

FR-S / FR-M

Internal GFO Carbon and Biopellet Filter Media Reactor



1 Please open the package carefully, and check if there's any damaged or missing part.



FR-S

- (1) Main media reactor body and lid
- (2) Pump: Sicce Syncra Nano
- (3) Sponges *4



FR-M

- (1) Main media reactor body and lid
- (2) Pump: Sicce Micra
- (3) Sponges *4

You can change the order of the sponges depends on media size. Original setting (top-bottom): coarse - fine - fine - coarse

2 While we take great care to keep any contaminants away from our products during assembly, please take a moment to clean with warm water ONLY. Never clean Acrylic with alcohol-based products. Use caution when handling acrylic scratches easily.

3 Some media (such as phosphate control products) is not designed to be aggressively fluidized in a reactor – please read the instructions for your media carefully.

4 Wash your media before you use it. It is recommended that biopellets are soaked for 24 hours in aquarium water before use. Start with 25% of the total amount of biopellets then add 25% more weekly.

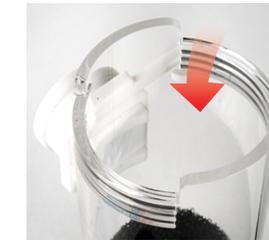
5 Biopellets may initially clump during break-in. Turn off the pump and allow the clumps to settle at the bottom of the reactor. Gently shake the reactor to break up clumps. Once the pellets go through this initial break-in process, they generally require no further action.

6 For media designed to be fully fluidized, the reactor should be filled **no more than 2/3 full** to allow the media room to move around. With heavy or fine media, you may need to add less.

7 To fill in the media:
 (1) Turn counterclockwise to release the lid



(2) Pick up the upper sponges to fill in the media.



Sponges are not necessary for Biopellet, if you are going to use Biopellet, you can pick up all the sponges.

(3) Put back the sponges.
 (could be skipped for Biopellet)



(4) Turn clockwise to tighten the lid.
 Do not over-tighten.



8 Select a suitable place to set your media reactor:

- (1) The pump must be completely submerged underwater when in use.
- (2) Attachment with a magnet holder for a glass thickness up to 10mm (3/8")



Put the wire here



Make sure the O-ring is in position.

Please discard the cardboard between the magnets before use.


TO AVOID DANGER, KEEP THE POWERFUL MAGNETIC MOUNT AWAY FROM BABIES AND CHILDREN.

9 To Start

- (1) Set the input control dial on the pump to its lowest setting.
- (2) Plug in the pump. Adjust the flow rate with the input control dial.



FR-S



FR-M

10 For best performance, please clean the reactor and sponges regularly.

11 Regular maintenance of the pump will ensure long life and maximum performance: recommended every 3 months. Disassemble the pump by following steps to clean:

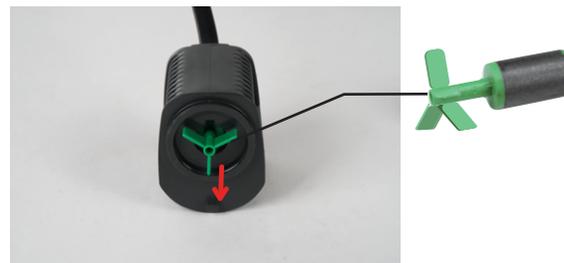
FR-S



1. Pull out the pump from the bottom.



2. Separate the cover from the pump.



3. Pull out the rotor.

FR-M



1. Pull out the pump from the bottom.



2. Pull out cover of the pump.



3. Pull out the rotor and sponge.

Warranty

JNS warrants all JNS products to be free from manufacturing defects for one year from the original purchase date when purchased through an authorized JNS retailer. This warranty does not cover any damages caused by misuse, neglect, alterations, or improper handling / transport / maintenance / installation. Physical damages are not covered by the warranty. JNS does not cover personal injury, personal loss, or other damages associated with the use of our products. In order to request warranty service, please email us at info@jnsaquaria.com. A purchase receipt is required for any warranty service. Products requiring warranty service must be returned to JNS. You are responsible for the cost of shipping a warranty claim to JNS and any damages that may occur during transit. Once a returned product has been inspected, it will be repaired or exchanged at our discretion and returned to you. International and/or expedited shipping are not covered under your JNS warranty.



How to remove the limescale?

NO OTHER CHEMICALS, soak in a mixture of 1 part water and 1 part vinegar (citric acid also available) for at least 24 hours. Once you finish, please rinse with warm water.