



REEF OCTOPUS®

User's Guide



REEF OCTOPUS BIOPELLET REACTOR

Thank you for purchasing a "REEF OCTOPUS" Bio-Pellet Reactor. For optimum performance and safety, please read this instruction manual carefully and keep it handy for future reference.

Description

Solid carbon dosing (biopellets) has recently become an extremely popular method of removing nitrates and phosphates from the aquarium. Most Biopellets are made primarily of a biodegradable polymer that "feed" and promote aerobic and anaerobic bacteria making it a viable carbon source to consume nutrients (NO₃ and PO₄) within the reactor. Just like the traditional methods of dosing Vodka, vinegar or sugar as a carbon source directly to the water column to promote the reproduction of bacteria cultures in our aquarium system to consume nutrients with the common downside of unsightly signs bacteria throughout the system.

By utilizing a dedicated reactor filled with solid biopellets changes everything! Rather than staging the entire aquarium into an ecosystem of bacteria, a reactor allows you to provide those microscopic creatures with a "food dish" tucked neatly away in the stand. Now the bacteria congregate in the confined space of a reactor and continue the same life cycle as before without leaving their mess behind to look at.

You will need the following items to get started

- **Feed Pump:** We suggest a pump that has a higher rating than the recommended feed rating for your reactor and place a valve on the output of the pump to control the feed flow. Reason being is that there are various pellet medias require certain flows to remain in a fluidized state as well as the amount of pellets used will vary the flow through the reactor. We also suggest pumps that handle head pressure especially if your feed or output lines are going long distances. Another option for a feed source is to bleed off of your return pump via manifold.
- **PVC Solvent** to glue the desired intake and output fittings (**the output & intake fittings must be glued to the supplied union**)
- **Several lengths** of 1/2" or 5/8" ID hose or hard plumb w/ 1/2" PVC for BR170 & BR110
5/8"ID or 3/4" ID hose or hard plumb w/ 1/2" PVC for BR140 & BR200 (input and output)
- **Bio-Pellet media-** Use the amount as directed by manufacturer
- Recommend an appropriate sizes **protein skimmer with a processing rate close to the feed rate of the reactor.**

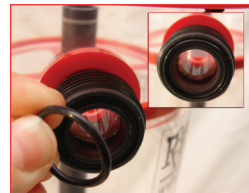
How to set up and use your reactor



1.) Seat the 1st o-ring in position



2.) Glue desired intake fitting on 90° barb fitting

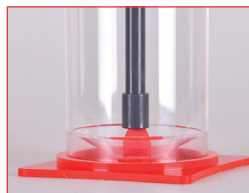


3.) Seat the 2nd o-ring in position

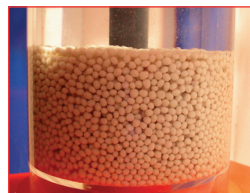


4.) Glue desired output fitting using PVC glue

**For all o-ring seals we recommend applying a silicone O-ring lubricant (not petroleum jelly)*



5.) Insert the center tube & position upon the tab in the center of the inverted cone
(Skip step 5 for BR200)



6.) Fill the reactor with the appropriate amount of BioPellet media



7.) Insert the containment screen



8.) Position the lid and lock it into the closed position. Carefully tighten each screw in small increment all the way around till snug. **Do not over tighten.**

9.) Place the pump in the tank and set up the reactor in your desired location. Hook up your incoming and output hoses. Apply the water flow to the reactor and adjust it so that all of the media is tumbling slowly or so that you can see that water is moving around the media. You may adjust the flow to your systems needs. For best results direct the effluent of the reactor near your protein skimmers intake pump. Normally Bio-Pellets require up to 8 weeks for the bacteria to colonize. During this time resist any temptation to change anything settings to your reactor. You may experience a small bacterial bloom when initiated but will subside within a few days. Depending on the system you may have to routinely remove and clean the containment screen. In most cases if the media has colonized the screen can be removed completely and will only be require to use it when new media is added. Top off every 3 months or so, back to their original quantity, to maintain maximum effectiveness. For extreme cloudy water conditions take action by agitating the water surface.

If your Reef Octopus product does not appear to be working correctly or believe to be defective, please contact your local dealer. You can also contact us directly at 985-781-9078 or visit our website at www.coralvue.com. Thank you for choosing Reef Octopus!

! We recommend the use of our Bio-Sphere media for best results

What are the known benefits of using Biopellets?

- ✓ NO₃ & PO₄ removal
- ✓ No need to maintain a specific dosage or increase over time
- ✓ No cyano or bacterial side effects
- ✓ No risk of Overdosing
- ✓ Simple to use...Set it & forget it.
- ✓ Increases protein skimmer output
- ✓ Bacteria is consumed by tank inhabitants like corals & sponges

Helpful tips

- Remove GFO during the initial phases of the seeding of the reactor
- Allow 8 weeks before making adjustments
- Additions of bacteria supplements can help diversify the bacteria
- Remove UV sterilizers & Ozone Units
- Make sure your skimmer is running at full efficiency and the effluent of the reactor is directed towards the skimmer feed pump
- Keep the reactor in a dark area away from light

WARRANTY

-Reef Octopus acrylic products come with a ONE (1) YEAR Limited Warranty from the date of the retail purchase by the original end-user.

-If a material or workmanship defect arises and a valid claim is received within the Warranty Period, Reef Octopus will replace the case only.

-Reef Octopus cannot be held liable for damages to personal property due to misuse or improper care and maintenance of case and o-ring seals.

-Reef Octopus warranty does not, under any circumstance, cover the replacement or cost of any electronic device or personal property.



38190 Commercial Ct. | Slidell, LA 70458
Ph: 985.781.9078 | Fx: 985.781.9081
Visit: www.CoralVue.com

**We hereby reserve the rights to modify and adjust the specification or designs of our products without a prior notification.*