Maintenance

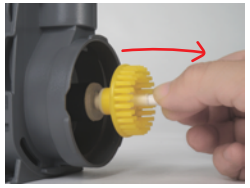
Pump

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.

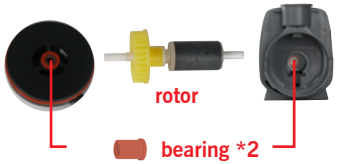
Q-1 / Q-2 / Q-3

Turning to separate the nut ring.

Pull out the pre-chamber



Pull out the rotor



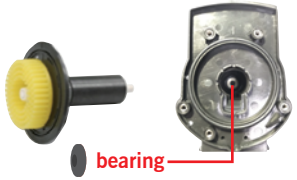
the bearings should be in position

Q-5

Loosen the screws marked on the image

Pick up the pre-chamber

Pull out the rotor



the bearing should be in position

Q-6

Loosen the screws marked on the image to pick up the pre-chamber

Pull out the rotor

the bearing should be in position

Collection cup

The collection cup should be cleaned frequently with a sponge and warm water.

(DO NOT USE ANY SOAP OR CHEMICALS)

Venturi

Check if there's any clogging and clean it up.

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

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.

ConeS Q Series
In-Sump Protein Skimmer

Q-1 / Q-2 / Q-3 / Q-5 / Q-6

www.jnsaquaria.com
info@jnsaquaria.com

	Q-1	Q-2	Q-3	Q-5	Q-6
Footprint (mm)	240 x 150	240 x 170	290 x 220	340 x 270	420 x 330
Height (mm)	497	560	560	570	580
Pump	SHARK 1.5 (16W)	SHARK 2.0 (22W)	SHARK 3.0 (27W)	SHARK 6.0 (45W)	SHARK 7.0 (48W)
Filtration Rating (L)					
Light Bioload	560 L	1000 L	1680 L	2200 L	3000 L
Heavy Bioload	320 L	520 L	960 L	1200 L	1800 L
Recommended Water Level (mm)	180 - 200 mm	180 - 200 mm	200 - 220 mm	200 - 220 mm	200 - 220 mm

***** The pump must be completely submerged underwater when in use**

Before installation and operation

Please open the package carefully and check for damaged or lost parts.

Recommendations

1. While we take great care to keep any contaminates away from our products during assembly, **please take a moment to clean the skimmer and plumbing before attaching to your tank. Only clean your product with warm water.** Never clean Acrylic with alcohol based products. Use caution when handling as acrylic scratches easily.
2. 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.
3. Regular maintenance of the pump will ensure a long life and maximum performance: recommended every 3 months.
4. 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

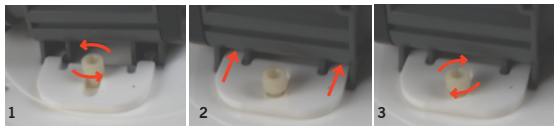
1. Turn the 5 thumbscrews underneath the skimmer base counter-clockwise to detach the skimmer body.

2. Remove the venturi by pulling gently with a twisting motion.

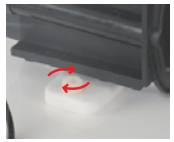
   With **the venturi side facing away from the skimmer's outlet pipe.**

3. Position the pump into the base plate notches and secures by twisting the two base plate thumbscrews in a clockwise motion.

Q-1 / Q-2 / Q-3

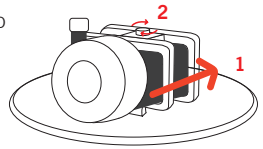


Q-5

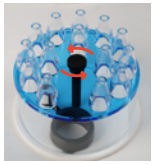


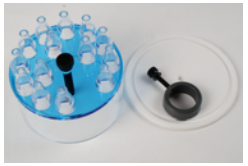
Q-6

Position the pump into the base brackets and secures by twisting the thumbscrews on the top in a clockwise motion.



4. Remove the top of the bubble plate assembly by twisting its central thumbscrew in a counter-clockwise motion.





5. **Q-1**

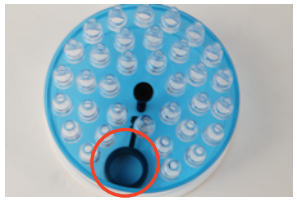
   Center and press-fit the bubble plate base into the pump outlet, finger-tightening the outlet cap clockwise to secure.

Q-2 / Q-3 / Q-5 / Q-6

Center and press-fit the bubble plate base into the pump outlet, finger-tightening the outlet thumbscrew clockwise to secure.

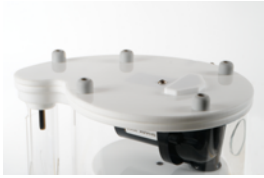
DO NOT OVERTIGHTEN, AS DAMAGE TO THE SKIMMER AND ITS PARTS MAY OCCUR.

6. Replace the bubble plate lid and position it so that the area without bubble diffusers sits directly above the pump outlet. Once in the correct position, finger-tighten the bubble plate's central thumbscrew clockwise to secure it into place.



7. Ensure the pump power cord is seated within the guide channel prior to placing the skimmer body back onto its base.

   Secure the skimmer body to its base by finnger tightening the thumbscrews in an alternating pattern.

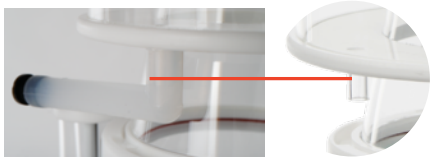


8. Re-attach the pump venturi, connect the other end of the yellow airline tubing to one of the air inlets located on the pump venturi.

The second venturi inlet is designed for ozone, which is optional. If you choose not to use the ozone inlet, be sure to keep it covered with the included rubber cap.

9. Ensure the o-ring is securely in place on the skimmer body. Install the collection cup and lid.

10. Connect the silicone drain tube to the outlet pipe on the bottom of the collection cup.



Operation

1. The pump must be completely submerged underwater when in use. Running the pump dry or in too low of a water level will damage the pump.
2. For proper performance of the quick-precise adjustment valve, the water in your sump must not be any higher than the following levels:

Q-1	Q-2	Q-3	Q-5	Q-6
180 - 200 mm	180 - 200 mm	200 - 220 mm	200 - 220 mm	200 - 220 mm

Skimmer Adjustment

Turning the quick-precise adjustment knob will change the water level within the skimmer body chamber.

water outlet	open	close
skimmate color		
water level	low	high

Turning the knob counterclockwise will open the outlet pipe, causing the water level within the chamber to drop. Generally, opening the valve will lead to drier skimmate that is dark in color.

Turning the knob clockwise will close the outlet pipe, causing the water level within the chamber to rise. Generally,closing the valve 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.