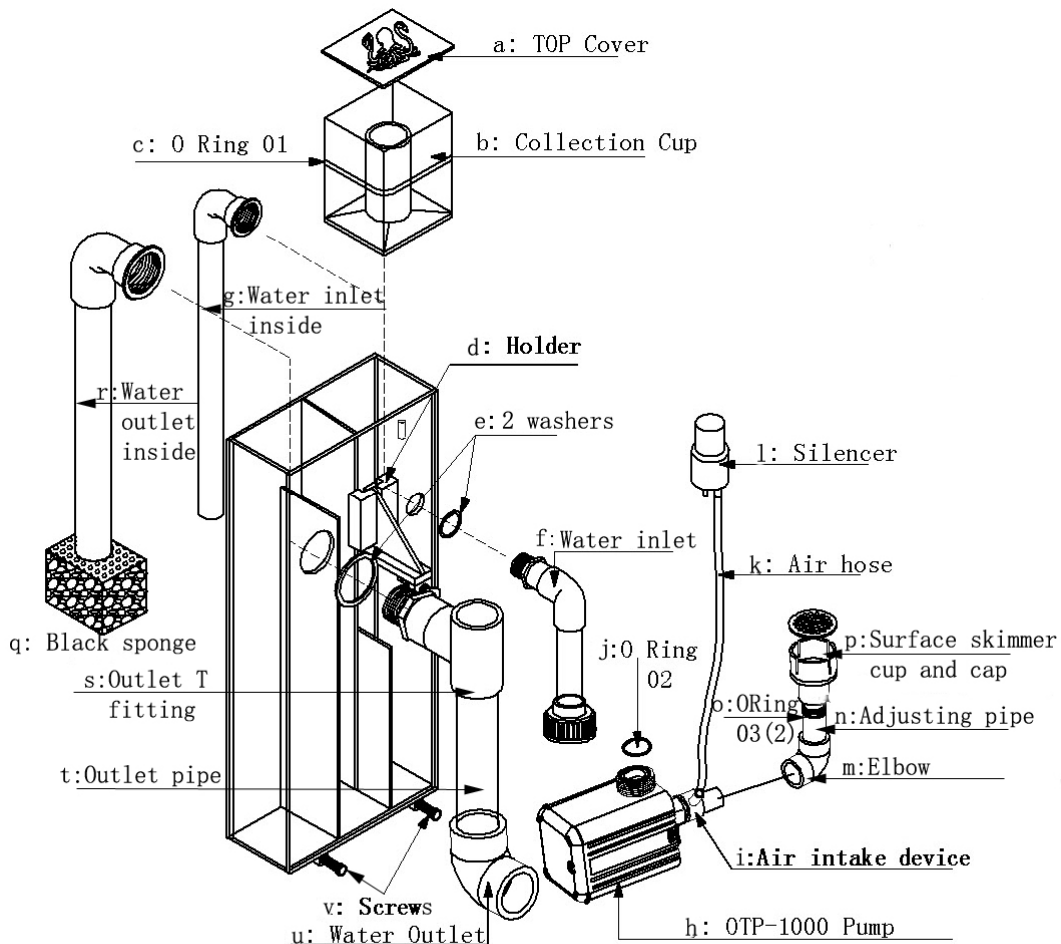




Reef Octopus

REEF OCTOPUS BH-100SS

Protein skimmers are applied to most saltwater aquariums to remove certain organic compounds, including proteins and amino acids, by using the polarity of the protein itself, from the water to stop most of them decomposing into nitrogenous waste. Because of the intrinsic charge, water-borne proteins are attracted to the air-water interface. Protein skimmers work by injecting numerous tiny bubbles into the water chamber, which present an enormous air-water interface for the protein molecules to cling to. The more tiny bubbles reside in the chamber, the more proteins it absorbs. Protein skimming is the only way of physical filtration that gets rid of the organic compounds before its decomposition, lightening the load on the biological filter and improving the water's redox potential.



PARTS CHECK LIST:

- | | | |
|------------------------------|----------------------------|---------------------------|
| a. Top cover | i. Oring 02 (black pump) | q. Black sponge |
| b. Collection cup | j. Air intake device | r. Water outlet inside |
| c. Oring 01 (collection cup) | k. Air hose | s. Water outlet T fitting |
| d. Holder | l. Silencer | t. Water outlet pipe |
| e. 2 white washers | m. Elbow | u. Water outlet elbow |
| f. Water inlet | n. Adjusting pipe | v. Screws |
| g. Water inlet inside | o. Oring 03 (2 white) | w. Blue sponge (optional) |
| h. OTP-1000GT pump | p. Surface skimmer cup/cap | |

Installation

1. Remove the skimmer and all the parts from the package. Check to insure all parts are accounted for. There are 4 orings included and already installed: 01 is a white collection cup oring, 02 is a black pump outlet oring, and 03 is 2 white adjusting pipe orings. There are 2 washers included and installed on both the inlet and outlet.
2. Remove side cover on pump. Attach air intake device (j) to the pump. Affix small soft air hose (l) onto air intake or venturi and slide the other end through holder on top of chamber. Install the silencer to top of hose. Attach pump to water inlet (f) according to the illustration. Make sure black pump outlet oring (i) is seated inside grey threaded union on pump. Slide the surface skimmer elbow (m) into the venture. Slide the adjusting pipe (n) onto the elbow (m). Make sure both the oring 03 (o) is in place before sliding on the surface skimmer cup and cap (p). The surface skimmer cup is adjustable. Make sure the cup is about ½ inch below the surface of the water.
3. Inset the collection cup with top cover onto the skimmer chamber. Make sure the white collection cup O-ring (c) is in place to hold the cup. Set the collection cup about halfway and tighten the small black screw. Make sure the collection cup covers the overflow hole. If not covered you will have excessive bubbles return back into the tank.
4. Slide the holder (d) down like the illustration. Make sure the skimmer is level by turning the screws (v) at the bottom. Fill the skimmer with water once it is on the tank. The water level should be to the top of the elbows inside the chamber. Plug the pump in upon setup completion.
5. Please allow 3-4 weeks for break in. The blue sponge (w) is optional for the water outlet. It can be cut to fit onto the water outlet elbow in case there is an excessive amount of micro bubbles during break in. These bubbles will subside and eventually go away.

Maintenance

Collection Cup: It should be cleaned at least once a week, depending on the organic load. Cleaning will enhance the extraction substantially.

Reaction Chamber: Take apart skimmer and clean every 6 months recommended.

Pump: Take apart pump and clean every 4 months recommended. Use a vinegar/water solution for cleaning off excess build up. The parts included with the pump are the venturi, volute cover, pinwheel impeller, and shaft with 2 rubber grommets.

Safety Tips

1. Do not allow the skimmer pump to run dry as it will melt the pump.
2. Do not touch the plug with wet hands.
3. Do not clean the skimmer with any chemicals that include alcohol or ammonia.
4. Skimmer is for saltwater use only. It cannot be used for freshwater.

Warranty

Reef Octopus skimmers have a 1 year warranty on craftsmanship and OTP water pumps. We will take responsibility for the products as long as it's been installed and used properly. Consumable spare parts are not applicable to the warranty.

If your Reef Octopus product does not appear to be working correctly or be defective, please contact your local dealer.

Or you can contact us at 985-781-9078 or support@coralvue.com