



POWERCONE I-SERIES

PROTEIN SKIMMER



Getting Started

Congratulations on your new ATI PowerCone I-Series Protein Skimmer! This protein skimmer features unsurpassed control and exceptional performance that will keep your aquarium looking its best. We know you have choices in your aquarium equipment and we thank you for choosing ATI.

What's included

ATI PowerCone I-Series protein skimmer, I-series pump with speed control and grid-wheel impeller assembly, digital air flow meter, water outlet assembly, and air silencer

Optimal water level

The skimmer must be used in a water level between 6-8 inches. The ideal water level is 7 inches. This skimmer is designed for in-sump use only.

Installing the skimmer

Rinse all parts thoroughly with warm water. Attach the pump to the skimmer body by sliding the soft clear plastic fitting over the inlet fittings on the skimmer body. Connect the air silencer to the pump, and clip the silencer to the bracket on the skimmer body. Insert the water outlet assembly into the hole in the base of the skimmer body. Place the collection cup onto the body and give it a quarter turn.

Digital air flow meter calibration and install

With the skimmer running, disconnect one end of the airline tube from the air filter (the part between the air silencer and air meter), insert the AC-DC power supply into an outlet. The meter should read "CAL" for a few seconds, and then display a number between 750-800. After a few more seconds, the meter should display 0. Re-connect the airline tube to the air filter. The meter has now been calibrated and should display the current air flow.

Recommended air flow

The control knob on the control box allows you to adjust the air input to the skimmer.

PowerCone I-Series 200: 1500-2000 lph; 1500 lph is recommended for the first 2 weeks of operation.

PowerCone I-Series 250: 2000-3000 lph; 2000 lph is recommended for the first 2 weeks of operation.

Tip: Skimmer performance should also be controlled using the gate valve to adjust the water level inside the skimmer.



Maintenance

A small loss in skimmer performance is normal after a couple of weeks. For a bigger loss in skimmer performance and/or a noticeable accumulation of salt, calcium or other build-up, we recommend soaking the impeller assembly, pump housing and venturi assembly in a water/vinegar solution (10 parts water to 1 part white vinegar) for at least 24 hours. Adjustments to the water flow from the pump and/or water level inside the skimmer body may be required after this process.

Weekly

Clean the collection cup and neck of the skimmer with water and a soft cloth or sponge. Please be very gentle, as abrasive cleaning will remove the clear coating inside the skimmer. If this happens, you will need to break-in the skimmer again.

If the foam in the neck no longer looks white, clean it. The collection cup and neck of the skimmer needs to be cleaned regularly, as the build-up that collects will reduce the effectiveness of the skimmer.

Monthly

Inspect and clean your protein skimmer each month, following the steps below:

1. Open pump housing and inspect the impeller assembly for any signs of wear or damage. Make sure the impeller can spin freely on the impeller shaft. If it cannot, soak the impeller and impeller shaft in a water/vinegar solution (10 parts water to 1 part white vinegar) for at least 24 hours until the impeller can spin freely on the shaft. Rinse the impeller assembly and pump assembly in warm water. A soft toothbrush may be used to remove any build-up or deposits. The flapper **MUST** point up after re-assembling.
2. Clean venturi assembly attached to the front of the pump with warm water and a soft toothbrush.
3. Clean airline tubes and air silencer of any salt deposits or other debris.
4. Clean entire gate valve assembly of any salt deposits or other debris.
5. Re-calibrate digital air flow meter.