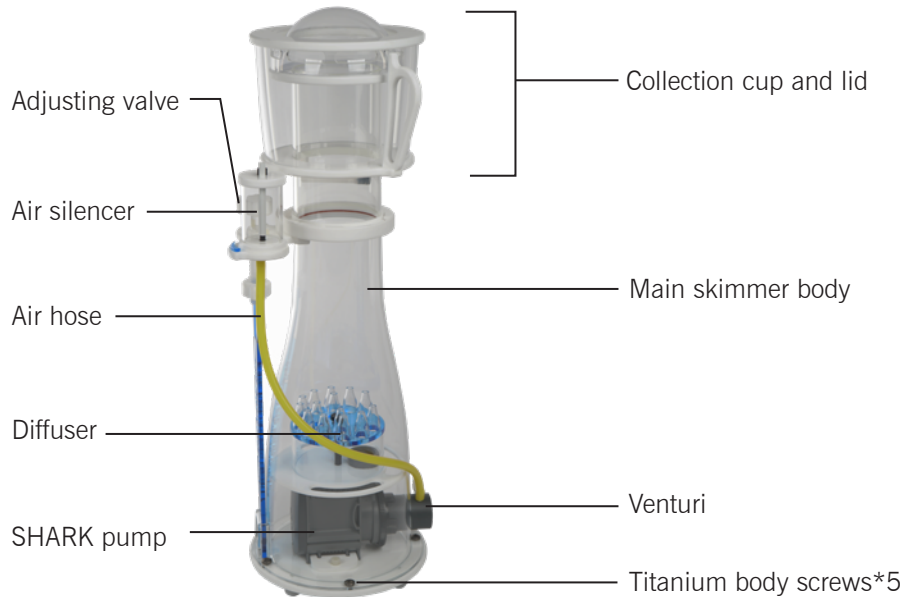


Before Assembly

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

PARTS INCLUDED:



Select a suitable place to set your protein skimmer

1. For best results place the skimmer in 7" to 8" of water. Please make sure that the skimmer is in no more than 8" of water. Otherwise, the adjusting valve will not function properly.
2. The pump must be completely submerged underwater when in use

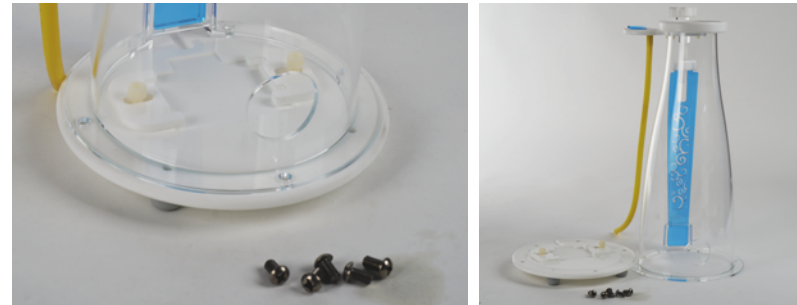
Recommendations

1. 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).
2. Regular maintenance of the pump will ensure a long life and maximum performance: recommended every 3 months.
3. 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.

Assembly

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

1. Unscrew the body screws from the base plate, and pick up the skimmer body.



2. Attach the pump to the base plate



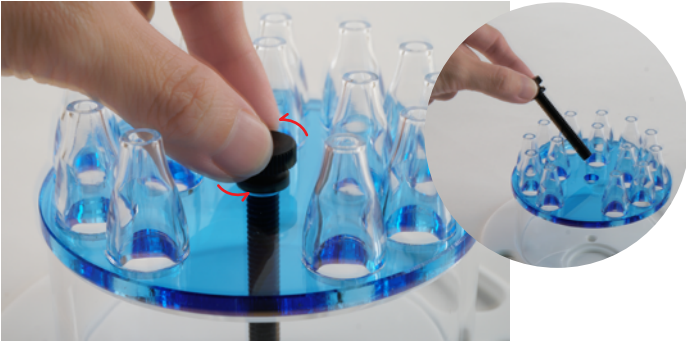
3. Take off the venturi.

Only for FC-120: Loosen the fitting on the pump for next step to attach the diffuser

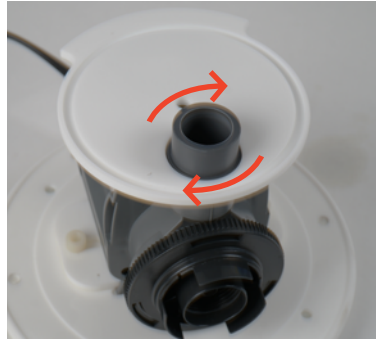


FC-80 / 180 / 280
would be like this
(no fitting)

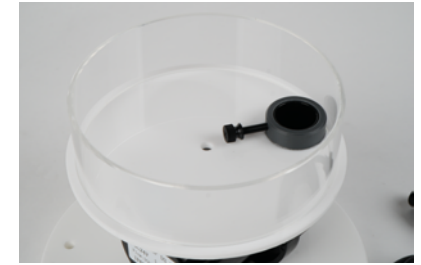
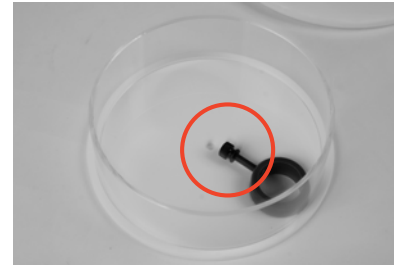
4. Unscrew the center screw to take off the diffuser plate



5. **FC-120:** Attach the diffuser base to the pump and tighten the fitting.



FC-80 / FC-180 / FC-280: Loosen the screw beside the cap and put the plate on the pump then screw back, make sure the plate is in the center of the base plate.

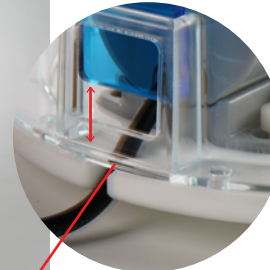


6. Attach the diffuser plate with the center screw.
Make sure to put the plate in the center of the base or the skimmer body cannot be installed.



the diffuser plate should only be installed in this position

7. Reinstall the skimmer body



the valve should leave some space for wire

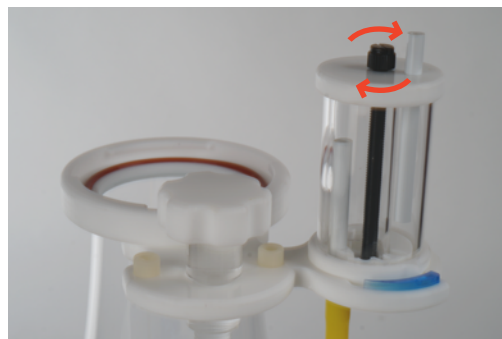
8. Install the body screws on the base plate, and install the venturi.



9. Connect the air hose from the air silencer to the venturi.



10. Install the silencer on to the skimmer by tightening the center screw




11. Install the collection cup and lid
(DO NOT OVER TIGHTEN SKIMMER CUP AS DAMAGE MAY RESULT)



To Start

1. Plug in the pump.
2. The main chamber will fill with bubbles. Carefully adjust the adjusting valve (clockwise to close, the water level in the chamber will go up; counter-clockwise to open, the water level will go down). Adjust the water level within the skimmer to where the cup meets the neck.
3. Once the bubbles reached the bottom of collection cup, you can start to adjust the water level according to your preference.
If you prefer wet wastewater, you need the high water level; Conversely, if you want dry wastewater, just let your water level goes down.

water level high low
water color 



Regular maintenance of the pump

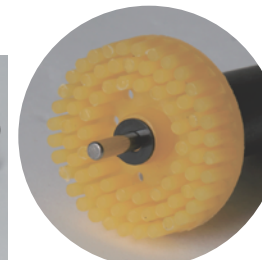
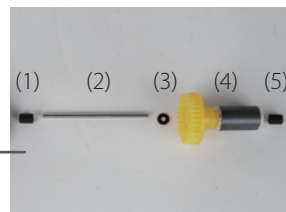
You can disassemble the pump by following steps, and clean it gently every 3 months for ensure a long life and maximum performance.



FC-80:



make sure to have:



You can disassemble the rotor to wash it, just make sure don't lose any part, especially the **washer(3)**.

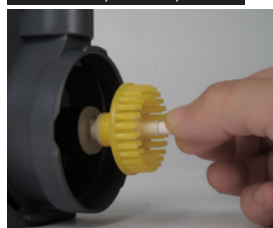


Sometimes the bearing inside would fell out, make sure it's in position every time you clean the pump.



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.

FC-120 / 180 / 280



The rotor is inseparable, just clean the impeller carefully.



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.

Warranty

AquaMaxx warrants all AquaMaxx products to be free from manufacturing defects for one year from the original purchase date when purchased through an authorized AquaMaxx 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. AquaMaxx 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@aquamaxxaquariums.com. A purchase receipt is required for any warranty service. Products requiring warranty service must be returned to AquaMaxx. You are responsible for the cost of shipping a warranty claim to AquaMaxx 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 AquaMaxx warranty.