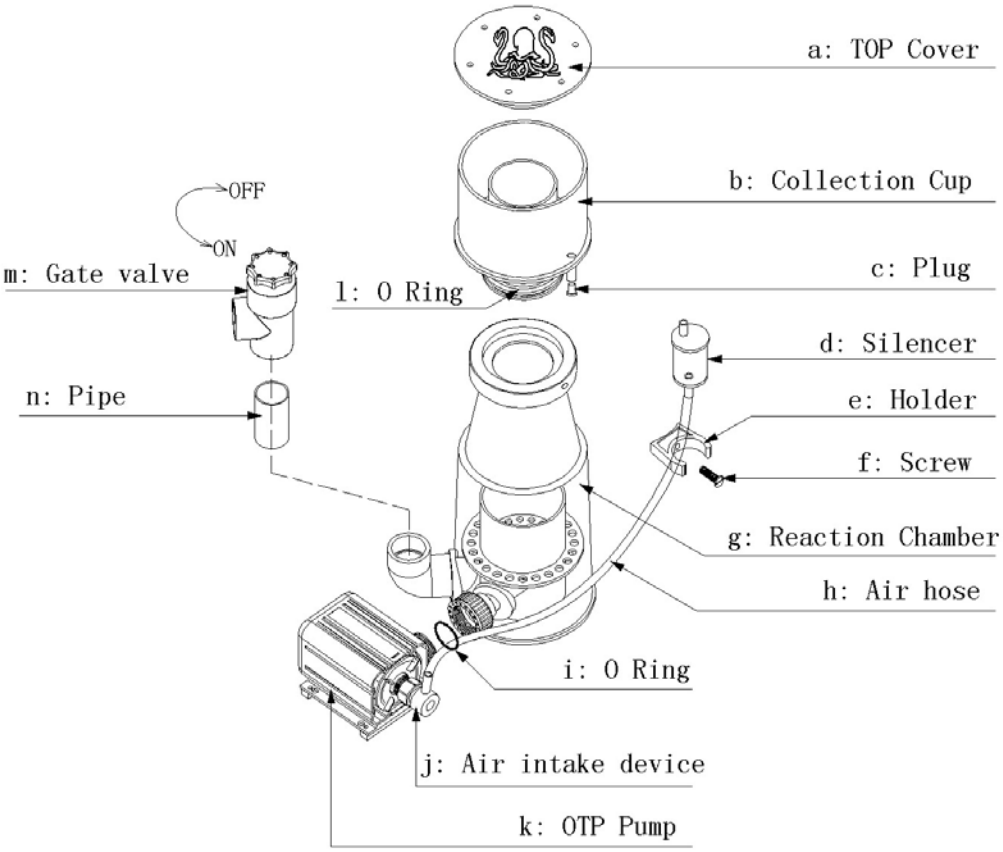
Reef Octopus

REEF OCTOPUS NWB-110

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 infecting 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
b. Collection cup
c. Plug
d. Silencer
e. Holder
f. Screw
g. Reaction Chamber
h. Air hose
i. Black pump oring
j. Air intake device
k. OTP1000 pump
l. Collection cup oring
m. Gate valve
n. Pipe

Installation

1. Remove the skimmer and all the parts from the package. Check to insure all parts are accounted for. There are 2 orings included and already installed: 1 is a white collection cup oring and 2 is a black pump outlet oring.
2. Remove side cover on pump. Attach air intake device (j) to the pump. Affix small soft air hose (h) onto air intake or venturi. Attach pump to skimmer body according to the illustration. Make sure black pump outlet oring is seated inside grey threaded union on pump.
3. Setup water outlet pipe system according to illustration. Start with inserting small pipe (n) into elbow attached to chamber. Attach gate valve (m) onto pipe (n). Attach silencer holder (e) to body by the screw (f) provided. Pull off either black cap of silencer (d). Slide silencer (d) into holder (e). Snap black cap back onto silencer (d) once it is in holder (e). Attach air hose (h) to silencer (d). Glue can be used to attach pipes but it is not necessary.
4. Inset the collection cup with top cover onto the skimmer chamber. Make sure the white collection cup O-ring is in place. The additional hard hose can be attached to drain or the drain plug (c) can be inserted.
5. Put the skimmer in sump and plug it in. Water level in sump should be 6”-10” as long as it is not covering the water outlet pipe. Turn the gate valve to adjust the water level inside the skimmer. The water level inside the skimmer should be an inch above where the neck transition starts for the initial setup.
6. Please allow 3-4 weeks for break in. Then adjust the gate valve to your water level preference for skimming.

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 as acrylic crazing can occur.

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