



Hang-on Protein Skimmer Instruction

I. Setting Up

- a. Remove the skimmer and all the parts from the package.
- b. Secure the pump with the skimmer body.
- c. Insert the Water Level Adjusting Tube (#5) on to Outtake Tube Assembly (#7). Line up the white dot on Water Level Adjusting Tube with the white dot on the Outtake Tube Assembly.
- d. Attach the Sponge (#6) to the bottom of the Output Tube Assembly (#7).
- e. Insert the Collection Cup (#2) into the skimmer body.
- f. Inset the drain outlet tubing (#3) to the white drain outlet on the side of collection cup.
- g. Insert the Air Intake Tubing (#4) to the venturi (#11) and slide the other end through holder on top of chamber
- h. Hang the skimmer on the side or back of your tank and tighten the bracket screw to secure the skimmer.

II. Starting Up

- a. Remove the collection cup from the skimmer body
- b. Fill the skimmer with water to the top of the tubing inside the chamber
- c. Bend the air intake tubing so no air can get in and plug the unit in, then release the air intake tubing once it starts
- d. Adjust water level by turning the adjusting tube (#5) to the left or right.

III. Maintenance

- a. Clean the collection cup at least once a week, depending on the bio load
- b. Take the pump apart and clean it with a vinegar/water every 3 months.

IV. Frequently Asked Questions

a. Why does my skimmer keep overflowing?

- Break-in time: it takes up to 5-10 days for a protein skimmer to break in before it can operate properly.



- Chemical Reaction: certain medications, additives, and epoxy may contain surfactants which can cause excessive bubbling. Also, turn off the skimmer up to 3 hours when feeding corals (if necessary). Running carbon can help with this.
- Water condition: make sure to use RO water.
- Blockage: make sure to inspect the air venturi, silencer and air hose for any debris or salt creep deposits. Also, make sure the air hose is not bent preventing airflow into the pump.
- How to stop the skimmer from overflowing: Raise the skimmer by placing a 1-inch PVC pipe (10 inches long) under the black bracket across two grey arms. Let the skimmer run in this position for 3-5 hours. Once the skimmer settles down, you can remove the PVC to lower the skimmer.

Please Note: All skimmers overflow, use at your own risk.

b. Why does my skimmer stop producing bubbles (it was working great)?

- It happens when you have no organic waste in your tank. After a water change, the skimmer may sit idly until the waste level builds up.
- Make sure the impeller spins freely and shaft bushings are installed in the center.
- Clean the pump and venturi every 2-3 months to prevent calcium build up, Run the pump in 2:1 (2 parts water to 1 part vinegar) water/vinegar overnight.
- Make sure the air intake tubing is not bent.

c. Why does the pump stop working?

- Make sure the impeller spins freely, and shaft bushing are installed correctly.

d. Why are there micron bubbles returning back to the display tank?

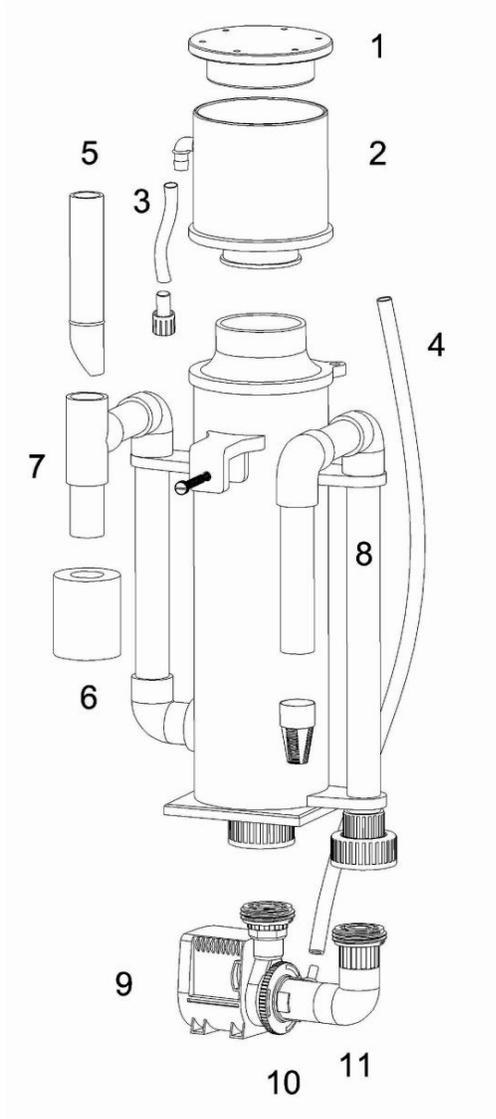
- Make sure the black sponge is at least 1/2" above water level in the tank.

e. Why does water leak from the skimmer?

- Make sure the O-ring is in the right place.

f. Why is only a small amount of water is being pump through my skimmer?

- The siphon hasn't stop yet, it needs to be restarted. *Look at starting the skimmer above



Part #	Description
1	Collection Cup Lid
2	Collection Cup
3	Drain outlet
4	Air Intake Tubing
5	Water Level Adjusting Tube
6	Sponge
7	Output Tube Assembly
8	Intake Tube Assembly
9	Skimmer Pump
10	Needle Wheel Impeller
11	Venturi w/connector



LIMITED WARRANTY:

A. TWO (2) YEAR for Pump

B. ONE (1) YEAR for Skimmer

1. Eshopps, Inc. will guarantee the product to its original purchaser from manufacture defect and workmanship (occur under normal use) from date of purchase.
2. The warranty is not transferable and is confined to the original purchaser only.
3. Used/second-hand equipment does not carry a manufacturer warranty.
4. This warrant does not cover for: Personal injury, Property loss or damage, including livestock or equipments.
5. A **PROOF OF PURCHASE** from an authorized dealer must be provided when making a warranty claim. Any time a copy of receipt can not be provided, the product is considered “out of warranty”.
6. Customer requesting for warranty service must require an RMA number or receipt before sending anything back. We do not offer a skimmer exchange/upgrade, period.
7. For items damaged during shipping, it must be return **back to place of purchase (not manufacture)** for exchange.
8. Customer requesting for exchange parts **MUST** send replacement back (no exception).
9. Customers are responsible to pay any postage, shipping fees to return products/parts back for service.
10. Eshopps will provide warranty for any defects in pump for the first year from original date of purchase from an authorized dealer.
11. Sicce will provide warranty pump for the second year from the original date of purchase. Consumer needs to contact Sicce directly for the second year of warranty to be in effect.

C. WARRANTY VOID IF:

1. The product is modified, damaged, misused, run dry, abused, dropped and tampered with.
2. The product is not purchased from Eshopps Inc. authorized dealers.
3. The product is purchased from second hand used.

D. WARNING:

1. Eshopps will not responsible for consequential damages arising from installation or use of this product. Eshopps warrants the pump to be free from defects in material and workmanship under normal use and conditions for the warranty period from the date of purchase. Liability under this warranty shall be limited to repairing or replacing at Eshopps' discretion. Eshopps will also not be liable for any cost of removal, installation, transportation, or any other charges which may arise in a warranty claim. Eshopps is not liable for any damages around surrounding areas of the product (Use at your own risk).
2. All skimmers will overflow at one time or another, use with caution this is caused from the skimmer while adjusting to the water conditioning.