Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

GLACIER FRESH 850070937351

GLACIER FRESH Portable RV Water Softener (Model: 850070937351) Instruction Manual

Your guide to installation, operation, and maintenance of your GLACIER FRESH water softener.

1. Product Overview

The GLACIER FRESH Portable RV Water Softener is engineered to provide soft water for various applications, including RVs, trailers, boats, mobile car washing, and pressure washing. This system effectively reduces hardness minerals such as Calcium, Magnesium, Iron, Lead, and Radium, which can improve water taste and odor, prevent scale buildup, and protect plumbing and appliances.

Key features include a durable stainless steel tank, 16,000-grain capacity for extended use, and stainless steel quick-connect fittings for easy setup. The system operates without electricity, making it ideal for portable use.



Image 1.1: Internal view of the GLACIER FRESH Portable RV Water Softener, highlighting the 16,000-grain food-grade cationic resin and the water flow path. This image illustrates the portable design and the resin's function.

2. Specifications

Brand	GLACIER FRESH
Model Number	850070937351
Material	Stainless Steel Tank, Resin
Product Dimensions (D x W x H)	11.81"D x 11.81"W x 27.17"H
Grain Capacity	16,000 Grains
Connections	3/4" High-Flow IN/OUT Garden Hose Ports with Stainless Steel Quick Connects
Benefits	Removes Calcium, Magnesium, Iron, Lead, Radium; improves taste and smell; prevents scale buildup.

3. Setup and Installation

The GLACIER FRESH Portable RV Water Softener is designed for easy, tool-free installation. Follow these steps to set up your unit:

1. **Placement:** Position the water softener on a stable, level surface near your water source and the appliance or vehicle you intend to supply with softened water.
2. **Connect Inlet:** Connect your water supply hose (e.g., garden hose) to the "IN" port of the water softener. Ensure the quick connect fitting is securely attached.
3. **Connect Outlet:** Connect another hose from the "OUT" port of the water softener to your RV, trailer, boat, or washing equipment. Ensure this quick connect fitting is also secure.
4. **Initial Rinse:** Before first use, slowly turn on the water supply and allow water to flow through the softener and out the discharge end for approximately 3-5 minutes. This flushes any manufacturing residue and prepares the resin.



Image 3.1: A user connecting the GLACIER FRESH water softener to an RV's city water inlet, demonstrating the ease of installation with quick-connect fittings.

Your browser does not support the video tag.

Video 3.1: Official GLACIER FRESH video demonstrating the portable RV water softener, including setup and connection. This video provides a visual guide to the installation process.

4. Operating Instructions

Once installed and rinsed, the GLACIER FRESH Portable RV Water Softener operates automatically. Water flows through the resin bed, where hardness minerals are exchanged for sodium ions, resulting in softened water.

- **Water Flow:** Ensure a steady, moderate water flow. Excessive flow rates may reduce softening efficiency.
- **Monitoring:** The effectiveness of the softener will gradually decrease as the resin becomes saturated with hardness minerals. You may notice a return of hard water symptoms (e.g., soap not lathering well, spots on dishes). This indicates it's time for regeneration.



Image 4.1: A visual representation of the water softening process, illustrating how the unit reduces various minerals and improves water quality.

5. Maintenance and Regeneration

To maintain optimal performance, the resin inside your water softener requires periodic regeneration. This process recharges the resin, allowing it to continue removing hardness minerals. The frequency of regeneration depends on your water hardness and usage.

Regeneration Process:

1. **Prepare Brine Solution:** You will need water softener salt (e.g., Morton Salt, not table salt). The amount of salt depends on the manufacturer's recommendation, typically 2-4 boxes for a 16,000-grain unit. Dissolve the salt in water to create a brine solution. Refer to the specific salt product for mixing ratios.
2. **Disconnect Unit:** Disconnect the water softener from your water supply and outlet.
3. **Backwash (Optional but Recommended):** If your unit supports backwashing, connect the inlet to a water source and the outlet to a drain. Flush water through the unit in reverse for several minutes to clean the resin bed.
4. **Add Brine:** Carefully pour the prepared brine solution into the water softener's resin tank. Allow the brine to sit in the tank for a recommended period (e.g., 30-60 minutes) to allow the resin to absorb the sodium ions.
5. **Rinse:** After the brine soak, reconnect the unit to your water supply and outlet. Slowly turn on the water and rinse the unit thoroughly for 10-15 minutes, or until all salt taste is gone from the outlet water. This flushes out the excess brine and displaced hardness minerals.
6. **Return to Service:** Your water softener is now regenerated and ready for use.

Note: *Always use water softener salt, not table salt, for regeneration. Consult the salt manufacturer's instructions for precise brine preparation and quantities.*

6. Troubleshooting

- **No Soft Water / Water Still Hard:**
  - Ensure the unit has been properly regenerated with water softener salt.
  - Check that the water flow direction is correct (IN to OUT).
  - Verify all connections are secure and not leaking.
  - The resin may be exhausted and requires regeneration.
  - Water hardness might be exceptionally high, requiring more frequent regeneration or a larger capacity unit.
- **Low Water Pressure:**
  - Check for kinks in hoses connected to the unit.
  - Ensure the water supply pressure is adequate.
  - The resin bed might be fouled or compacted. Perform a backwash if your unit allows, or regenerate the unit.
- **Leaking Connections:**
  - Tighten all quick connect fittings. Do not overtighten.
  - Inspect O-rings and gaskets for damage or improper seating. Replace if necessary.
- **Quick Connects Seem Reversed:**
  - While the standard is IN (male) and OUT (female) for garden hose connections, some units may vary. If your connections do not match your hoses, adapters may be required. Ensure water flows into the designated "IN" port and out the "OUT" port for proper function.

7. Warranty and Support

GLACIER FRESH products are manufactured to high-quality standards. For specific warranty details, please refer to the warranty card included with your product or visit the official GLACIER FRESH website. Keep your purchase receipt as proof of purchase.

For technical assistance, troubleshooting, or to inquire about replacement parts, please contact GLACIER FRESH customer support:

- **Website:** Visit the GLACIER FRESH Store on Amazon (for general product information)
- **Email/Phone:** Refer to your product packaging or the official GLACIER FRESH website for the most current contact information.

When contacting support, please have your model number (850070937351) and purchase date 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.

Name

Anonymous

Email

you@example.com

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

Answered questions about this manual

Why are the inlet and outlet ports on my GLACIER FRESH Portable RV Water Softener (Model 850070937351) reversed or incorrectly labeled compared to the manual?

It appears you have encountered a discrepancy between the physical labeling on your unit and the standard operating flow described in the manual. Based on the GLACIER FRESH Portable RV Water Softener (Model 850070937351)...

Read full answer

Open the live page

https://manuals.plus/asin/B0F5B6SYRB

More documents and user manuals: **https://manuals.plus/**