



FLUVAL SEA

EVO

13.5 US Gal - 52 L

Quick Start-Up Guide



IMPORTANT SAFETY INSTRUCTIONS

WARNING - To guard against injury, basic safety precautions should be observed, including the following:

1. READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

- 2. DANGER** – To avoid possible electrical shock, special care should be taken since water is employed in the use of aquarium equipment.
- Never attempt to repair this appliance yourself. Return the appliance to an authorized service facility for service or discard the appliance. Do not operate the appliance if it has a damaged cord or plug. If cord is damaged, the appliance should be destroyed.
 - If the appliance falls into the water, **DO NOT** reach for it. First unplug the appliance and then retrieve it from the water. If electrical components of the appliance get wet, unplug it immediately and allow the appliance to thoroughly dry. Carefully examine the appliance after installation. It should not be plugged in if water is present on parts not intended to be wet.
 - To avoid the possibility of the appliance plug getting wet, position the tank to the side of a wall mounted receptacle to prevent water from dripping onto the receptacle. A “drip loop”, should be arranged by the user for each cord connecting an aquarium device to the receptacle. The “drip loop” is the part of the cord below the level of the receptacle or the connector if an extension cord is in use, to prevent the water from travelling along the cord and coming into contact with the receptacle. If plug or receptacle gets wet, **DO NOT** un-plug the cord. Disconnect the fuse or circuit breaker that supplies power to the receptacle then unplug the transformer and examine for the presence of water in the receptacle.
- 4. WARNING** - This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- Always unplug the appliance from the outlet when not in use, before putting on or taking off parts and before cleaning. Never yank the cord to pull the plug from the outlet.
- Do not use this appliance for any purpose other than that recommended by the manufacturer. The use of attachments not recommended or sold by the appliance manufacturer may cause an unsafe condition.
- Do not install or store the appliance where it will be exposed to weather or temperatures below freezing.
- Make sure the appliance is mounted correctly and securely positioned on the aquarium before operating the appliance.
- Read and observe all important safety notices on the appliance.
- If an extension cord is necessary, a cord with the proper current (amps) rating should be used. A cord rated for fewer amps than the appliance rating may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.
- This appliance is intended **FOR INDOOR HOUSEHOLD USE ONLY.**
- This appliance is for use with salt water only. Not for Freshwater use.
- (For North America only)** This appliance has a polarized plug (one blade is wider than the other). As a safety feature, this plug will fit in a polarized outlet only one way. If the plug does not fit fully into the outlet, reverse the plug. If the plug will still not fit fully into the outlet, contact a qualified electrician to inspect the outlet and make the needed alterations. Never use with an extension cord unless the plug can be fully inserted. Do not attempt to defeat this safety feature.



SAVE THESE INSTRUCTIONS

CONGRATULATIONS

on the purchase of your EVO aquarium. In this guide, you'll find basic installation and maintenance tips to ensure you create and enjoy a thriving saltwater environment at home.



SOME IMPORTANT DO'S AND DON'TS



Before setting up, inspect your tank for any signs of damage that may have occurred during transport.



Rinse Aquarium



Do place the aquarium near an electrical source.



Place the EVO on a stable flat surface, which can hold a minimum of 120 lbs (54 kg).



Avoid drafts by placing away from direct heating or cooling vents.



Avoid direct sunlight, which can heat the aquarium, stress the animals and cause algae growth.

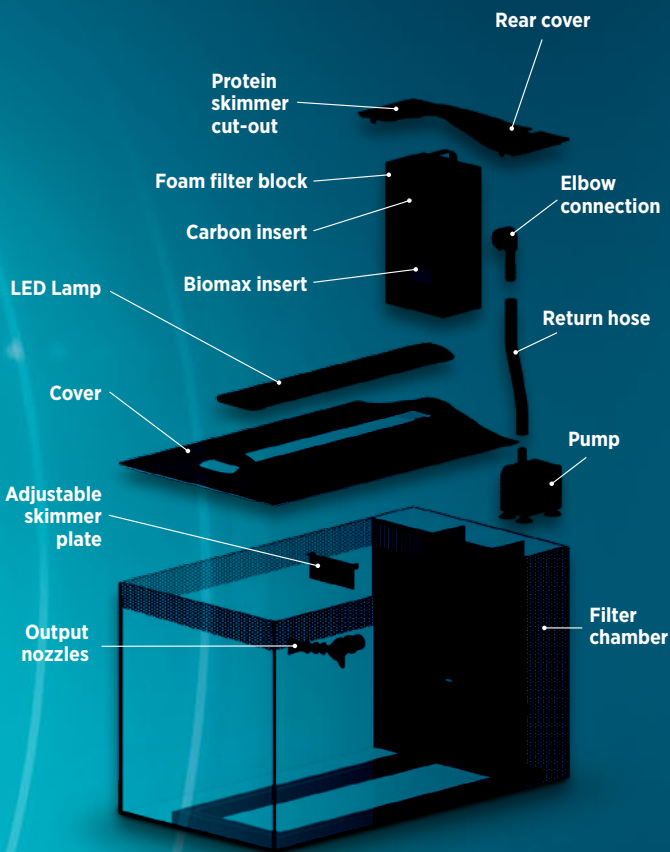


Never use household cleaning products on the aquarium glass or surrounding areas.



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Please review the following diagram to ensure you have all of the necessary components included with your EVO aquarium:

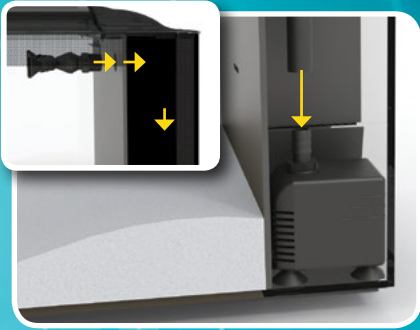


REPLACEMENT PARTS/MEDIA

ART.	DESCRIPTION
A14659	Molded Cover
A14677	Circulation Pump
A14678	Impeller for Circulation Pump
A14679	Output Nozzle
A14700	LED Lamp & Transformer
A14702	LED Power Cord
10532	Foam Filter Block
A1377	Carbon Insert
A1378	BIOMAX

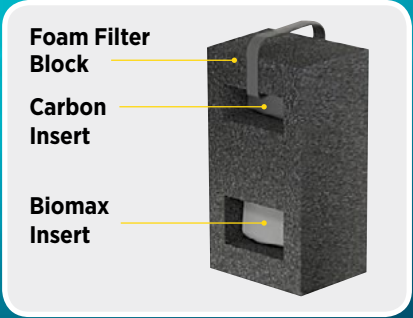
INSTALLATION

Step 1. Connect pump to outlet



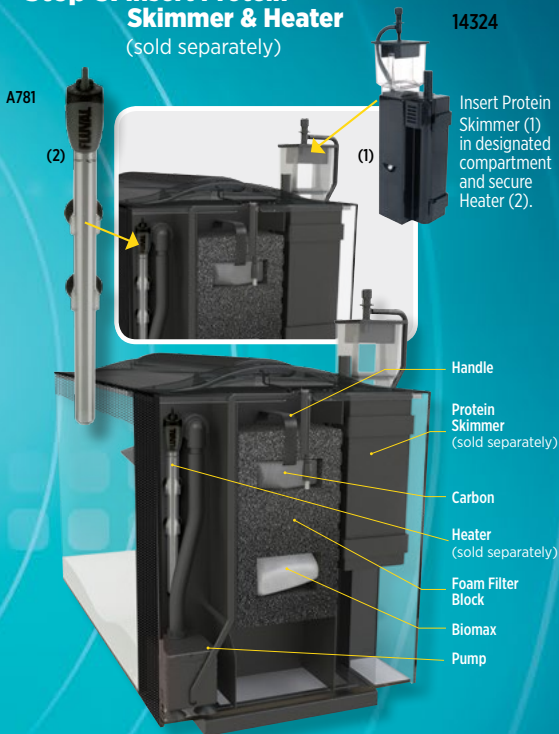
Affix pump to tubing and lower into corner of rear chamber. Next, feed the output nozzle through the hole in the filter wall and screw into elbow.

Step 2. Insert Filter Media



Thoroughly rinse Carbon and Biomax media. Next, insert Carbon in top Foam Bio-Foam compartment, and Biomax in bottom compartment. Using the handle, lower entire foam filter block unit into rear filter compartment (as shown above).

Step 3. Insert Protein Skimmer & Heater (sold separately)



Step 4. Add Salt Water

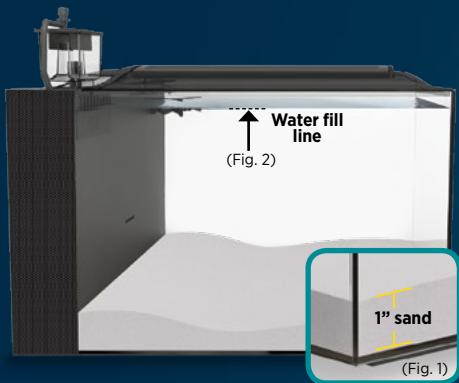


In a separate and clean container (i.e. 5 gallon bucket), add a professional grade saltwater mix to either filtered drinking water or Reverse Osmosis water.

Make sure to follow the instructions on the package until the salt is fully dissolved by mixing solution with a small power head or air pump with air stone (all sold separately). We recommend using Fluval SEA Salt as it quickly dissolves and provides a safe and stable pH level immediately after mixing.



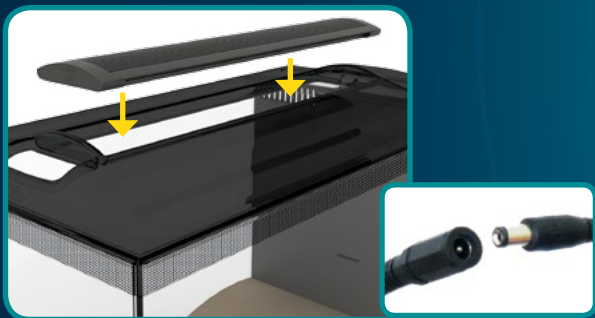
Step 5. Add Sand and Rock



Add 3 inches of saltwater to the aquarium, and then add 1 inch of live sand to prevent air bubbles from becoming trapped in this substrate. (Fig. 1)

When creating a rock structure inside your tank, ensure you use cured, live rock and leave enough room for water to flow freely around it. You'll also want to incorporate some flat areas where possible, as this is where you will affix corals at a later time. Next slowly add the remaining saltwater mix until the tank is filled just past the overflow area (which leads water into the rear filter area) to begin recirculation. (Fig. 2) Ensure the rear filter compartment is filled with water as well.

Step 6. Connect the light



Light unit rests into top channel of aquarium cover. Once light is in place, connect to transformer and plug cord into electrical outlet.



Convenient touch switch controls the integrated LED light fixture which offers white and blue, blue only and off modes.

ADDING LIVESTOCK



Once you've added sand and rock, your tank will need to be "cycled" (free of Ammonia and Nitrite) before you add fish and corals. To learn more about this process, please visit: www.FluvalAquatics.com/cycling.

Coral

1. Locate a suitable area within your rock structure where your corals will not be knocked over by water movement, snails, crabs, etc.
2. Be sure not to crowd your corals since they will grow. Always give them sufficient access to aquarium light and their required amount of water flow.
3. Bond your corals using a marine water-safe adhesive such as the Fluval Sea Epoxy Stick.
4. Many corals actually require feeding, and there are a variety of dry and frozen commercial diets available. Your fish and coral retailer will be able to advise more specifically on this.



Fish

1. Float fish (while still inside bag) in your aquarium for 20-30 minutes, allowing them to acclimate to the tank water temperature. It is recommended to run the blue light setting during this time to further help them adapt.
2. Carefully cut top of bag with scissors and add a small amount of aquarium water (1 cup) to the fish bag. Rest open bag on side of tank and let sit for 20 minutes.
3. Pour out all of the bag water into the sink while using a net to ensure the fish do not jump out or go down the drain. Quickly place fish from the net into the aquarium.
4. Corals (if applicable) should be acclimated the same way as above and can be placed into the aquarium by hand.
5. Fish can be fed after 2 hours of being placed into the aquarium with the lights on.



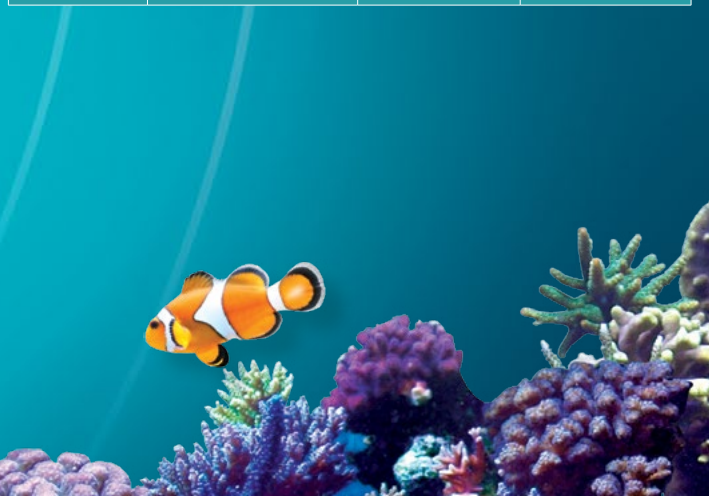
Ensure floating bag does not block overflow area that leads to the rear filter compartment.



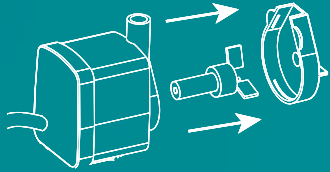
CARE & CLEANING

DAILY	WEEKLY	MONTHLY
Feed fish in the morning after the lights have come on, and again in the evening before the lights go off.	Clean protein skimmer cup (if applicable) by rinsing with tap water and wiping clean with hands or a soft cloth.	Clean Foam Filter once a month by rinsing it thoroughly with tap water.
Check for any signs of pump malfunction by ensuring there is visible water circulation.	Change 10% of the water with mixed/dissolved saltwater solution, or change 20% every two weeks.	Replace Carbon media once a month.
Using a net, remove any excess food or other debris as needed.	Clean the glass using magnets as needed (usually once or twice a week), while being careful not to get sand in between the magnet and the inside glass.	Replace Bio-Foam once every 6 months.
Check thermometer to ensure optimal range (76-80° Fahrenheit, 24-27°Celsius) is being maintained.		Replace BIOMAX media once every 2-3 months.

MEDIA	PURPOSE	MAINTENANCE	REPLACEMENT
Foam Filter Block	Mechanical Filtration: Traps particles and debris	Rinse every 4-6 weeks	12 months
Activated Carbon Insert	Chemical Filtration: Eliminates toxic impurities, odors and discoloration	N/A	2 to 4 weeks
BIOMAX insert	Biological Filtration: Provides Optimum Biological Balance	Rinse every 6-8 weeks	2-3 months



For best results, remove impeller from motor. Clean any build up from impeller and well every three (3) to six (6) months.



RECYCLING

This product bears the selective sorting symbol for waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European Directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment. Check with your local Environmental Agency for possible disposal instructions or take to an official council registered refuse collection point. **Electronic products not included in the selective sorting process are potentially dangerous for the environment and human health due to the presence of hazardous substances.**



TWO YEAR LIMITED WARRANTY

Your Fluval Sea EVO aquarium and included electrical components are guaranteed for defects in material or workmanship for a period of two years from the date of purchase. This guarantee is valid with proof of purchase only. The guarantee is limited to repair or replacement of the unit only and does not cover consequential loss or damage to animate or inanimate objects. This guarantee is valid provided the aquarium is placed on a surface that is flat and levelled. This guarantee excludes aquarium breakage due to misuse, chips, stress cracks caused by improper support or other breakage. This guarantee is valid only under normal operating conditions for which the unit is intended. It excludes any damage caused by unreasonable use, negligence, improper installation, tampering, abuse or commercial use. Failure of less than 5% of the total number of LEDs shall not be considered a defect under the terms of this warranty. The warranty does not cover the impeller, or any item which has not been adequately or correctly maintained. **This guarantee does not affect your statutory rights.**

To register your warranty online or for more information on this and other products go to www.hagen.com. If at sometime in the future you have cause to claim under this guarantee, you will need to provide proof and date of purchase. We recommend that you retain your receipt for this purpose. Rolf C. Hagen Inc. wishes you many hours of enjoyment with your Fluval EVO aquarium.

FOR AUTHORIZED GUARANTEE REPAIR SERVICE

For Authorized Warranty Service please return (well packaged and by registered post) to the address below enclosing dated receipt and reason for return. If you have any queries or comments about the operation of this product, please let us try to help you before you return the product to your retailer. Most queries can be handled promptly with a phone call. When you call (or write), please have all relevant information such as model number, age of product, details of aquarium set-up, as well as the nature of the problem.

If you have any queries or comments about the operation of this product, please contact your Specialist Aquatic Retailer in the first instance. Most queries can be handled easily at store level. In the unlikely event that it cannot, please return the item to the retailer, with your valid proof of purchase, for repair or replacement under the two year warranty terms.

CANADA: Rolf C. Hagen Inc., Consumer Repair

20500 Trans Canada Hwy, Baie D'Urfé, QC H9X 0A2

Canada only: 1-800-554-2436 between 9:00 a.m. and 4:30 p.m. Eastern Standard Time. Ask for Customer Service.

U.S.A.: Rolf C. Hagen (U.S.A.) Corp.

305 Forbes, Blvd, Mansfield, MA. 02048

U.S.A only: 1-800-724-2436 between 9:00 a.m. and 4:00 p.m. Eastern Standard Time. Ask for Customer Service.

UK: Rolf C. Hagen (UK) Ltd, Customer Service Department

California Drive, Whitwood Ind Est., Castleford West, Yorkshire WF10 5QH

<http://faq.hagencrm.com?/uk>

U.K. only: Helpline Number 01977 521015. Between 9:00 AM and 5:00 PM, Monday to Thursday and 9:00 AM and 4:00 PM on Friday (excluding Bank Holidays).