



## REEFSICLE FROZEN FOOD DISPENSER

Thank you for purchasing the Reefsicle feeding system! It's easy to setup and get started. With proper care, your Reefsicle has been designed to give you years of trouble-free use. Take all the contents out of the package. You should have an acrylic shell surrounding the silicone thawing chamber, a silicone ice mold with 4 plastic Reefsicle sticks and the acrylic aquarium mount.

There is a plastic beaker and spatula to help you make your Reefsicles.

**Warning:** Keep this product out of the reach of children. The Reefsicle mold is NOT to be used for human popsicles or food consumption. While the materials are food-grade, the product is not FDA approved for human or food fish (fish that are raised to be consumed by humans) consumption.



Rinse all components of the product thoroughly before first use with dechlorinated water. Never use soap or chemicals when cleaning.



# REEFSICLE FROZEN FOOD DISPENSER

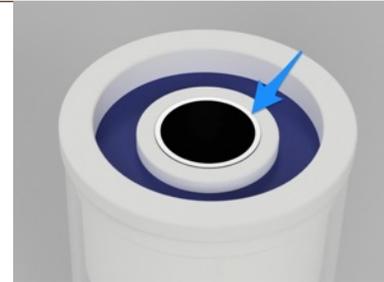
Thank you for purchasing the Reefsicle feeding system! It's easy to setup and get started. With proper care, your Reefsicle has been designed to give you years of trouble-free use. Take all the contents out of the package. You should have an acrylic shell surrounding the silicone thawing chamber, a silicone ice mold with 4 plastic Reefsicle sticks and the acrylic aquarium mount.

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## PREPARE THAWING CHAMBER

The thawing chamber is the centerpiece of the Reefsicle system. It contains a volume of ice that controls the thawing rate of the Reefsicle (combination of ice and fish food). It is thinner at the bottom and thicker at the top. The thin area melts first, the thick area melts later, controlling the rate at which food falls into the aquarium.

Rinse the thawing chamber with clean water and fill to about 1/4" below the top of the inner cylinder with dechlorinated, fresh water. As the water freezes (it expands), the level will rise about 1/4". If overfilled, the water/ice will spill. Make sure the clear acrylic tube shell is in place (pictured). Place the filled thawing chamber with shell and onto a shelf in your freezer. Make sure it is a clean, level location in your freezer.



*Blue color indicates water filling level. Make sure inner acrylic tube aligns with top of chamber (arrow).*

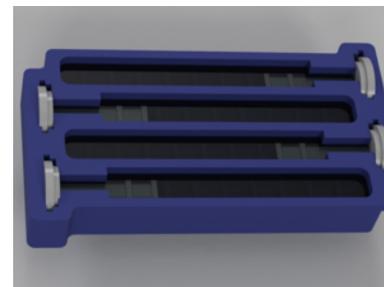


*After filling, place lid on top, then place unit in freezer*

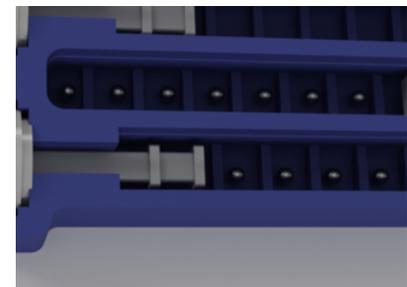
## PREPARE ICE MOLD

Rinse ice mold with clean water. Fill each chamber in the ice mold with clean water to the level of the small horizontal indented line (or to the level where water just covers the stick). As the water freezes to ice, it expands and the level in the mold will slightly rise. Depending on the amount of food you will be adding, you may need to leave some room for the volume that the added food will occupy.

Using the provided spatula or other clean utensil, scoop the desired amount of your favorite food into each chamber in the mold. We like to use small chunks of fish or shrimp such as brine or mysis. Any food that can be frozen and that fits in the mold should work. The amount of food in each chamber should be equal to the amount you normally feed your tank in a day. Do not place any food directly onto the stick; it won't do any harm but it will likely remain stuck onto the stick and will be a waste. When ice mold is filled with food and water, carefully (to avoid spilling) place the tray onto a shelf in your freezer.



*Fill to line on tray (~30 mL) dechlorinated fresh water. Fill less if you plan to use a lot of food.*



*Spheres illustrate food. Do not place food over stick, the food will stick to the stick!*



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## INSTALL MOUNT ONTO RIM OF AQUARIUM

Install mount onto rim of aquarium. Gently tighten thumb screws to secure, DO NOT over tighten! Make sure the mount is level (you can eyeball it but its recommended to use a level tool). If the mount is not level, the Reefsicle will not hang vertically and some of the food might stick to the inner wall of the thawing chamber.

Tips: If you have a thick rim on your aquarium, it may be useful to find a small shim to improve the fit. Make sure you cover any open water of your aquarium to prevent fish and other livestock from escaping.

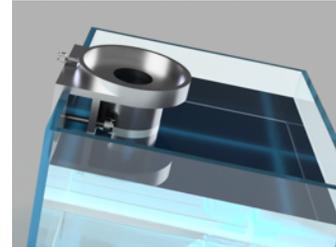
## FINAL ASSEMBLY

When contents of thawing chamber and ice mold are frozen, remove both the thawing chamber and ice mold from freezer. Place the thawing chamber on the mount and gently secure it with thumb screw. Remove a single Reefsicle (stick, ice and food) from the ice mold. Take advantage of the soft silicone and peel it away from the ice. Do not put very much force onto the Reefsicle/ice or you can break it. It is useful to place your finger/thumb between the Reefsicle and the mold to gradually separate the two. After trying it once or twice, you should get the hang of it.

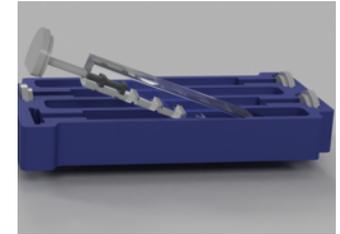
After a Reefsicle is separated from the mold, insert it into the chamber so that the plastic stick catches on the inner acrylic tube. Sometimes there can be a small amount of ice on the stick preventing a clean/snug fit inside the acrylic tube. In this case, you can rinse the stick with clean water for a few seconds and it will quickly melt the ice off the stick. Place chamber lid onto chamber.

Install the chamber, Reefsicle and lid combination onto the aquarium mount. Gently tighten the thumb screw to secure the thawing chamber onto the aquarium mount. Do NOT over tighten, this can potentially damage or crack the acrylic tube/shell.

After about 6-8 hours when the Reefsicle is melted, or after you get home in the evening, place the thawing chamber / acrylic shell in the freezer so it's ready for tomorrow.



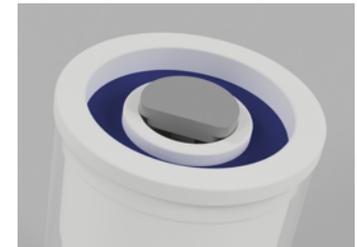
*Install mount onto aquarium rim. Mount should be level. Don't over tighten*



*Remove a single Reefsicle from the ice mold. Carefully peel away the flexible silicone from the ice.*



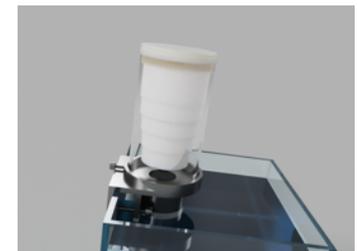
*Insert Reefsicle into chamber and replace lid*



*Reefsicle stick fits (inverted) into inner cylinder of chamber.*



*Replace lid onto thawing chamber.*



*Install the thawing chamber/Reefsicle assembly onto aquarium*

## THAT'S IT!

After all components are installed above the tank you can walk away knowing that you will be slowly feeding your tank inhabitants while you are away! When you come home in the evening, replace the thawing chamber and shell into the freezer. In the morning, repeat the process! Your fish will quickly become accustomed to the feeder and even hang out near it while the food is being released into the tank!

## FREQUENTLY ASKED QUESTIONS / TROUBLESHOOTING

### IS THE FOOD FRESH?

The Reefsicle remains at 32 degrees F until it turns to water and drops food into the aquarium. The water temperature at the melting surface is just above 32F. This freezing temperature keeps the fish food fresh all day, its essentially the same as storing it in your freezer. The food quickly reaches aquarium temperature within a few seconds of landing in the aquarium water. Rest assured the food remains as fresh as it was when you placed it in the ice mold.

### IS IT REEF SAFE?

Our extensive product testing took place over 1 year. Our experience indicates that the Reefsicle is safe for your reef fish. The corals (soft and hard) and fish that have been tested with the system have thrived and even reproduced (clownfish and Banggai cardinal species). The materials we use are reef safe acrylic, food safe silicone and HDPE. All these materials have a long track record of being reef safe in the hobby.

### WILL THE COLD WATER HARM MY AQUARIUM?

Not likely! The ice cold water in the thawing chamber never comes in contact with your aquarium. The ice in the thawing chamber is insulated from the aquarium. The long acrylic shell helps provide insulation. Both air (between the thawing chamber and acrylic shell) and acrylic shell are poor thermal conductors, making the heat/cold transfer very slow. Also, the thawing chamber attaches to the acrylic shell at the top of the acrylic tube (far from the aquarium) and the thawing chamber does not directly touch the aquarium mount or aquarium. This design was intentional and provides significant insulation from the ice cold chamber transferring heat/cold to your aquarium. The Reefsicle itself melts very slowly, approximately one drop of cool water every 45 seconds. The cold water is easily self-corrected by your reef lighting, heater, pumps and often ambient/room temperature. We have successfully tested the Reefsicle to be safe in systems 10 gallons and larger.

### CARE / MAINTENANCE

Every week, you should empty the thawing chamber, rinse and refill. This will keep your thawing chamber clean and free of film/deposits. You should also remove the mount and give it a quick rinse with clean water to get any films off of it.

### WHAT IS THE IDEAL PLACEMENT?

Place the Reefsicle system far from lights and high water movement. Heat from your lights will be transferred to the Reefsicle system, decreasing thawing time. Water flow that directly hits the aquarium mount / feeding ring also transfers heat to the Reefsicle system. Water transfers heat very quickly, and with a reef tank being at 78F (ice is 32F), the more water flow hitting the mount will decrease thawing time.

More questions? contact us at [support@smarterreefs.com](mailto:support@smarterreefs.com)