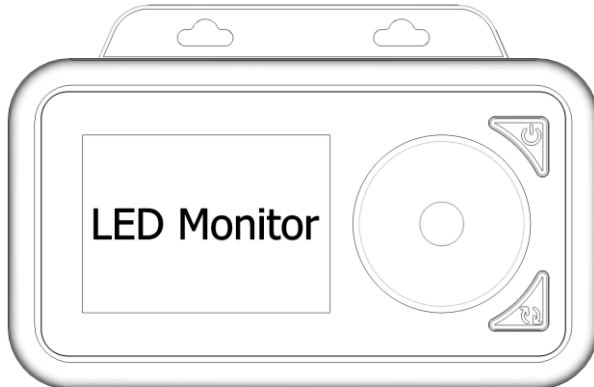
**Water flow when pump is running in reversed direction.**





# Operating Instructions

## The GP Pump Controller Unit



Setup Mode Button



Switch Mode Button



Control Dial



On / Off



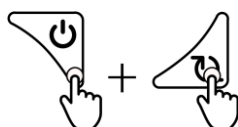
Feeding mode



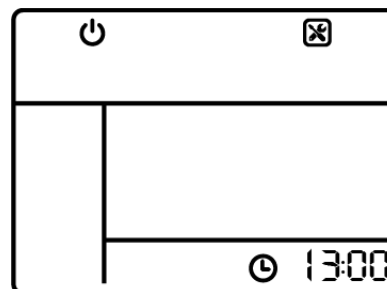
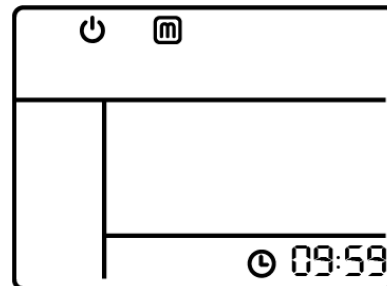
Switching between  
Auto Mode / Manual Mode



Enter Setup mode








Set the time









# Operating Instructions

## OLED Screen Icon

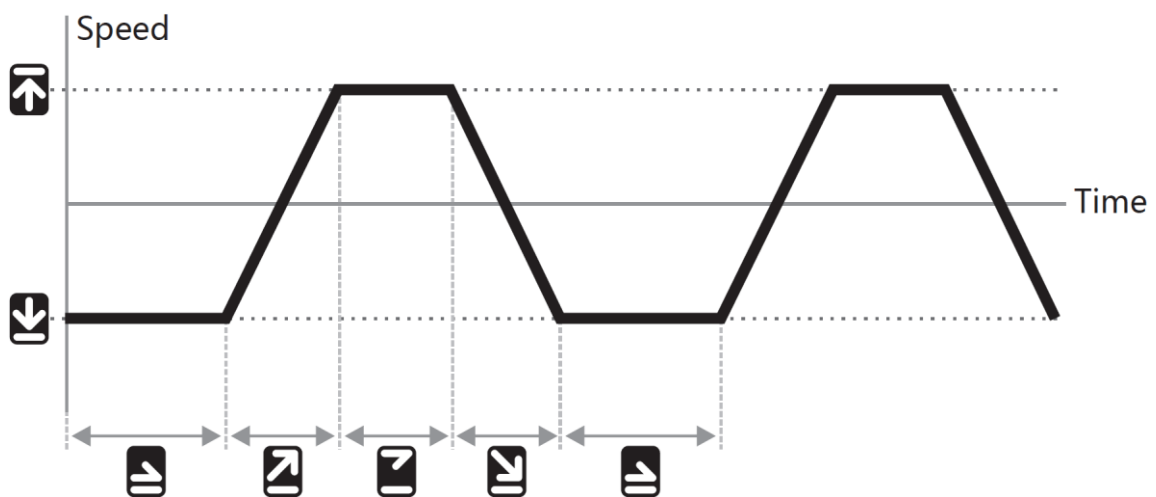
### Water Movement Modes

-  Constant Speed Mode
-  Pulsing Mode
-  Gradual Pulsing Mode
-  Random Mode
-  Alternating Gyre Mode

### Variables

-  Maximum flow
-  Minimum flow
-  Ramp up time
-  Maximum flow time
-  Wind down time
-  Minimum flow time

## Variables Illustrated



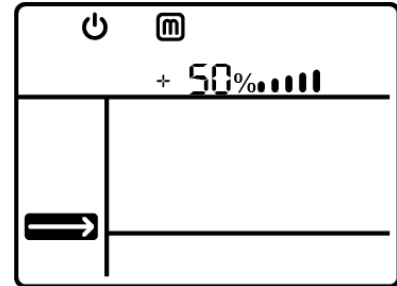
# Operating Instructions



## Manual Mode

#1

Manual mode screen



#2

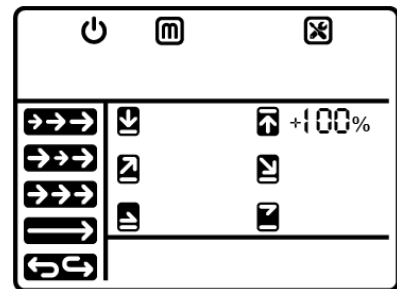


Enter manual setting mode

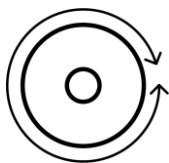
#3



Press to switch  
Between parameters



#4

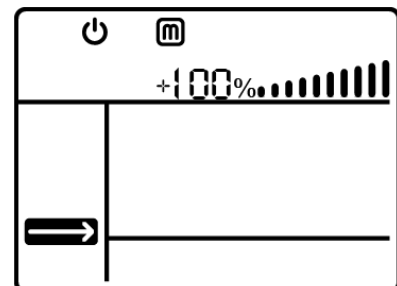


Rotate to set a value

#5



Confirm and exit setting mode

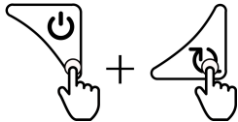


## Operating Instructions

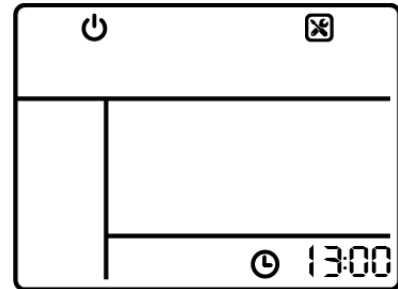


### Auto Mode (24 hours cycle)

#1



Set the time first



#2

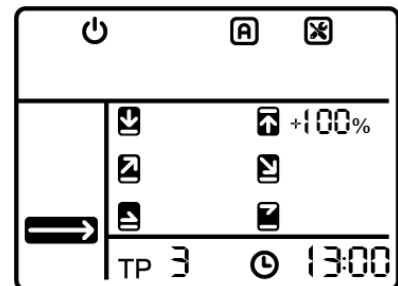


Enter auto setting mode

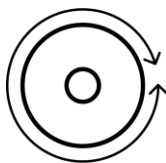
#3



Press to switch  
Between parameters



#4

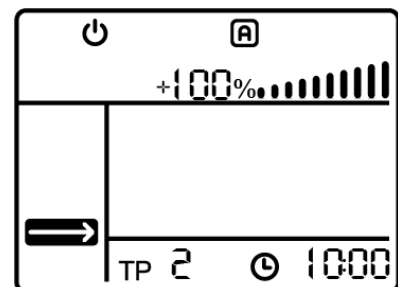


Rotate to set a value

#5

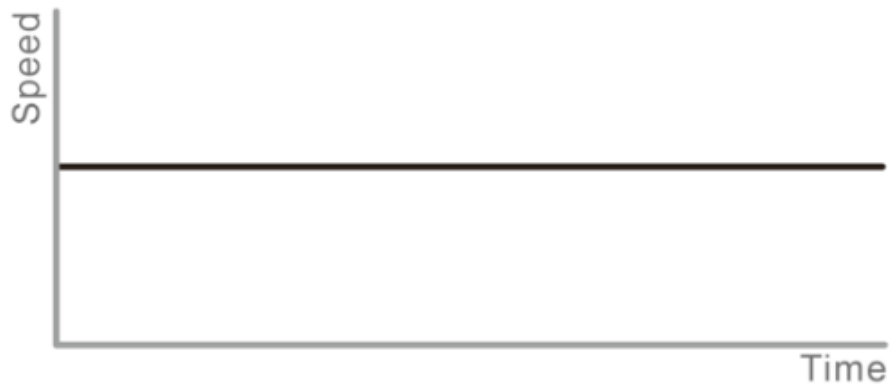


When finished, confirm  
and exit auto setting  
mode



## Operating Instructions

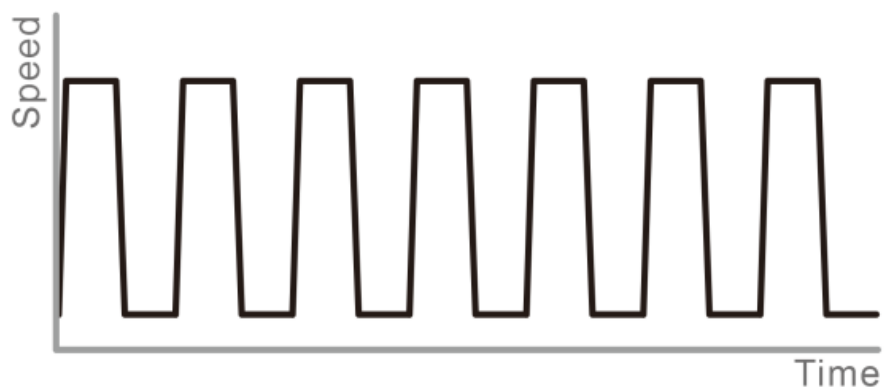
### → Constant Speed Mode



#### Configurable Variables

↗	User Input	↘	--	↙	--
↘	--	↗	--	↙	--

### →→→ Pulsing Mode

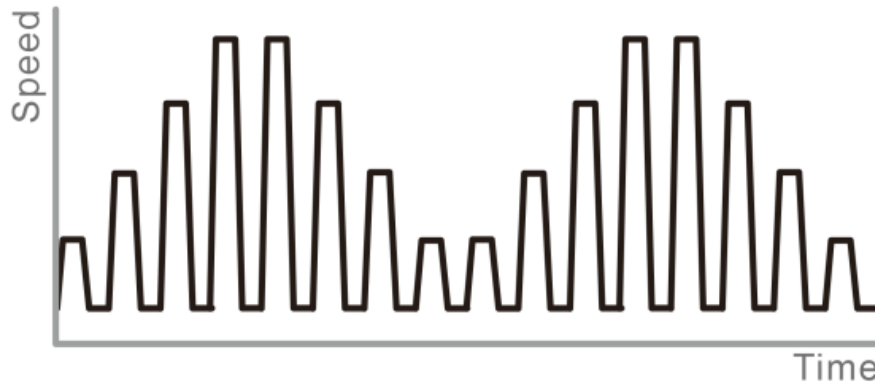


#### Configurable Variables

↗	User Input	↘	0.4s	↙	0.4s
↘	--	↗	User Input	↙	--

## Operating Instructions

### →→→ Gradual Pulsing Mode



#### Configurable Variables



User Input



0.4S



0.4S



--

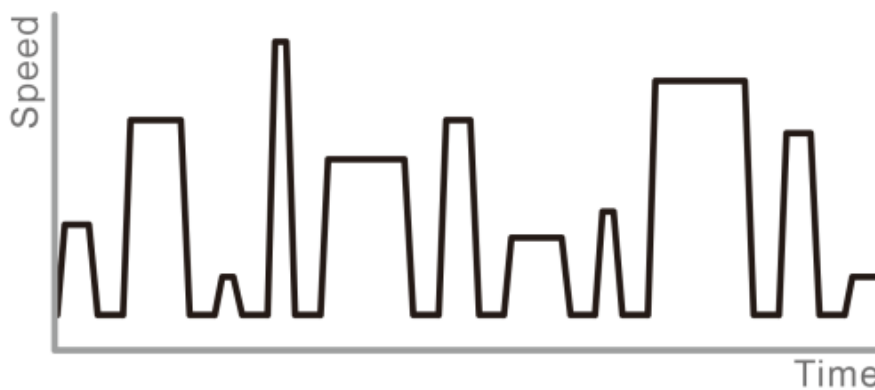


User Input



--

### →→→ Random Mode



#### Configurable Variables



User Input



0.4s



0.4s



Randomized



Randomized

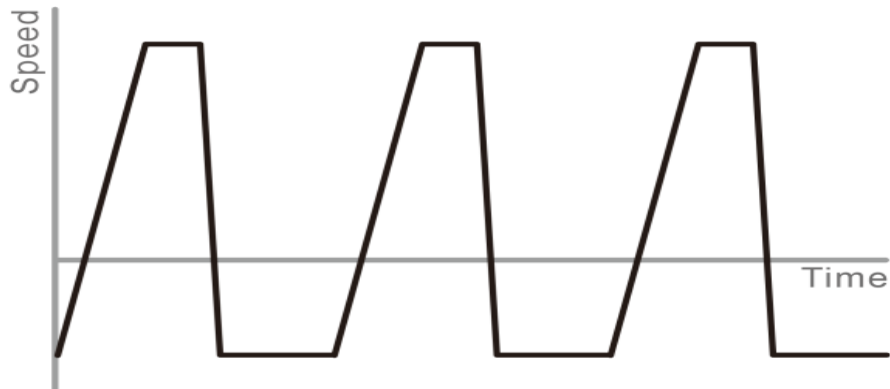


Randomized

## Operating Instructions



### Alternating Gyre Mode



### Configurable Variables



User Input



User Input



User Input



User Input



User Input



User Input

## Limited Warranty

We warrant all our products against defects in workmanship for a period of 12-months from the date of purchase. If a defect exists during the warranty period, our company at its option will either repair (using new or remanufactured parts) or replace (with a new or remanufactured unit) the product at no charge.

There is a possibility that the pump may cause damage to your aquarium. Please contact your aquarium manufacturer to determine if your aquarium is properly built and recommended for wave action. If you notice any damage to your aquarium, including but not limited to cracking, bending, scratching, etc., immediately discontinue the use of the pump. We will not be liable for any damage caused to your aquarium resulting from the use of pump.

### **DISCLAIMER OF CONSEQUENTIAL AND INCIDENTAL DAMAGES:**

THE EXPRESS WARRANTY AND REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES AND REMEDIES, WHETHER ORAL OR WRITTEN, EXPRESS OR IMPLIED. TO THE FULL EXTENT PERMITTED BY LAW, WE EXPRESSLY DISCLAIM ANY AND ALL IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IF IMPLIED WARRANTIES CANNOT BE DISCLAIMED, ALL SUCH IMPLIED WARRANTIES ARE LIMITED TO THE DURATION OF THE APPLICABLE EXPRESS WARRANTY.

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## Limited Warranty

UNDER NO CIRCUMSTANCES SHALL OUR COMPANY AND ITS DISTRIBUTORS BE LIABLE FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES INCLUDING, WITHOUT LIMITATION, LOST GOODWILL, LOST REVENUES OR PROFITS, WORK STOPPAGE, AQUARIUM SYSTEM FAILURE, IMPAIRMENT OF OTHER GOODS, COSTS OF REMOVAL AND REINSTALLATION OF THE PUMP, LOSS OF USE, DAMAGE TO YOUR AQUARIUM OR ANY AQUARIUM INHABITANTS, INJURY TO PERSONS OR PROPERTY ARISING OUT OR RELATED TO THE PUMP WHETHER BASED ON BREACH OF WARRANTY, BREACH OF CONTRACT, TORT OR OTHERWISE, EVEN IF OUR COMPANY AND ITS DISTRIBUTORS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. IF YOU DISAGREE WITH THESE TERMS AND CONDITIONS DO NOT USE THIS PRODUCT.

ROTORS, SHAFTS AND BUSHING COMPONENTS ARE WEAR-AND-TEAR PARTS. UNDER NORMAL USAGE, ALL WEAR AND TEAR OCCURRED TO ROTORS, SHAFTS AND BUSHING COMPONENTS ARE NOT COVERED IN THE WARRANTY.



## Need help?

For how-to videos, further assistance or questions regarding your pump, please visit [coralvue.com/support](https://coralvue.com/support).



## **IceCap Aquarium Products**

NOTE: Products, packaging, features and specifications are subject to change.

All screen images are simulated.

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