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› LIFEGARD Low Iron Ultra Clear 10 Gallon Crystal Aquarium Instruction Manual

## Lifegard Aquatics R460006

# LIFEGARD Low Iron Ultra Clear 10 Gallon Crystal Aquarium Instruction Manual

Model: R460006

## INTRODUCTION

This manual provides essential instructions for the setup, operation, and maintenance of your LIFEGARD Low Iron Ultra Clear 10 Gallon Crystal Aquarium. Please read these instructions thoroughly before beginning assembly or operation to ensure proper function and longevity of your aquarium.

The LIFEGARD Crystal Aquarium features low iron, rimless glass with beveled edges, and an integrated back filter system designed for both freshwater and saltwater environments. It includes a submersible pump, filter sock, and an insulation pad.

## SAFETY INFORMATION

- Always unplug all electrical equipment before performing maintenance or handling the aquarium water.
- Ensure the aquarium is placed on a sturdy, level surface capable of supporting its full weight when filled with water, substrate, and decorations.
- Do not lift the aquarium when it contains water.
- Keep electrical cords away from water and ensure drip loops are formed for all power cords to prevent water from traveling along the cord to the outlet.
- This product is made of glass and is fragile. Handle with care during unpacking and setup.

## PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with setup.

- Low Iron Glass Aquarium (10 Gallon)
- QuietOne Submersible Pump
- High Polish Filter Sock
- Top Drain
- Adjustable Return Fitting (Directional Jet Flow)

- Bottom Insulation Pad



Image: Front view of the LIFEGARD 10 Gallon Crystal Aquarium, showcasing its rimless design and clear glass.



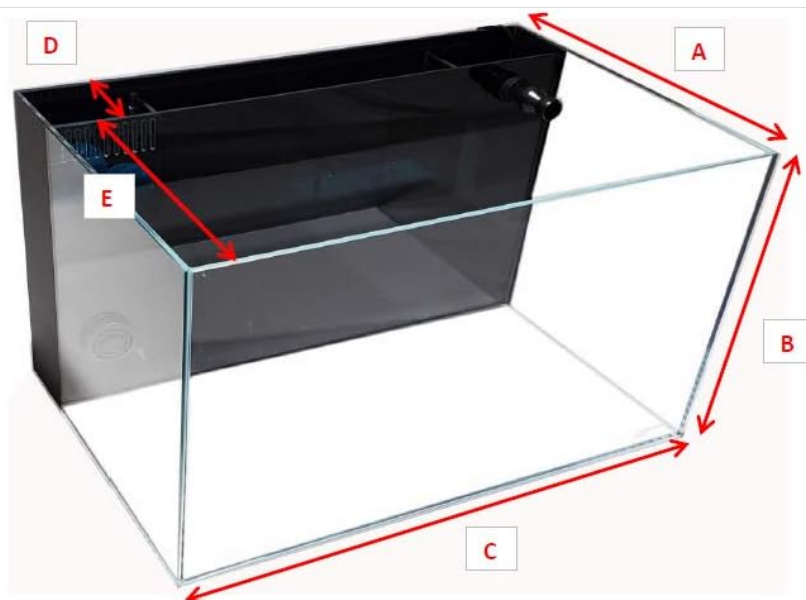
Image: Rear view of the aquarium, highlighting the integrated back filter compartment.

## SETUP INSTRUCTIONS

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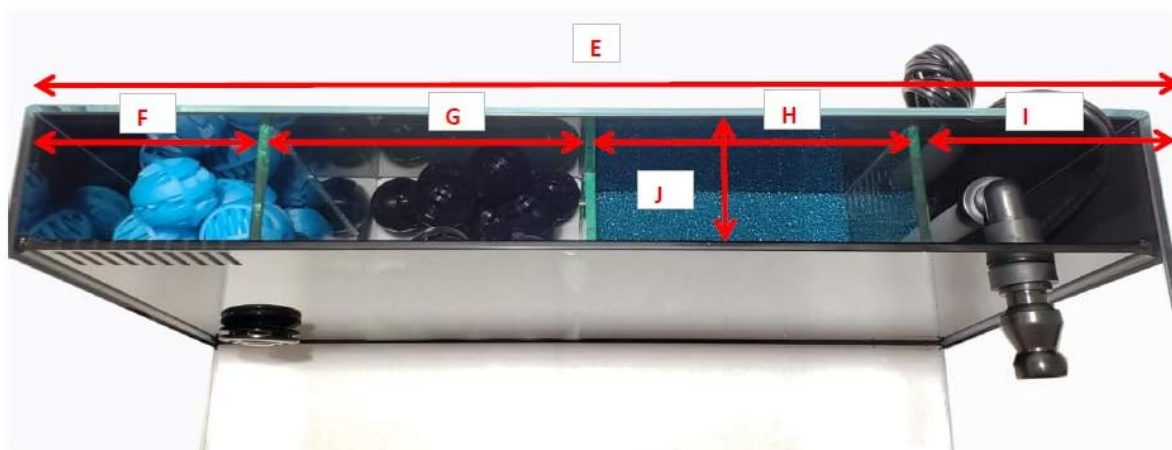
Detailed instructions are included in the product packaging. The following is a general guide:

1. **Unpacking:** Carefully remove the aquarium and all components from the packaging. Inspect for any damage. Due to the fragile nature of glass, handle with extreme care.
2. **Placement:** Select a flat, sturdy, and level surface for the aquarium. Place the provided bottom insulation pad on the surface before positioning the aquarium. Ensure the location is away from direct sunlight, heat sources, and drafts.
3. **Filter Compartment:** The aquarium features a built-in back filter. Familiarize yourself with its sections.



**LIFEGARD® Crystal™ Aquariums**  
Rectangular Style All-in-One  
with Built-In Back Filter

| Part #  | Description                                                                                                        | Dimensions (Inches) |     |        |       |        |
|---------|--------------------------------------------------------------------------------------------------------------------|---------------------|-----|--------|-------|--------|
|         |                                                                                                                    | A                   | B   | C      | D     | E      |
| R460005 | 24 Gallon Low Iron Ultra Clear Aquarium with Built in Back Filter - 23.62" x 15.75" x 14.96" - Glass Thickness 6mm | 16"                 | 15" | 23.5"  | 2.7"  | 12.75" |
| R460006 | 10 Gallon Low Iron Ultra Clear Aquarium with Built in Back Filter - 17.72" x 11.81" x 11.02" - Glass Thickness 5mm | 11.5"               | 11" | 17.75" | 2.16" | 8.8"   |
| R460007 | 4.14 Gallon Low Iron Ultra Clear Aquarium with Built in Back Filter - 12.2" x 8.66" x 9.06" - Glass Thickness 5mm  | 8"                  | 9"  | 12"    | 2.1"  | 5.5"   |



| Part #  | Description                                                                                                        | Dimensions (Inches) |       |      |      |       |
|---------|--------------------------------------------------------------------------------------------------------------------|---------------------|-------|------|------|-------|
|         |                                                                                                                    | F                   | G     | H    | I    | J     |
| R460005 | 24 Gallon Low Iron Ultra Clear Aquarium with Built in Back Filter - 23.62" x 15.75" x 14.96" - Glass Thickness 6mm | 4.3"                | 6.6"  | 6.5" | 4.6" | 2.7"  |
| R460006 | 10 Gallon Low Iron Ultra Clear Aquarium with Built in Back Filter - 17.72" x 11.81" x 11.02" - Glass Thickness 5mm | 3.3"                | 4.9"  | 4.9" | 3.3" | 2.16" |
| R460007 | 4.14 Gallon Low Iron Ultra Clear Aquarium with Built in Back Filter - 12.2" x 8.66" x 9.06" - Glass Thickness 5mm  | 3.3"                | 4.75" |      | 3.2" | 2.1"  |

Image: Technical diagram illustrating the dimensions and internal layout of the filter compartments for various LIFEGARD Crystal Aquarium models, including the 10 Gallon (R460006).

- 4. Install Filter Media:** Place the High Polish Filter Sock into the designated filter chamber, typically the first chamber where water enters from the display tank. Additional filter media (not included) such as biological media or chemical media can be added to subsequent chambers as desired.





Image: A close-up view showing the high polish filter sock correctly placed within the filter compartment.

5. **Install Pump:** Place the QuietOne submersible pump in the final filter chamber, ensuring it is fully submerged when the tank is filled. Connect the adjustable return fitting to the pump's outlet and position it in the main display area to direct water flow.
6. **Leak Test:** Before adding substrate or livestock, fill the aquarium with fresh water and check for any leaks for at least 24 hours.
7. **Aquascaping:** Once the leak test is successful, drain the water and add your desired substrate, decorations, and plants.
8. **Filling and Cycling:** Slowly fill the aquarium with conditioned water. Begin the aquarium cycling process appropriate for your chosen aquatic environment (freshwater or saltwater).

## OPERATING INSTRUCTIONS

The LIFEGARD Crystal Aquarium is designed for continuous operation once properly set up and cycled.

- **Power On:** After ensuring all electrical components (pump, heater if used, lighting) are correctly installed and submerged (where applicable), plug them into a grounded power outlet.
- **Water Flow Adjustment:** The adjustable return fitting allows you to direct the water flow within the main display tank. Adjust it to create optimal circulation for your aquatic inhabitants and to prevent stagnant areas.
- **Monitoring:** Regularly monitor water parameters (temperature, pH, ammonia, nitrite, nitrate) to ensure a healthy environment for your fish and plants.



Image: An example of the LIFEGARD Crystal Aquarium set up with aquatic plants and rocks, demonstrating its aesthetic appeal.

## MAINTENANCE

Regular maintenance is crucial for a healthy aquarium environment.

- **Water Changes:** Perform regular partial water changes (e.g., 25% weekly or bi-weekly) to remove nitrates and replenish essential minerals.
- **Filter Sock Cleaning/Replacement:** The High Polish Filter Sock should be cleaned or replaced frequently (e.g., every few days to weekly) to prevent the buildup of detritus and maintain efficient mechanical filtration.



Image: A detailed view of the high polish filter sock, designed for effective mechanical filtration.

- **Pump Cleaning:** Periodically clean the submersible pump impeller to ensure optimal performance and prevent blockages. Unplug the pump before cleaning.
- **Algae Removal:** Scrape algae from the glass as needed using an aquarium-safe algae scraper.
- **Bottom Drain:** The aquarium is equipped with a bottom plug and/or drain to simplify maintenance and water changes. Utilize this feature for easier draining.

## TROUBLESHOOTING

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This section addresses common issues you might encounter.

- **Pump Not Running:**
  - Check if the pump is plugged in and the power outlet is functional.
  - Ensure the pump is fully submerged in water.
  - Inspect the impeller for any blockages or debris. Clean if necessary.
- **Reduced Water Flow:**
  - Clean the filter sock; a clogged sock will restrict flow.

- Check the pump impeller for debris.
- Ensure the return fitting is not obstructed.

- **Cloudy Water:**

- Perform a partial water change.
- Clean or replace filter media, especially the filter sock.
- Check water parameters; cloudy water can indicate a bacterial bloom or high ammonia/nitrite levels during cycling.

- **Leaks:**

- If a leak is detected, immediately drain the aquarium and contact the manufacturer or retailer. Do not attempt to repair glass leaks yourself.

## SPECIFICATIONS

|                                |                                                                                                                                           |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Model Number                   | R460006                                                                                                                                   |
| Tank Volume                    | 10 Gallons (9.98 Gallons)                                                                                                                 |
| Product Dimensions (L x W x H) | 17.72" x 11.81" x 11.02"                                                                                                                  |
| Item Weight                    | 20 Pounds                                                                                                                                 |
| Material                       | Ultra Low Iron Glass, Submersible Pump, Filter Media                                                                                      |
| Shape                          | Rectangular                                                                                                                               |
| Special Feature                | Suitable for Saltwater or Freshwater                                                                                                      |
| Included Components            | Low Iron Glass Aquarium, QuietOne Submersible Pump, High Polish Sock Filters, Top Drain, Adjustable Return Fitting, Bottom Insulation pad |
| Manufacturer                   | Lifegard Aquatics                                                                                                                         |

## WARRANTY INFORMATION

This product comes with a **1 Year Manufacturer Warranty**. Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from improper installation, misuse, accidents, or unauthorized modifications.

## SUPPORT

For technical assistance, replacement parts, or warranty inquiries, please contact Lifegard Aquatics customer service. Refer to the contact information provided in your product packaging or visit the official Lifegard Aquatics website.

When contacting support, please have your model number (R460006) and proof of purchase readily available.

## ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

### Question

Example: How do I reset this device or fix this error?

### Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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