

Before Use

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



Recommendations

- While we take great care to keep any contaminants away from our products during assembly, please take a moment to clean the skimmer and plumbing before attaching to your tank. Only clean your skimmer with warm water. Never clean Acrylic with alcohol based products. Use caution when handling as acrylic scratches easily.
- It may require 2 – 4 weeks for the skimmer to reach maximum performance due to tiny amounts of oil or remnants left from manufacturing. Skimmer performance may be erratic during this time and be sure to allow ample time for the skimmer to break-in before making adjustments.
- Regular maintenance of the pump will ensure a long life and maximum performance: recommended every 3 months.
- For best performance, please clean the collection cup frequently. Use a sponge and warm water to clean it. (DO NOT USE ANY SOAP OR CHEMICALS TO CLEAN THE COLLECTION CUP).

Assembly

- Loosen the screw under the main body to separate the base.
- Loosen the screws on the diffuser to pick up the diffuser.
- Install the base onto the pump, fix the base by tightening the threaded fastener.
- Install the diffuser, and do not over-tighten the screws.
- Connect the air hose to the venturi.
- Install the skimmer body, and make sure to install it in position (the black arrow is on the same side with the power cord) and the skimmer body could be turned after installation.
- Install the main body into the body case.
- Install the water inlet and the water outlet.
- Place the lid of body case, and connect the air hose to the silencer.

- ⑩ Connect the drain tube to the drain port under the collection cup, and install the collection cup.



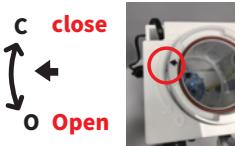
To Start

- ① Fill the skimmer with aquarium water until it flows out from the outlet.
- ② Remove the air hose from the silencer, pick up the silencer and immerse in skimmer water to prime the pump.



- ③ Plug-in, and wait until the pump primes, and no air in the inlet tubes. This may take a few minutes (verify the air hose is immersed in water and the inlet/outlet pipes are tightly connected). Once it's done, water would be flushed out from the outlet.
- ④ Once the pump is primed and operating normally, pull the air hose out of water and replace it on to the silencer.

- ⑤ Adjust the water level by turning the main body.



water outlet	open	close
skimmate color		
water level	low	high

Turning to O(open), causing the water level within the chamber to drop.
Generally, lower water level will lead to drier skimmate that is dark in color.

Turning to C(close), causing the water level within the chamber to rise.
Generally, higher water level will lead to wetter skimmate that is light in color.

As a starting point, it is recommended to adjust the water level within the skimmer body to where the collection cup meets the neck.



Select a Suitable Place to Set

1. The aquarium's water level must not be more than 10 cm from the aquarium's rim.
2. The water intake must be completely submerged underwater when in use.
3. Hang the protein skimmer on the aquarium. Adjust the positioning screws so the skimmer is parallel to your aquarium.

Caution! Over-tightening the screws will damage the skimmer!

Maintenance

Pump

Regular maintenance of the pump will ensure a long life and maximum performance. You can clean the pump and its components by soaking in a general citric acid solution (citric acid:water=1:1) once every 3 months.

- ① Turning the nut ring to separate the venturi



- ② Pull out the pre-chamber



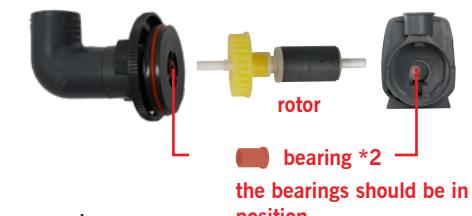
- ③ Pull out the rotor



Venturi

The venturi should be cleaned monthly and flushed weekly, due to the air to water interface calcium carbonate (limescale) builds up to form a very hard white substance.

Remove the limescale by soaking in a general citric acid solution (citric acid:water=1:1)



Collection cup

The collection cup should be cleaned frequently with a sponge and warm water.
(DO NOT USE ANY SOAP OR CHEMICALS)

For daily maintenance, pull out the plug of the drain tube to let out the skimmate.



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 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 services. 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.