

Thank you for purchasing “**SUPER REEF OCTUPUS**” protein skimmer. For optimum performance and safety, please read this instruction manual carefully and keep it handy for future reference.

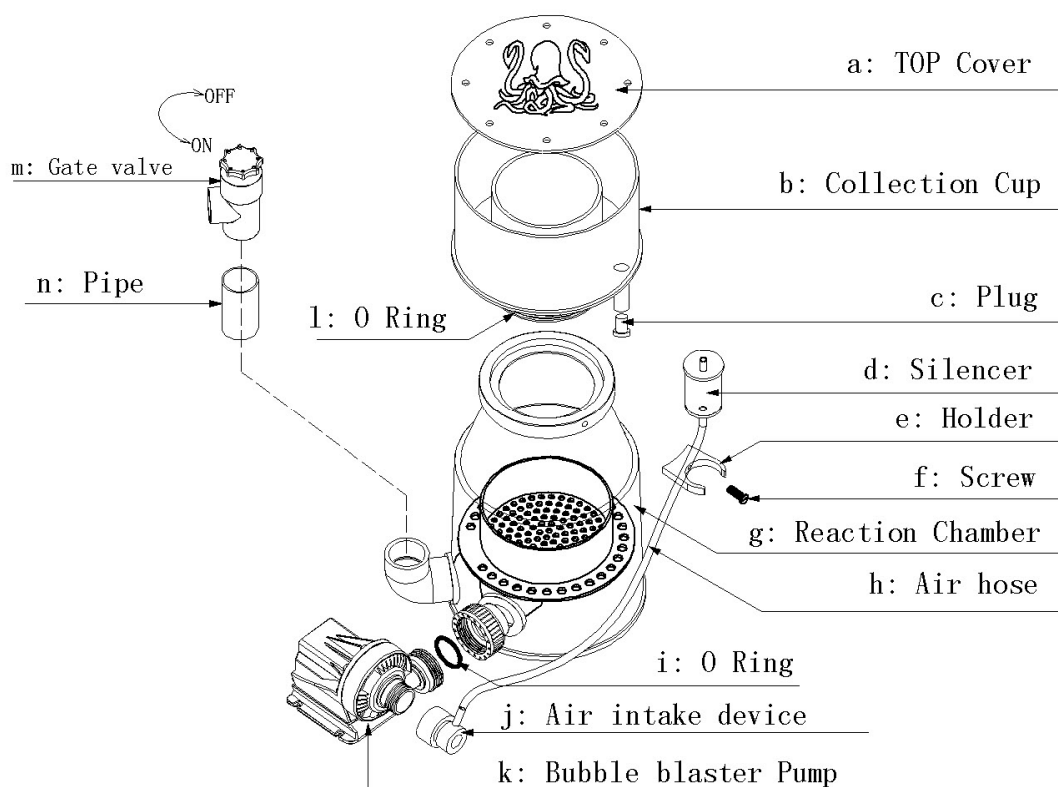
RO-PS-1000Int/ RO-PS-2000Int/ RO-PS-3000Int/ RO-PS-5000Int

## In-sump skimmer

### **Function of protein skimmer:**

Protein skimmer are applied to most saltwater aquarium 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 works 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 get 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      | e. Holder           | i. O right           |
| b. Collection cup | f. Screw            | j. Air intake device |
| c. Plug           | g. Reaction Chamber | k. BB Pump           |
| d. Silencer       | h. Air hose         | l. O Ring            |
| m. Gate valve     | n. Pipe             |                      |

## **Installation**

1. Remove the skimmer body and all the assembly parts from the package by the check list.
2. Screw the union with the air intake device to the pump and fix the pump to the chamber according to the illustration.
3. Setting up the water outlet pipe system, make sure the pipes in place by the illustration.
4. Connect the air hose from the air intake to the silencer.
5. Inset the collection cup with top cover onto the skimmer tower. Make sure the O-ring is in place.
6. Put the skimmer in sump, power on. Turning the gate valve to adjust the water level for skimming.
7. **Suggested sump water level**  
**At 5"/13cm for RO-PS-1000Int**  
**At 8.2"/21cm for RO-PS-2000Int**  
**At 9" /23cm for RO-PS-3000Int**  
**At 9.5"/24cm for RO-PS-5000Int**

## **Maintenance**

Collection Cup: It should be taken away to clean up at least once a week, depend on the organic load. Cleaning will enhance the extraction substantially.

Reaction Chamber: Internal clean up every 6 months for once.

## **Safety Tips**

1. Do not allow the skimmer pump to run dry.
2. Do not touch the plug with wet hands
3. Do not clean the skimmer with any chemicals that alcohol or ammonia, or it will make the animals in the tank in danger.

## **Warranty:**

**For your ReefOctopus skimmer we grant the legal warranty period (presently 24 months from date of invoice).**

This warranty includes all damages of material and manufacturing defects and is only applicable if the ReefOctopus has been handled correctly. Spare parts excluded. In case of questions please contact your local supplier or [www.grotech.de](http://www.grotech.de).

Please send the defective ReefOctopus device as well as the invoice to your supplier or directly to

**GroTech Aquarientechnik GmbH**  
**Bittenfelder Weg 8**  
**DE--71563 Affalterbach**  
**Germany**

In order to avoid unnecessary costs please send the device **free** of charge.

## **Warranty exclusion:**

Excluded are all claims for compensation exceeding damages of material and manufacturing defects, as well as damages caused by uncorrect usage and opening of the housing, repairs or exchanging of parts by not authorised persons.

We hereby reserve the rights to modify and adjust the specification, measurements or designs of our products without a prior of notification. Thank you!