



## User's Manual

## Urchin Pro Sump Skimmer

Thank you for purchasing an AquaC protein skimmer! Please read the following User's Manual carefully to become acquainted with some of the important features of your new skimmer. This high-performance filtration device must be installed and operated properly in order to achieve the best possible results.

**WARNING !!!** AquaC protein skimmers utilize a new form of air injection designed to produce enormous quantities of waste-laden foam. Failure to follow these instructions may result in water leakage, skimmer overflow, or even electric shock. Care must be taken when installing and using your new filtration device.

### Introduction to your AquaC High Performance Protein Skimmer

Your new skimmer will require several days of use before it begins to work properly. Trace quantities of oils and residues from the manufacturing process will prevent immediate skimming. In order to hasten this initial "break-in" period, please wash the unit thoroughly with warm water (the use of soap or other chemicals is not recommended).

AquaC skimmers inject water through a specially engineered port designed to create a powerful air-induction spray. As this spray bombards the water within the skimmer's main chamber, thousands of tiny bubbles are formed and allowed to react with unwanted proteins and waste. After the bubbles become coated with organic wastes, they rise up the foam tower and spill into the collection cup. Unlike traditional venturi or air-stone driven skimmers, your AquaC High Performance Skimmer processes aquarium waste with maximum efficiency.

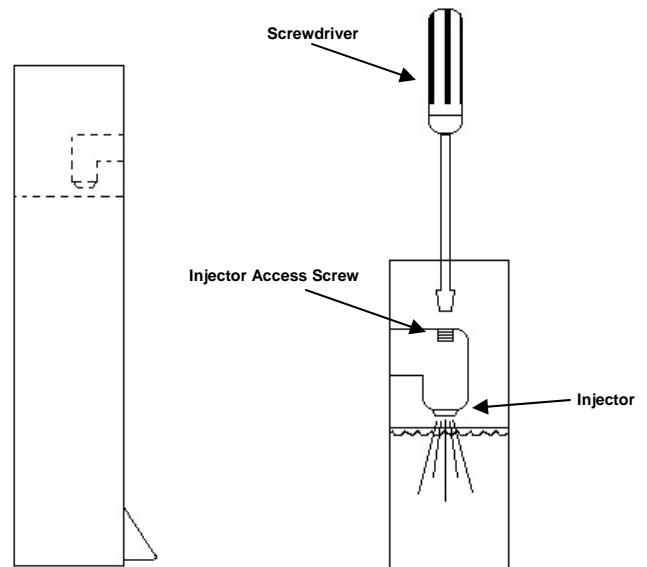
### Skimmer Installation

The Urchin Pro must be placed inside of a sump. Do not attempt to operate the Urchin Pro outside of a sump!! The Rio 1400 water pump is designed to connect directly to the Urchin's flexible hose by using the valve discharge adapter provided with the pump. Once you've made sure that the water pump is completely submerged and the skimmer is level, you can plug in the pump cord to begin operation.

Congratulations! Your new AquaC High Performance Protein Skimmer is completely installed and is already beginning to improve your water quality! You can adjust the quality of foam by raising or lowering the collection cup. Be aware that the skimmer will produce very little foam at first, but once it "kicks in" it will produce a large amount of froth. The collection cup can be set at the desired height by moving the black o-ring up or down on the cup. At its lowest setting, the skimmer may collect an extremely wet, light-colored froth at first. In order to collect a dry foam, raise the collection cup a small amount each day until you find the desired level. Applying a very small amount of petroleum jelly to the black o-ring will prevent it from cracking over time. Do not apply lubricant to the cup itself. Be aware that it is normal for the unit to stop skimming after feedings or other tank disturbances. Oils on your hands or in the fish food will prevent any foaming action for a period of several minutes to an hour, at which point the skimming should resume with great efficiency.

### Maintenance

AquaC protein skimmers require very little maintenance. In order to achieve the maximum amount of efficiency from your skimmer, it is recommended that you clean the foam tower and collection cup at least twice a week. This is easily accomplished by wiping the foam tower with a wet rag and rinsing the cup thoroughly under warm water. The collection cup can be quickly removed for hassle-free cleaning. Never use any cleaners, chemicals, or soap to wash any part of the unit. The thick brown scum which rapidly accumulates along the sides of the foam tower greatly impedes the performance of the skimmer. Therefore, it is recommended that you clean the foam tower often. If possible, protein skimmer cleaning should be a daily priority.



## Injector Maintenance

The spray injector that powers your skimmer is designed to be maintenance free. In the unlikely event that a piece of algae or sand becomes lodged in the assembly you can access the injector by removing the small, white Injector Access Screw (see diagram above). **Be sure and unplug the water pump before performing injector maintenance!** Use a standard head screwdriver and remove the small screw by turning it counterclockwise – try not to let the screw fall into the skimmer once it is loose. Once removed, use the special injector brush to vigorously scrub the inside of the injector and spray aperture.

**IMPORTANT!!** When replacing the Injector Access Screw to its original position, **DO NOT** thread the screw so far that it will fall into the injector. Only thread it deep enough so that it seals the hole. It is normal for a small amount of water to drip out of the sealed hole during operation, and this shouldn't be cause for concern.

## AquaC Limited Warranty

This AquaC protein skimmer is guaranteed to the original purchaser to be free from defects in materials and workmanship for a period of ninety (90) days from the date of purchase.

This warranty is limited to the original purchaser and is not transferable. The warranty shall only cover defects arising from workmanship or normal usage. AquaC shall accept no responsibility whatsoever for malfunctions, failures, or defects arising from misuse, alteration, modification, or improper installation or maintenance of this product.

At the time of request for warranty service, the purchaser must present proof of purchase documentation which includes date of purchase. Upon confirmation that the malfunction is a result of a defect covered by this warranty, AquaC shall, within ninety (90) days after receipt of the product, at its option, repair or replace the defective product.

Depending on your state of residence, some of the above terms may not be applicable.

**Technical Questions?** Email [info@proteinskimmer.com](mailto:info@proteinskimmer.com)

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