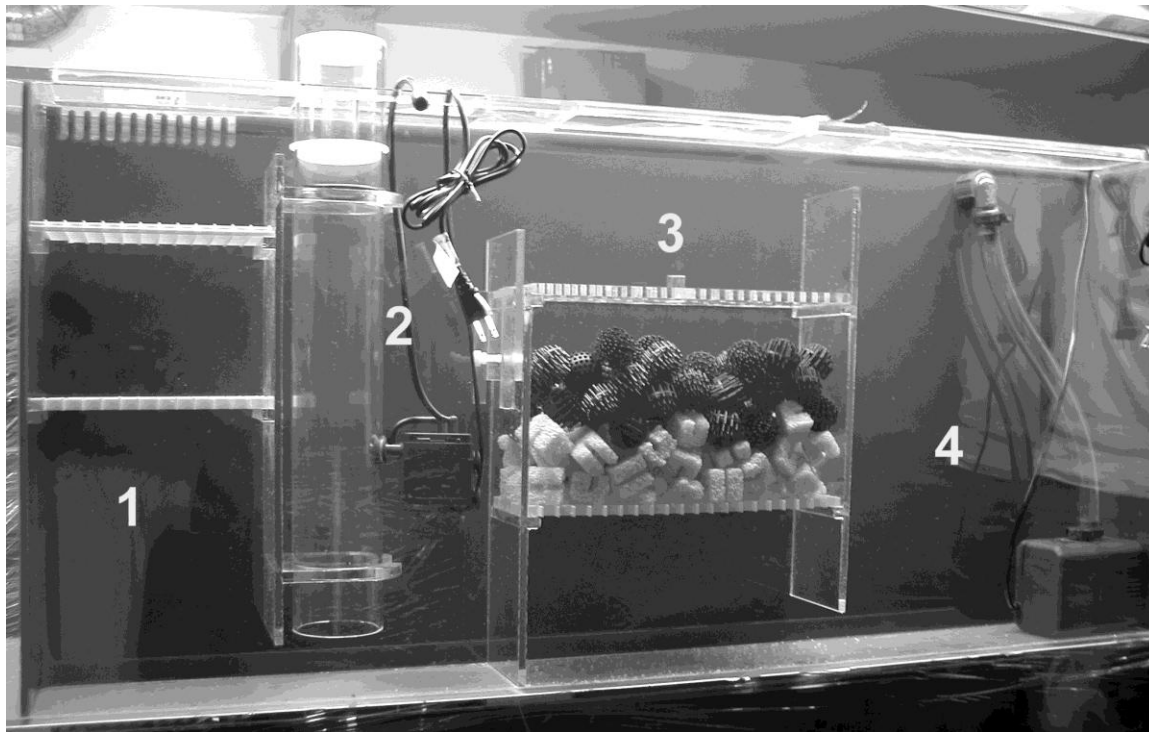


Old Town Aquarium

Integrated Filtration System Setup

Assembly

1. Unpack all components.
2. Place two white grates on supports in chamber #1.
3. Chamber #2 contains the protein skimmer. To assemble skimmer:
 - Place nozzle of Rio 600 pump into rubber grommet in side of skimmer tube.
 - Slide O-ring around skimmer tube approximately 1 inch below top of tube (it doesn't matter which end is top or bottom).
 - Slide skimmer tube with pump attached down into chamber #2 through brackets.
 - Place collection cup on top of skimmer tube.
4. Place white grate on bottom supports in chamber #3. Place biological media on top of grate then put drip-tray on top supports.
5. The return pump is placed in chamber #4. Place one end of clear tubing over nozzle of pump. (For aquariums that use Rio 800 pumps, you must first insert nozzle from the included accessories bag into pump.) The other end of the tubing fits over the gray fitting at the top of chamber #4. You may need to cut the tubing to length.



Operation

Filling Aquarium:

Fill aquarium until water level is above overflow teeth and water begins to fill chamber #1. Continue to fill slowly until water level in chamber #4 is approximately halfway up from the bottom.

At this point you can plug in the protein skimmer pump and return pump to an outlet protected with a Ground Fault Circuit Interrupter (we can stock GFCI power strips safe for aquarium use). The water level in chamber #4 will drop and the water level in the tank will rise until they reach equilibrium. The water level in chamber #4 when the pump is running should be kept between the top of the pump and the middle of chamber #4. As water evaporates from the aquarium, the water level in chamber #4 will drop. You will need to check the water level every few days and top-off as needed.

Adjusting Protein Skimmer:

The goal in adjusting the skimmer is to maximize the amount of dark “mucky” fluid that gets collected in the collection cup. If the skimmer is set too low, nothing will be collected. If the skimmer is set too high, clear water will be collected. There are two ways to adjust the skimmer:

1. The whole skimmer assembly can be raised and lowered by moving the o-ring that supports the skimmer. It is important to leave a gap between the bottom of the skimmer tube and the aquarium bottom to allow water to escape.
2. The preferred method to adjust the skimmer is to raise or lower the water level in chamber #2. To do this you simply loosen the white screw on the gate that separates chamber #2 from chamber #3 and slide it up or down as needed. The higher the gate(water level), the more the skimmer collects. The lower the gate(water level), the less the skimmer collects.

Maintenance

- The protein skimmer collection cup should be emptied and cleaned every couple days, or as needed.
- Once a week the muffler attached to the protein skimmer airline should be rinsed in warm water to remove any salt or dust.
- Every three months the protein skimmer pump and return pump should be removed and cleaned.
- Periodically check the drip tray to ensure the holes aren't clogged.

**Thank you for your purchase. If you have any questions please call us –
Old Town Aquarium (312) 642-8763**