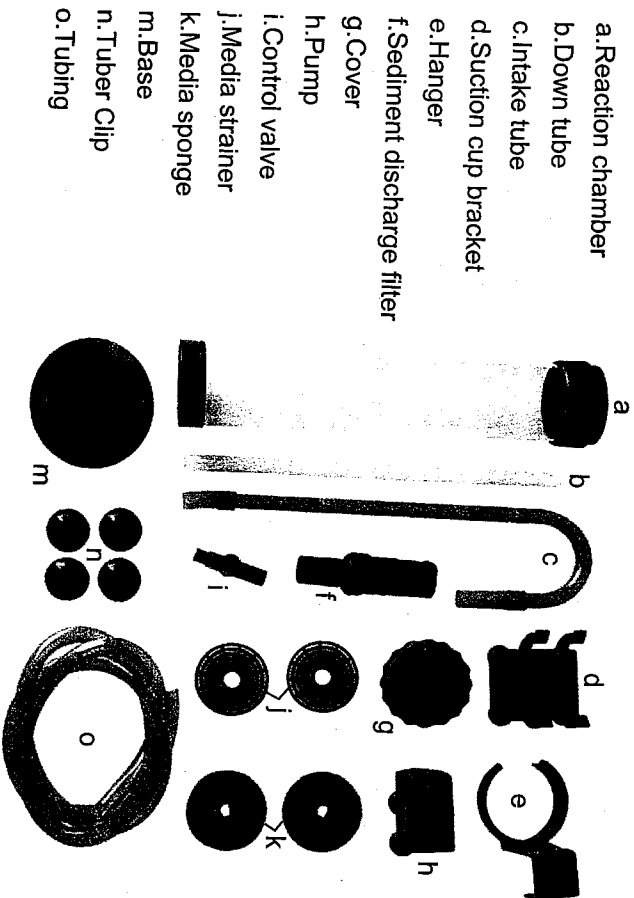


Replacement Parts	UPC 0069037
Water pump	2929 1
O-ring for the lid	2930 7
Water control valve	2931 4
Media sponges - 2 pk	2932 1
Media sponges - 2 pk	2933 8



LIMITED 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 inside or outside of the case.

FEATURES

- Complete configuration, ready to be used
- Matched a enough large pump, adapt most usage
- Multiple media could be chosen for filling
- With the design of countercurrent exchange, medias could be totally used
- Two fixation mode , easy to be placement
- Double grid plates and sponge, ensure have no leakage of media and pipe plug
- Convenient, connection fasten , no water leakage

Reef Octopus MF-300B is designed to use with the new media "Bio Spheres" to achieve the purpose of eliminating PO_4 , NO_3 and purify wate in aquariums. Based on its excellent design, it is not been restricted to use a specified filter material. When filling with other medias, it could be used as a Sulfur Nitrogen Removal, as a Phosphate remover or just as an simple activated carbon filter.

The filter is made whole of high polymer material, could be used both in freshwater and salt water.

It have two fixation modes, either stand or hang on the tank, it could be easily taken placement.

WARNING AND SAFEGUARDS

1. Read this manual and follow the instructions, it will help you install the product and use it correctly

2. Take care of the electrical safety, a GFCI (Ground Fault Circuit Interrupter) is requaired for a aquarium to protect your safety.

3. A drip loop is needed if the plug is low than the top of your tank. a drip loop is like fig. 1 shows.

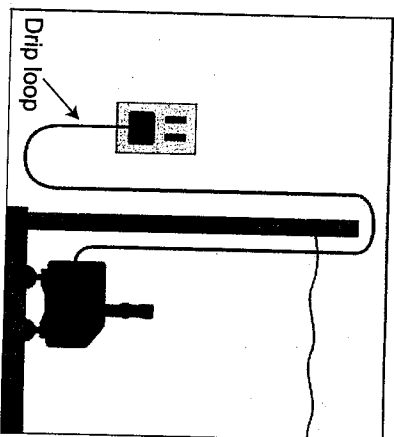
4. Don't pull or insert the plug with wet hands.

5. The pump matched with product should not work without water.

6. Keep water clean that no material could stuck the pump's impeller.

7. Power off, when taking any maintenance.

8. Acceptable medias: granular, or massive, non-corrosive and will not violently releasing heat when meet with water; no less than 2mm in diam.

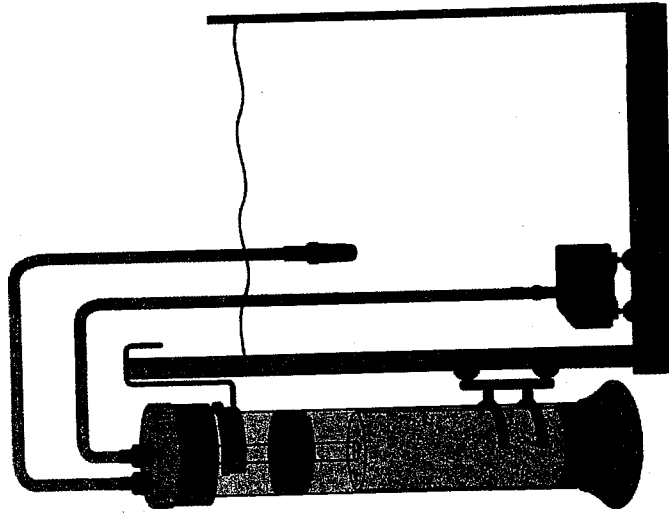


INSTALLATION

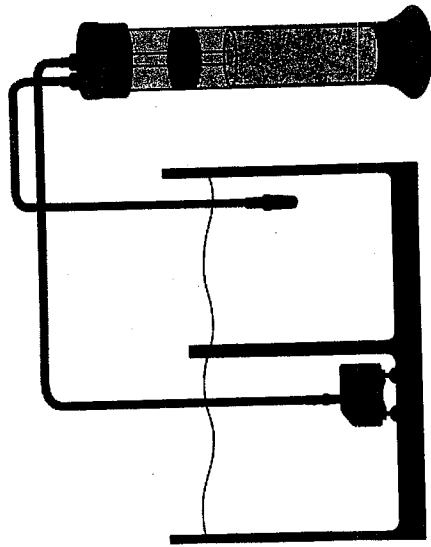
1. Inventory all the accessories and put them on a flat place.
2. Cut four little pipes to connect the hard tube and the inlet, outlet.
3. Connect a small piece of pipe from the bottom of the intake tube to the water pump
4. Connect the output tube to the output barbed fitting of the MF-300B. Secure the tube to the lock nut.
5. Connect the sediment discharge filter to the end of the output tubing.
6. Remove the lid by twisting counter clockwise.
7. Add desired media to the reaction chamber: phosphate resin, activated carbon, and other resin filtering medias. Follow manufacture guidelines for media requirements for a given aquarium size, flow rates and precautions.
8. Place media sponges and media strainers below and above desired media.
9. Place the lid back by twisting clockwise.
10. Plug the water pump into a GFCI (Ground Fault Circuit Interrupter) outlet

SETUP DIAGRAM

A) HANG ON TANK



B) SUMP



MAINTENANCE

1. Routine maintenance could keep the filter work properly. Please check the water flow from the outlet of the filter, make sure that always have water through the filter.
2. For every 3~4 weeks, please take a maintenance of the system, this will keep the filter system work efficiency.
3. For a totally maintenance of the filter system, please follow the way below:
Unplug the power plug, remove the filter medias in the reaction compartment completely (if there have some difficulties in removing the medias, please placement the product horizontally, it will be much easier)
 - a). Take maintenance of the pump. Put the pump out of tank, disassemble it and check the impeller and the cover, clean them.
 - b). Take maintenance of the sieve plate. When using the filter for a long time, some debris of the medias and impurities in water may clogging the pores on the sieve plate, this situation will reduce the flow rate of water and efficiency of the filter. Clean the plate will get more water through and use of the medias fully.
 - c). Check the pipes that connect the input and output tube, fix them to make sure there have no leakage of any water.
4. Adjust the medias volume.
The filter should be used with a proper volume of medias. The pump we matched with this product can adapted to the application of a variety of filter media, but you still have to take care of their usage, make sure there will have a enough water flow rate. For the Bio Spheres, we suggest to added about 300~350ml.