

AquaEuroUSA™



34 GALLON AQUARIUM USER MANUAL

34 Gallon Aquarium - PARTS

NOTE:

Examine for damages before installation.



150w ballast



UV Sterilizer Transformer



Water Pump Nozzle

PARTS CHECK LIST

- Protein Skimmer
- Filter Sponge
- Denitrator
- Heater
- Bio-balls
- Bio-media
- Water Pumps (2)
- U.V Sterilizer
- Directional Water Nozzles (2)
- 150w 14K Double End bulb
- 150w Ballast
- Light Timer

INTRODUCTION

AquaEuroUSA's 34 Gallon Deluxe Aquarium

Thank you for purchasing the **AquaEuroUSA™ 34 Gallon Deluxe Aquarium**. To fully enjoy this aquarium, achieve optimal performance and prevent accidents, please read this manual carefully before use and keep it for future reference.

With the right combination of lighting, filtration, water movement and temperature a beautiful, balanced, healthy aquarium can be yours. **Aqua Euro USA's 34 Gallon Deluxe Aquarium** gives you all that...easily and efficiently. Now you can create your own magical underwater world.

Major benefits of **Aqua Euro USA's 34 Gallon Deluxe Aquarium** – This aquarium is equipped with many features which enable you to keep a wider range of saltwater fish and coral, as well as freshwater fish and plants. Metal Halide lighting is what sets this aquarium apart from all others. Metal Halide light is the primary source of energy for the aquarium ecosystem and provides two major benefits to all marine life - Reef inhabitants and invertebrates rely on the proper light intensity and color spectrum to promote photosynthesis and other reef organisms convert the light into chemical energy that is later consumed by other organisms. Additionally, the 'state of the art' filtration system allows you to maintain a healthy environment for underwater creatures by removing waste from the aquarium before it is converted into toxic pollutants.

Feature Overview

Powerful Lighting System – HQI Metal Halide 150w 14000K with 6 Moonlight Blue LEDs

- Produces an intense high PAR value light that closely imitates Natural Sunlight
- Emits a Full Spectrum, Brilliant White Light with Sparkling Vibrant Actinic Blue rays
- Promotes the development of photosynthetic plants, anemones and coral
- Enhances the natural vibrant fluorescence in fish, coral and marine life
- Programmable, digital, heavy-duty light cycle timer
- Automated internal cooling fan with 'Intelligent' temperature control

5 Stage Filtration System –

- Bio-balls & Bio-media: Purifies water while creating an ideal habitat for nitrifying bacteria
- U.V Sterilizer: Creates UV light rays that help kill germs and single celled algae, keeping the aquarium water clear while keeping fish and invertebrates healthy
- Protein Skimmer: Helps remove waste before it decomposes
- Denitrator: Biological filter that removes nitrate which is toxic for marine life and prevents unwanted algae growth
- Filter Sponge: Increases beneficial bacteria while trapping debris

Attractive Stylish Design

- Quality seamless curved glass for optimum viewing
- Superior craftsmanship, smooth precision finish

Easy to Operate

- Convenient feeding access
- 2 High performance water pumps
- Easy access to filtration area
- Remote HQI Ballast
- Cooling fans
- Includes heater to help regulate and maintain water temperature
- Independent on/off switches for lighting
- Large 34 Gallon size
- Ideal for saltwater and reef aquariums

Please refer to the “SAFETY INSTRUCTIONS” portion of this manual

Additional Recommended Equipment

Aqua Euro USA™ offers additional equipment to enhance your aquariums' peak performance. *

- **Aqua Euro USA™ Chiller:** Model: 1/13HP includes a heater control power outlet. Specifically designed for 34 gallon aquarium; will provide maximum water cooling.
- **Aqua Euro USA™ Grounded Heavy Duty Timer:** Automate your daylight cycles.
- **Aqua Euro USA™ GFCI (ground fault circuit interrupter) Outlet:** Absolutely required if your wall outlet is not already equipped with a GFCI. Easy to use no wiring required.
- **Aqua Euro USA™ Magnet Cleaners:** Available in various sizes to help keep your aquarium glass algae-free.
- **Aqua Euro USA™ Siphon Pump:** Makes the removal of water from aquarium easier.
- **Aquarium Saltwater Test Kits:** For pH, alkalinity, calcium, magnesium, nitrate, nitrite, iodine etc. Maintaining good water conditions helps to keep a healthy environment.

*Not included in the 34 Gallon Deluxe Aquarium System

Set Up

- Carefully remove aquarium and all accessories from box. Two people are required to gently lift tank out of box (position one person on either side of tank). Place tank on a flat, sturdy surface. Examine for damages and/or missing items.
- Thoroughly clean dust and remove all packaging materials from the aquarium before beginning set-up.
- Once tank is filled with water and rock it **must not** be moved. Before proceeding, consider the following in choosing a suitable aquarium location.
- Placement on a suitable, sturdy and level surface is necessary. A glass aquarium may crack if it is placed on an inappropriate surface. Be sure the surface you choose will be able to support the weight a heavy aquarium.
- Do not place aquarium on the floor and keep electrical cords neatly out of the way (aquarium may be damaged or you may trip over the aquarium and/or the cords).
- Locate in an area that will receive good ventilation and allow for air flow. Do not store aquarium in a closed location (closets or a cabinet that does not receive sufficient air flow). Keep away from heat sources to maintain optimal temperature (approximately 75° Fahrenheit).
- Do not place aquarium near electronic systems (T.V., computer, power strip etc.) or where water splash is a possibility.
- Do not place aquarium near air conditioner, heater etc. Place away from window sunlight to prevent excessive algae build up and to help with temperature regulation.
- Do not expose aquarium to outside elements and/or below freezing temperatures.
- Be sure to place aquarium where you can fully open the top hood for routine maintenance and to allow for easy component access.
- Be sure the location has adequate access to the electrical socket so equipment can be switched OFF during maintenance.

Assembly

Please read entire manual before beginning assembly

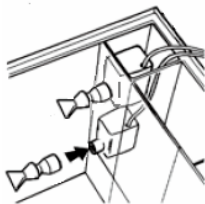
Note the back chamber has been pre-set with all the filter components.
Never touch electrical components with wet hands.

Check tank for leaks:

- Fill tank 2" from top with tap water, let it stand for ½ hour and check for leakage.
- Do not move the tank when full.
- To empty tank, siphon the water – **Do not lift or tilt tank to empty.**

Do not turn the pumps on at this stage

- Push pumps firmly into the outlet holes to the left side of the filter.
- Screw the 2nd water flow nozzle to the outside of the bottom pump outlet.



- **Pumps must always be submerged.**

Do not turn the heater on at this stage

- Inspect the heater for damages.
- Set heater to desired temperature (suitable for tropical or marine fish aquariums) by adjusting the button on top of heater. An average temperature setting for a reef tank is 25 - 26 °C (77 - 79°F).
- Secure heater to back wall using clip provided.

Filtering system

- Remove and rinse bio-media (**do not take media out of net**) with running water to remove any leftover debris.
- Place back into rear chamber (see page1).

Protein skimmer

- Inspect the skimmer for damages.
- When operating - the air line on the skimmer must be **out** of the water.
- Use only in saltwater aquariums.
- Place back into chamber and secure using suction cups and side bracket.
Note: When in operation the height of the skimmer collection cup can be adjusted for wet or dry skimming by lowering or rising the collection cup.
- Make sure all connections are secure.

UV Sterilizer

- Connect UV adaptor and transformer to UV Sterilizer (see page1)
- UV sterilizer is attached to the outlet flow of the pumps into the aquarium.
- This unit should be ON ONLY when the pumps are running.

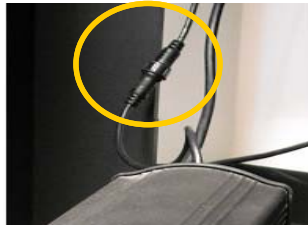
Chiller (not included)

- The use of a chiller is recommended to keep an even water temperature.
- Follow manufactures chiller instructions.
- Place chiller feeder pump in suitable location in back chamber.
- Connect feeder pump to inlet fitting of chiller.
- Set chiller to a normal temperature setting for a reef tank; between 25 - 26°C (77 - 79°F).
- Make sure all connections are secure.

Lighting

Electrical equipment plugs are installed on one side of the aquarium. This aquarium is supplied with 150 watt 14,000 Kelving bulb and 6 blue LED lights (ideal for night viewing when the main lighting is switched off). The lights are pre-installed and the LED lights are not replaceable.

- Connect Metal Halide & LED lamp cords from lighting canopy to ballast. Each cord has a different configuration to avoid improper connection.



- Connect ballast power cord to a 3-prong grounded Ground Fault Circuit Interrupter (GFCI) outlet.
- The lights can be turn on / off using the switch located on side of the canopy or by setting a programmable grounded digital timer.

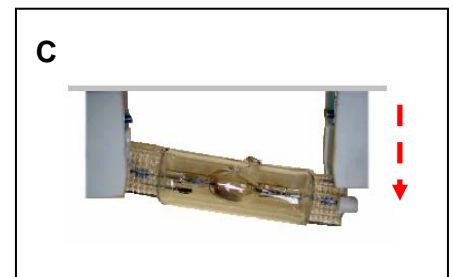
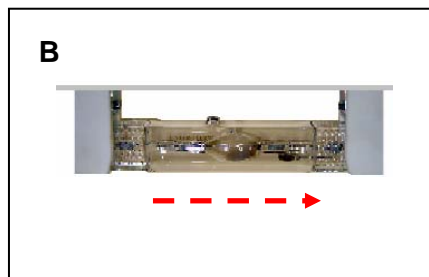
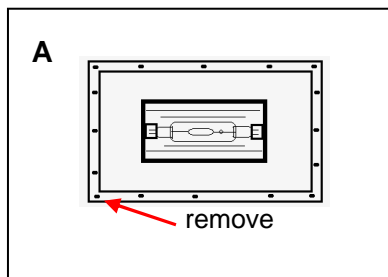


- Check that the Metal Halide bulb operates. If it fails to light, be sure the bulb is firmly secured in the socket. Follow procedures below.
- Check that the LED's operate (these are the small blue lights).
- Turn lights off to proceed with set up.

Note: If the Metal Halide bulb does not come on:

Disconnect ballast power cord from outlet. If bulb is hot let it cool down for 30 minutes before touching. Do not touch bulb with finger tips (use cloth). Using a Philips screw driver remove the screws holding the bulb lens (see diagram A). Using gloves or a cloth remove bulb from socket by pushing bulb into one end of socket then removing the opposite side from socket (diagram B & C). Inspect for any damage then reinstall into socket. When reinstalling lamp fingerprints should be wiped off lamp with a soft clean cloth.

- ❖ DO NOT touch bulb with bare hand. Use protective gloves or a soft cloth.
- ❖ DO NOT install bulb with internal exhaust tip toward the floor – it must be upright!
- ❖ DO NOT operate bulb without fixture's glass in place.
- ❖ DO NOT ignite lamp if it is broken.



Once equipment is installed:

After equipment is installed and the aquarium is situated on a suitable surface you can add gravel or other substrate. If you choose to use plain gravel thoroughly rinse it in a bucket before adding to the aquarium; only add about 1 to 2 inches. Be careful that nothing scratches the aquarium's glass surfaces. If you are adding rock to your aquarium do not drop it. Place it carefully into the aquarium.

After substrate and rock have been added you can carefully fill the aquarium with water.

The water **must be reef ready** before adding to aquarium:

- Do not use tap water - it contains fluoride and chlorine that are harmful to a reef setup.
- Do not use seawater - it contains harmful pollutants.
- If using tap water (not recommended) treat with conditioners sold at your local fish store and follow manufactures instructions.
- It is recommended to use only RO water (reverse osmosis) or purified water.
- In a container mix the salt (not supplied, can be purchase at local aquarium store) and RO water. Stir water by hand or with the use of a pump.
Note: Warm RO water helps dissolve the salt faster and add the salt after the water is in container.
- Proceed to add saltwater to aquarium as needed.
- Turn pumps on and run for at least 2 hours. Check that the pumps are operating correctly. Direct the pump nozzles to produce good water circulation.
- When salt is completely dissolved, measure the salinity with a hydrometer. The recommended salinity for a reef aquarium is between 1.023 - 1.025. For a fish only aquarium salinity should be 1.020 - 1.022.

Let aquarium cycle for about 2-6 weeks (break-in period). The cycle is needed to allow bacteria to settle and create colonies that break down toxic ammonia and convert it first to nitrite then into less toxic nitrate. Do not use ammonia neutralizing supplements during cycling. Test the water PH, ammonia, nitrite, nitrate, alkalinity, calcium pro, iodine, phosphate and temperature parameters before adding live stock.

After the cycling period you can run the Metal Halide lamp for approximately 3-5 hours per day to start and increase the hours depending on your tank inhabitant needs. When Metal Halide bulb is turned off - turn on the blue LED lights to create a nocturnal shimmer for night time viewing. The LED's are strong enough to illuminate the tank for nocturnal behavior.

Adding live stock

Thoroughly research the livestock you want to add to your tank prior to including it into your system. Is important to consider to compatibility between species, the amount of stock you want to incorporate and length of time between each new addition. It is also important to learn the needed lighting and current requirements as they can also affect the survival rate of any new addition.

- Do not place new animals (corals, fish or invertebrates) directly into tank. Their surrounding water parameters are different from those in your aquarium.
- Place stock in a separate container to acclimate prior to their addition into the aquarium.
- Do not add all live stock at once.
- Locate coral in a spot that most replicates its natural lighting and water movement needs. Coral may need to be relocated if they loose color or shrink in size.
- Allow time for all new additions to acclimate to their new environment.

Maintenance

Proper routine maintenance will prolong the health of aquarium inhabitants, giving you more time to enjoy the beauty of your aquarium without spending too much time problem solving.

Warning: Do not touch aquarium, cord or electrical plugs with wet hands. Disconnect aquarium from electricity (power supply) before performing maintenance, moving or adjusting aquarium.

Caution:

- Do not stack anything on top of aquarium.
- Do not lift or move an aquarium that is not completely empty, never lift aquarium with wet hands.
- Make sure the ambient temperature does not exceed 85° Fahrenheit.
- Do not spill any liquid on top of aquarium.

Daily

- Observe your life stock (fish/corals) for unusual behavior.
- Monitor water color and clarity.
- Be sure that all equipment is functioning properly - pumps, heater, skimmer, chiller, lighting, etc.
- Monitor water temperature.
- Feed fish and corals according to their needs.

Weekly

- Clean aquarium glass. Do not scrub glass with abrasive materials that will scratch glass; use AquaEuroUSA™ Glass Scrubbers to clean algae, etc.
- Look for and remove any fish/coral casualties, they create harmful toxins.

Biweekly

- Test water parameters – pH, nitrate, alkalinity, calcium etc.
- Change 10-15% of the water. Always use a siphon pump to remove water from aquarium.
- Prepare and test the new water parameters before and after adding into aquarium. Gradually add new water.
- Disconnect the power to the Metal Halide bulb and let bulb cool down for at least 30 minutes before cleaning glass cover with a clean rag. Do not use soap or chemicals.
- Clean the outside of the aquarium and lighting canopy. Do not use soap or chemicals.

Monthly

- If water change was not performed on the biweekly schedule, change 25-30% of the water following the instructions above.
- Vacuum bare live rock areas, gravel and/or substrate.
- Remove and empty skimmer collection cup.
- Check all supplements and food bottles for expiration dates and discard if expired.

Yearly

- Replace Metal Halide lamp every 8-10 months for optimum benefit for your aquarium inhabitants.
- Clean bio-media with saltwater removed from aquarium during water change.
- The skimmer and aquarium pumps should be cleaned every 6 months.
 1. Unplug the pumps from the power outlet (hands must be dry)
 2. Remove pump from tank and clean any residue
 3. Rinse all parts with clean water, use brush if necessary
 4. Reassemble and place back into tank

Helpful Tips

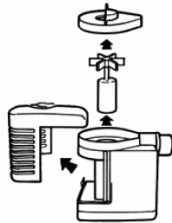
- When setting up a reef aquarium your best tool will be patience, research and product choice.
- For a freshwater setup you can use regular tap water but treat it with conditioners before adding to aquarium.
- Do not overdose supplements and do not over feed.
- Do not overstock your aquarium.
- Keep a maintenance log to help you keep track of water changes and parameters.

Troubleshooting

Pumps

Pumps should run quietly. If either fails to operate or if they are noisy turn the power off, remove the pumps and take the impeller out (see diagram). Check for damage to the magnet then reinstall the impeller before turning the pumps back on.

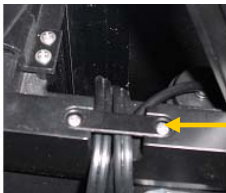
Removing the impeller



You may hide the power cords; simply relocate cords to the back of the aquarium

1. Use a Phillips screwdriver and remove the screws holding the power cords.
2. Close hood, gently remove back filtration lid by pulling it out of the aquarium in an upright position.
3. Slide out hose access, pass the wire thru bottom slot and place in round compartment.

1.



Remove

2.



3.



Removing the hood from the aquarium (only if necessary)

1. Use a Phillips screwdriver and remove the screws from the locking covers and hood support pins.
2. Close hood and pull back the 2 locking covers.
3. You can use a flat screwdriver to help you gently pull the inside of the locking upwards then remove cover.

1.



Remove screws

2.



Pull back

3.



Pull up

PLEASE READ THE FOLLOWING BEFORE STARTING

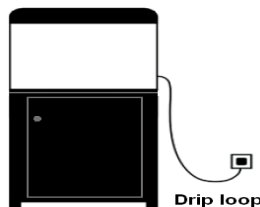
SAFETY INSTRUCTIONS



WARNING: FOLLOW THE SAFETY PRECAUTIONS BELOW TO PREVENT PROPERTY DAMAGE, FIRE, PERSONAL INJURY AND LOSS OF LIFE.

DANGER: To reduce the risk of electrocution:

- Always unplug product before servicing and after using.
- Do not handle plug with wet hands.
- Do not place or store product where it can fall.
- Do not reach for an electrical product that has fallen into water. Unplug immediately.
- Check the power supply cord for damage before the first use and during the life of the product.
- The voltage and frequency of the power supply should be consisted with the marked voltage and frequency on the tank and its components.
- Closely instruct and supervise children and individuals with special needs in the proper use of this product.
- Read 'Operating Instructions Manual' for correct usage and use this product only as indicated in the instructions.
- The use of attachments or accessories not recommended by AquaEuroUSA™ may cause fire, electrical shock, or risk of injury.
 - Place in an area where if the aquarium accidentally leaks or breaks it creates the least amount of property damage.
 - Do not place aquarium near electronic systems (T.V., computer, power strip etc.) or anywhere that the possibility of water splash is a concern.
 - Do not try to repair an aquarium that was damaged in shipment or damaged during use.
 - Keep all connections dry and off the ground.
 - Do not touch electrical plug with wet hands to connect aquarium to outlet.
 - Never pull the power cord to remove the plug from the socket. Grasp the plug firmly to disconnect from socket. Position the power cord so that it cannot be tripped over or pulled from outlet accidentally.
 - Do not allow water or salt to come in contact with thermostat or power cords.
 - Unplug aquarium before putting on or taking off parts, before cleaning and when not in use. If an appliance falls into the water "Do Not" reach into the water to retrieve the item, unplug item from power first.
 - Do not allow electrical components to get wet. If the plug or socket does get wet, DO NOT unplug the lead. Disconnect the fuse or circuit breaker of the building that supplies power to the aquarium. Allow to dry out thoroughly before re-connecting to power.
 - To avoid the chance of the appliance plug or outlet getting wet, position the aquarium to one side of a wall mounted outlet to prevent water from dripping onto the outlet plug.
 - Create a "drip loop" (see diagram) for each cord connecting the aquarium or aquarium appliance to an outlet. The "drip loop" is the part of the cord below the level of the outlet or the plug. Use an extension cord, if necessary, to prevent water traveling along the cord and coming into contact with the outlet. If the plug or outlet does get wet, DO NOT unplug the cord. Disconnect the fuse or circuit breaker that supplies power to the appliance. Then unplug the device and examine for water in the outlet.



- If an extension cord is necessary, use a cord with the proper rating. A cord rated for fewer amps or watts than the aquarium requires may overheat.
- ALWAYS connect all power plugs (light, pump, heater, chiller, timer etc.) to a ground fault circuit interrupter (GFCI). If your house is not equipped with a GFCI outlet have an electrician install a permanent one or purchase a GFCI system from Aqua Euro USA™ that plugs directly into your electrical socket outlet. Make sure that your socket has a three pronged ground outlet.
- Examine the aquarium carefully after set up, do not plug into power if any component that should not be wet is wet (wait until component is completely dry).
- Do not operate if plug or cord is damaged, wet or tank has been dropped or is malfunctioning.
- Do not operate the aquarium if you smell smoke or there is burning.
- Only 115v (60Hz) electrical source should be used with the aquarium.
- Do not use for other than the intended use. The use of attachments not recommended or sold by the manufacturer may cause an unsafe condition.
- Be sure any appliance mounted on a tank is securely installed before operating.
- Do not touch moving or hot parts (lamps, heaters, reflectors etc.)
- Do not expose aquarium to outside elements or below freezing temperatures.
- Supervision is necessary when used by or near children.
- Use only manufacturer's genuine replacement parts. The manufacturer is not responsible for hazards caused by the use of unauthorized parts.
- Read and observe all the important notices on the aquarium.
- Always keep a copy of these instructions for reference.

Aqua Euro USA™ One-Year Limited Warranty

Carefully inspect aquarium when it is received. If aquarium is received damaged, notify the carrier, note damage on freight bill. Otherwise no claim can be made against the carrier.

Aqua Euro USA™ guarantees this product, to the original purchaser, against defects in components, materials and workmanship (that occur under normal use) for a period of ONE (1) YEAR from the date of retail purchase. The warranty is not transferable and is confined to the original retail purchaser only. Damage to the aquarium glass is not included. The warranty does not apply if (1) damages result from misuse, accident, improper installation, lack of reasonable care or abuse, (2) the product is not purchased from Aqua Euro USA™ or an authorized dealer, (3) damage due to modification or alteration that is made to the product (4) wrong circuitry or unspecified electrical input to the pump, (5) service by anyone other than an authorized AquaEuroUSA™ repair center (6) the site (location where the product is kept) conditions do not conform to the recommended operating conditions for the aquarium, (7) the original brand name is removed, obliterated or altered from the product. The precondition for the warranty is that the predetermined set-up routine is observed.

Contact the company at www.aquaeurousa.com

Purchaser pays any postage, shipping and insurance fees to return aquarium. If the needed repairs are covered by warranty, purchaser will pay the return shipping charges.

In the event of product failure within the warranty period, please contact the store where the product was purchased for further instructions for repair or replacement. Repair or replacement will be carried out through Aqua Euro USA™ or its authorized dealers. A return authorization number and a copy of original purchase receipt are required for return of the defective product. After any repairs/replacement of the unit, this warranty will thereafter continue and remain in force only for the unexpired period of warranty. Moreover, the time taken for repair/replacement and in transit whether under the warranty or otherwise shall not be excluded from the warranty period. All returns must be made in original packaging.