

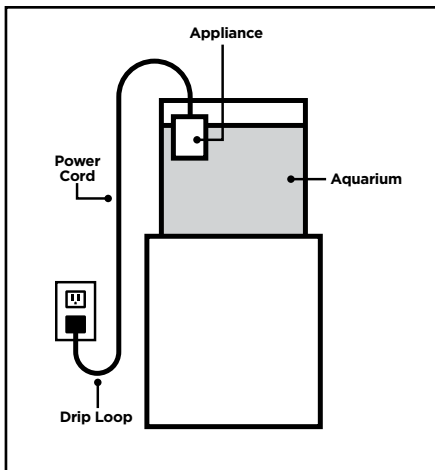


**WARNING:** TO GUARD AGAINST INJURY, BASIC PRECAUTIONS SHOULD BE OBSERVED, INCLUDING THE FOLLOWING:

**A) READ AND FOLLOW ALL SAFETY INSTRUCTIONS.**

**B) 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 repairs by yourself; return the appliance to an authorized service facility for service or discard the appliance:

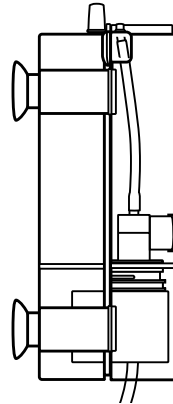
- 1) If the appliance falls into the water, DON'T reach for it! First unplug it and then retrieve it. If electrical components of the appliance get wet, unplug the appliance immediately. (Non-immersible equipment only)
- 2) If the appliance shows any sign of abnormal water leakage, immediately unplug it from the power source. (Immersible equipment only)
- 3) Carefully examine the appliance after installation. It should not be plugged in if there is water on parts not intended to be wet.
- 4) 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.
- 5) 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 below, 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 receptacle does get wet, DON'T 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.



**NOTE:** GFCI outlets should be used with all aquarium equipment.

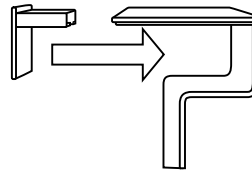
**INITIAL SETUP**

Out of the box, the Aquatic Life Mini Protein Skimmer is mostly assembled and ready to operate. There are three bags that are included in the box; the Mini Skimmer collection cup, the mounting clips and the main housing of the Mini Skimmer. All components are packaged in either plastic bags or bubble bags for protection.



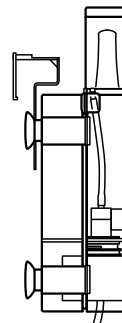
**MOUNTING CLIPS WITH SUCTION CUPS (OPTION #1)**

The suction cups included with the skimmer are already mounted and ready for installation in the aquarium or filtration area. The suction cups will allow the Mini Skimmer to be positioned almost anywhere.

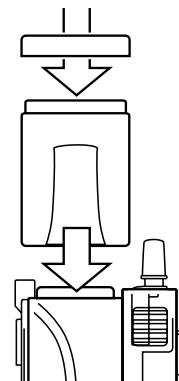


**MOUNTING BRACKET AND LOCK (OPTION #2)**

Slide the mounting lock onto the mounting bracket and then slide the mounting bracket with the mounting clip into the top mounting clip on the Mini Skimmer. Adjust the height to best position the skimmer.

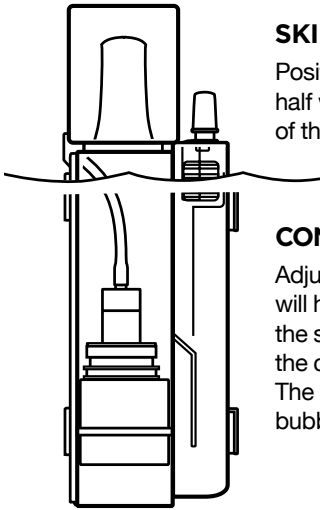


**NOTE:** You can use both the suction cups and the mounting bracket together.



**COLLECTION CUP**

Install the collection cup on the top of the skimmer. The fit is meant to be tight to help seal the cup with the Mini Skimmer housing. Hold the skimmer while attaching the cup to prevent changing its mounting position.



### SKIMMER POSITIONING

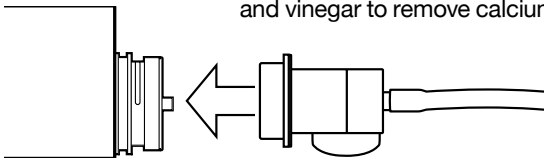
Position the skimmer so that the water level is half way up the grate located on the right side of the Mini Skimmer.

### CONTROL KNOB AND ADJUSTMENTS

Adjusting the control knob on the skimmer will help raise and lower the bubble column in the skimmer. The more open the grate under the control knob, the lower the bubble column. The more closed the grate, the higher the bubble column.

### MAINTENANCE

- Remove the collection cup and clean when full for better visibility of the bubble column.
- Remove the mounting clips on the side of the skimmer to separate the front and back housing. Gently pull the motor from the front housing of the skimmer. This will allow access to the motor housing. Remove the impeller and clean with a solution of water and vinegar to remove calcium build-up.



- While the motor housing is removed from the skimmer, it is a good idea to clean the Venturi tube. Soaking the front housing of the skimmer is better than trying to remove the tubing from the plastic parts and risk breaking any of the connections. Soaking in a vinegar and water bath will clean the entire skimmer, not just a few parts.

### TROUBLE SHOOTING

#### Mounting the Skimmer

- It is very important to mount the Mini Skimmer in a location with a fixed water level. Changes in water height will effect the skimmer's performance.



**NOTE:** When the skimmer is first installed, it may be necessary to adjust the skimmers height in the water to prevent over production of bubbles.

#### Water Level

- The location of the Mini Skimmer is very important in the operation of the skimmer. The water level for the skimmer should remain stable and not change. If there are water level changes, you will notice that the skimmer's bubble level will also change. **A stable fixed water line is crucial.**
- The initial water level for the Mini Skimmer should be somewhere between the middle to bottom of the return grate. If the skimmer is submerged further you may find that the skimmer is not as easy to control.

The skimmer water intake must be below the water line and the top of the Venturi tube (air intake) must be above the water line.

#### Microbubbles

Below are some common reasons why skimmers may release microbubbles outside of the skimmer.

1. Is this the first skimmer used on the aquarium? Most newly installed skimmers require a break in period. Raising the skimmer about an inch out of the aquarium will help slow the bubble rise in the collection cup. As the skimmate (material collected in the skimmer cup) is concentrated and the bubbles in the skimmer lessen, you can lower the skimmer to the proper height.
2. Some types of fish food can cause the skimmers to overproduce and start to overflow the collection cup. First, take note of what food is causing this reaction in the skimmer. Second, raise the skimmer out of the water about an inch until the skimmer returns to normal.
3. Aquarium additives will sometimes make the skimmer overproduce. Raise the skimmer out of the water about an inch until the skimmer returns to normal.

### WARRANTY

Aquatic Life warrants that this product shall be free from defective electrical components and leaks or cracks due to defects in materials or workmanship for a period of twelve (12) months from the date of purchase. If a defect is shown, Aquatic Life will, at Aquatic Life's sole discretion, either repair or replace the product without charge. No cash refunds will be made. This warranty is provided solely to the original consumer purchaser of the product and may not be transferred or assigned.

This warranty does not apply to damage resulting from accident, misuse, abuse, lack of reasonable care, failure to follow safety and installation instructions, use of the product with non-standard electrical service, or any other defect not resulting from defects in the electrical components of the product or defects in materials or workmanship. This warranty will not be effective unless and until the Aquatic Life product is shown to have been used in accordance with the safety and installation instructions accompanying the product.

THIS CONSTITUTES AQUATIC LIFE'S ENTIRE WARRANTY AND AQUATIC LIFE MAKES NO OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, WITH RESPECT TO THE PRODUCT. AQUATIC LIFE SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IF AQUATIC LIFE CANNOT LAWFULLY DISCLAIM IMPLIED WARRANTIES UNDER THIS LIMITED WARRANTY, ALL SUCH WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY. AQUATIC LIFE IS NOT RESPONSIBLE FOR DIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY OR CONDITION, OR UNDER ANY OTHER LEGAL THEORY. AQUATIC LIFE EXPRESSLY DISCLAIMS ALL ALLEGED DAMAGES FOR LOSS OF MARINE LIFE, PERSONAL INJURY, AND/OR PROPERTY DAMAGE.

Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages or exclusions or limitations on the duration of implied warranties or conditions, so the prior limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary by state or province.

Aquatic Life shall not have any obligations under this warranty unless the owner notifies Aquatic Life in writing of any alleged defect(s) within 30 days of discovery of the defect(s). Any notice to Aquatic Life must be delivered by United States or electronic mail to the following address:

**U.S. Mail**  
 Aquatic Life  
 9710 Klingerman St.,  
 S. El Monte, CA 91733

[customersupport@aquaticlife.com](mailto:customersupport@aquaticlife.com) | 1-888-548-3480

Aquatic Life shall be allowed a reasonable period of time to investigate any warranty claim and to perform any testing Aquatic Life deems necessary to determine the cause of the defect. This warranty shall be interpreted under the laws of the State of California.