

FISSION SKIMMER

Power Protein Skimmer

Instructions for Models
#8102, 8103

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WHAT'S NEXT

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SAFETY INSTRUCTIONS

WARNING

To guard against injury, basic safety precautions should be observed, including the following:

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

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 your retailer or discard the appliance.

- If the appliance falls into the water, or water drips onto the unit, **DON'T** reach for it! First unplug it and then retrieve it. If electrical components of the appliance get wet, unplug the appliance immediately.
- Always unplug 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 fully and pull out to disconnect.
- Carefully examine the appliance after replacement. It should not be plugged in if there is water on parts not intended to be wet.
- 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.
- Do not use the protein skimmer for anything other than its intended use. The use of attachments not recommended or sold by Current USA may cause unsafe conditions.
- Exposing power cords to water may cause electrical short and fire.
- Do not operate skimmer without water flow to the unit.

SAVE THESE INSTRUCTIONS

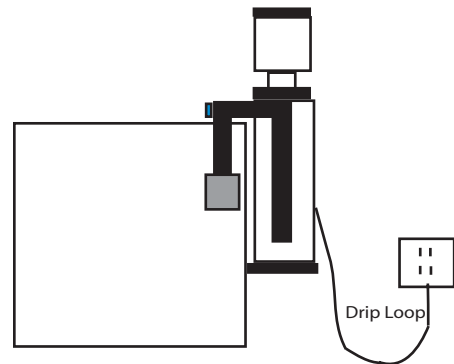
GROUND FAULT CIRCUIT INTERRUPTER PROTECTION

To comply with the National Electrical Code (NFPA 70), and to provide additional protection from the risk of shock, this unit **MUST** be connected to a ground fault circuit interrupter (GFCI) outlet at all times. Do not use extension cords. **WARNING** – To reduce the risk of electrocution, keep all connections dry and off the ground. Do not touch plug with wet hands.

SKIMMER ASSEMBLY

WARNING

1. Always connect pump using a drip loop to avoid the risk of electrical shock. This prevents water from dripping down the power cord into an electrical outlet.
2. Never connect the pump to an electrical outlet with wet hands.
3. Always unplug the skimmer when servicing or not in use.



SKIMMER ASSEMBLY

1. Unpack skimmer components from box. Check the skimmer for any breakage during transit. Be sure to inspect all acrylic components for cracks before assembly. If any damage is found, contact your retailer immediately.

Components:

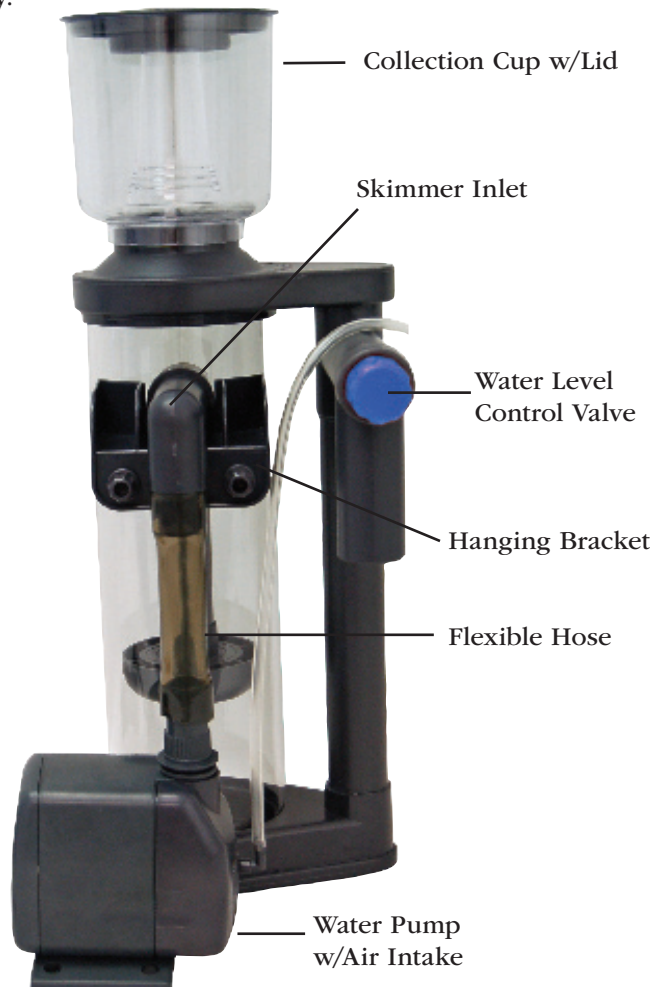
- Skimmer Body
- Collection Cup
- Drain Plug
- Collection Cup Lid
- Air Inlet Silencer
- Water Pump w/Impeller
- Flexible Connection Tubing
- Bubble Reducing Trap



Bubble Reducing Trap



Air Inlet Silencer



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SKIMMER INSTALLATION

2. Place skimmer cup lid onto skimmer cup. Ensure that the waste drain plug is in place, and attach skimmer cup to the main body.
3. Assemble the bubble reducing trap and attach onto skimmer outlet. Using this trap is optional, however with most installations it will greatly reduce the amount of micro bubbles that may pass thru the skimmer.
4. Attach flexible tubing to skimmer intake, then attach water pump assembly to flexible tubing. Ensure that all connections are secure. Attach air inlet silencer tubing to pump inlet barb fitting. **WARNING: Air inlet silencer MUST ALWAYS be placed above the water line.**

INSTALLATION

The Fission Power Skimmer is designed for two types of aquarium installations:

SUMP MOUNT (Preferred method) - The skimmer hangs on a sump or can be submersed in the sump. Ensure that there is a minimum of ½" clearance from the top of the skimmer for removing the collection cup.

HANG-ON TANK - The skimmer hangs directly on the back of the aquarium. **NOTE:** This method requires a minimum of 7" between tank and wall for installation. Mounting bracket will fit up to 1.1" width tank frames.

BEFORE INSTALLATION:

- Prepare approximately 5-gallons of salt water to replace water used by the Fission Skimmer.
- Ensure that pump is unplugged from the power source before installation.
- Allow proper clearance for installation (see above.)

SUMP INSTALLATION

1. Attach flexible tubing and water pump to the skimmer inlet located on the front of the hanging bracket (Step 4 in Assembly.) Note: if hanging the skimmer on the side of the sump, a long piece of flexible hose may be required depending upon your sump height.
2. Fill the skimmer with a few cups of prepared saltwater and place assembled skimmer in desired location into the sump. Filling with water will ensure the skimmer does not float when placing it in the sump.
3. Attach air inlet silencer to pump intake and place on top of the hanging bracket.
4. If attaching skimmer to sump wall, hang the skimmer in the desired location and tighten to sump wall using the hanging bracket screws.

SKIMMER INSTALLATION

HANG-ON TANK INSTALLATION

1. Loosen attachment screws on the hang on bracket.
2. Attach flexible tubing and water pump to the skimmer inlet located on the front of the hanging bracket. Ensure that tubing is clamped to inlet to avoid leakage. (Step 4 in Assembly)
3. Hang skimmer at the desired location using the skimmer bracket. The water pump and outlet of the skimmer should be submersed in the aquarium. For proper operation, it is recommended to have the water pump a minimum of 3"-5" under water.
4. Tighten screws on the skimmer hanging bracket, attaching skimmer to tank wall.
5. Turn water pump on for a few seconds, allowing skimmer to fill with water. Shut off pump and inspect for any water leaks.

PRE-OPERATION

1. Fill skimmer completely with prepared saltwater and ensure that all fittings are secure and there are no water leaks.
2. Ensure that air inlet silencer tubing is not kinked and positioned above skimmer collection cup level.
3. Check collection cup attachment and ensure collection cup is firmly secured to the top of the skimmer body.
4. Turn blue skimmer level adjustment dial back and forth to loosen seals.

OPERATION

1. Plug powerhead (or main pump) into GFCI power outlet. Inspect for leaks and ensure that both air and water are mixing within the main chamber.
2. Adjust blue skimmer level adjustment dial so that top bubbles level out right below inner collection cup cone. Allow skimmer to run a minimum of 24-72 hours at this level for proper break-in. Please Note: All skimmers go through a "break-in" period where initial foam collection is considered "wet" foam. Wet foam should be discarded or drained. After the initial break-in period, the "wet" foam will decrease and a sludge like foam will be produced.
3. After break-in period, adjust foam level to approximately $\frac{1}{4}$ " - $\frac{1}{2}$ " inside collection cone. Adjust skimmer foam layer to desired level. A lower micro bubble level in the cone will produce a dry, sludge-like foam in small volumes. A higher micro bubble level in the cone will produce a larger volume of wet foam. The dry foam froth is usually the preferred method of skimmer operation. Warning: Always ensure the both water pump is disconnected from the power source when emptying collection cup or cleaning.



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TROUBLESHOOTING

MAINTENANCE

Warning:

Ensure that the water pump is unplugged and water flow to skimmer is turned off before doing any maintenance. Daily Maintenance should include the following:

1. Check skimmer for any water leakage. Adjust water level dial to desired level.
2. Observe skimmer operation and ensure pumps are working properly and foam production is occurring.
3. Check collection cup, empty as required. Weekly clean with warm water.
4. Check air inlet silencer for proper operation, ensure air tubing is not kinked. Weekly - Rinse bubble reducing sponge and clean of any debris or mineral build-up.

TROUBLE-SHOOTING

Note: Skimmer operation and foam production levels are affected by many parameters including: water inlet pump flow rate, plumbing configuration, water chemistry, supplements and medications, adding new organisms, feeding levels, top-off water additions, water changes, and tank maintenance.

PROBLEM

No micro bubbles are being produced inside the skimmer body.

Foam production is weak or no foam is being produced.

Water pump is not working.

Water is over-flowing into the collection cup.

Skimmer water level is fluctuating

CHECK

- a. Check air inlet silencer and ensure that it is not clogged and that airline connection hose is not kinked.
- b. Check paddlewheel venturi injection port for any clogging.
- c. Check to ensure pump is plugged in and operating.

- a. Adjust the water level valve to the appropriate level.
- b. Check and ensure that air is mixing within skimmer body.
- c. If skimmer is new, foam production can take up to 4-5 days.

- a. Check to ensure pump is plugged in.
- b. Drain skimmer and remove water pump. Remove pump inlet by turning counter clock-wise and check impeller for debris.

- a. Turn water outlet adjuster open to allow more water to flow through the skimmer.

- a. Ensure water is flowing through both the inlet and outlet ports correctly. Clean micro bubble reducing trap for clogging.
- b. Recent water changes, feeding or tank additions may cause fluctuation.



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WARRANTY

CURRENT USA, INC. ONE-YEAR LIMITED WARRANTY

Current USA, Inc. warrants this product against defects in materials and workmanship of a period of ONE (1) YEAR from the date of original retail purchase. Light Bulbs carry a 3 month warranty.

Warranty on all Products, including Aquariums, is limited to replacement of the product and does not cover fish loss, personal injury, property loss or direct, incidental or consequential damage arising to the use of this product.

Note: Current-USA, Inc. One-Year Limited Warranty does not cover damage caused by the following: Improper installation, saltwater corrosion, and electrical surges.

If you discover a defect, Current USA, Inc. will, at its option, repair or replace the product at no charge to you, provided you return it during the warranty period. It is required that you present this warranty card and a copy of the bill of sale as proof of original purchase date, in the event the product needs repairs, within the warranty period. Please see your dealer for return options. This warranty applies only to products by or for Current USA, Inc. that can be identified by trade name, or logo affixed to them. Current-USA, Inc. does not warrant any products that are not Current-USA, Inc. products. This warranty does not apply if the product has been damaged by accident, abuse, misuse or misapplication or if the product has been modified without the written permission of Current-USA, Inc.; or if any Current-USA, Inc. logos have been removed or defaced.

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