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› VEVOR Deionized Water System PRS-XCG713 User Manual

VEVOR PRS-XCG713

VEVOR Deionized Water System PRS-XCG713 User Manual

Model: PRS-XCG713

1. INTRODUCTION

The VEVOR Deionized Water System is designed to provide spot-free rinsing for vehicles, RVs, motorcycles, windows, and other surfaces. By removing dissolved minerals and ions from water, it eliminates water spots upon drying, reducing the need for manual wiping and saving time and effort. This manual provides essential information for the safe and effective use and maintenance of your deionized water system.



Figure 1: VEVOR Deionized Water System in use for a spot-free car wash.

2. WHAT'S IN THE BOX

Carefully unpack the box and ensure all items listed below are present and undamaged. If any items are missing or damaged, please contact VEVOR customer support.

- 1 x Water Deionizer (with 5L mixed-bed resin pre-installed)
- 1 x Set of Assembly Accessories

- 1 x Carry Handle
- 1 x Protective Sleeve
- 1 x TDS Meter
- 1 x Thread Seal Tape
- 1 x User Manual

Provide Ample Deionized Water

Test under flow rate 1.3 GPM

Water Filtration	TDS
650 gal / 2400 L	50 ppm
220 gal / 830 L	150 ppm
200 gal / 750 L	200 ppm
100 gal / 400 L	300 ppm
60 gal / 250 L	500 ppm

* Actual number of uses may vary based on water quality and water flow rate.



Recommended Rinse
Water Usage:



Car | Approximately
4-5 gallons per wash



RV | Approximately
15-20 gallons per wash

Figure 2: Contents of the VEVOR Deionized Water System package.

3. SETUP INSTRUCTIONS

The VEVOR Deionized Water System is designed for user-friendly setup. Follow these steps to prepare your system for use:

1. **Attach Carry Handle:** Securely attach the provided carry handle to the top of the deionizer unit. This handle aids in portability.
2. **Apply Protective Sleeve:** Place the protective sleeve around the deionizer tank. This helps protect the unit during use and transport.
3. **Connect Hoses:** Identify the inlet and outlet ports on the deionizer. Use the appropriate US or EU standard connectors and thread seal tape to connect your water source (e.g., garden hose) to the inlet and your spray nozzle or pressure washer to the outlet. Ensure all connections are tight to prevent leaks.
4. **Initial Flush:** Before first use, run regular tap water through the system for a few minutes to flush out any loose resin particles.

Carry Handle for Effortless Mobility



Figure 3: The integrated carry handle allows for easy portability of the system.

4. OPERATING INSTRUCTIONS

The VEVOR Deionized Water System is intended for the **final rinse stage only** to achieve a spot-free finish. Do not use deionized water for initial washing or soap application.

1. **Pre-Rinse:** First, rinse your car or surface thoroughly with regular tap water to remove loose dirt and debris.
2. **Wash:** Apply your preferred car wash soap using regular tap water.
3. **Initial Rinse:** Rinse off all soap residue from the car with regular tap water.
4. **Final Deionized Rinse:** Connect the VEVOR Deionized Water System for the final rinse. Use a fine mist of deionized water to thoroughly rinse the entire surface. Ensure complete coverage.
5. **Air Dry:** After the final deionized rinse, allow the car or surface to air dry naturally. No wiping is required, and the surface will dry spot-free.

Spotless Car Washing

⚠ For final stage after car washing

1 Use regular water to wash your car



Wash the car with regular water



Then fill the soap bucket with unfiltered water



Rinse the soap from the car with tap water

2 Utilize the deionized system for the final rinse



For a spotless finish, use a fine mist of mixed-bed DI water for the final rinse. This crucial step ensures a spot-free shine and extends the resin filter life.

Figure 4: Step-by-step guide for spotless car washing using the deionized water system.

Water Capacity and Usage

The system contains 5L of premium mixed-bed resin. Under average water conditions (200 ppm TDS), it delivers up to 200 Gallons (757 L) of purified water. Actual capacity may vary based on your local water's Total Dissolved Solids (TDS) level and flow rate.

- **Car Wash:** Approximately 4-5 gallons per wash.
- **RV Wash:** Approximately 15-20 gallons per wash.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your VEVOR Deionized Water System.

TDS Meter Usage

The included TDS meter allows you to monitor the water quality. Periodically test the TDS level of the water exiting the deionizer. For optimal spot-free results, the TDS reading should be below 15 ppm. Acceptable results can be achieved between 15-50 ppm. If the reading is above 50 ppm, water spots may appear, indicating the resin is nearing exhaustion.

Resin Replacement

Replacement of the mixed-bed resin is recommended when the TDS meter reads around 30 ppm or higher. The filter tank is designed for convenient resin refilling.

1. **Disconnect System:** Turn off the water supply and disconnect the deionizer from all hoses.
2. **Open Tank:** Carefully unscrew the top of the deionizer tank.
3. **Remove Old Resin:** Dispose of the exhausted resin. Resin is non-hazardous and can typically be disposed of as regular waste per local regulations.
4. **Rinse Tank:** Rinse the inside of the tank thoroughly with clean water.
5. **Add New Resin:** Fill the tank with new mixed-bed deionization resin. Ensure not to overfill.
6. **Reassemble:** Securely screw the top back onto the tank, ensuring the filter housing gasket is properly seated to prevent leaks.
7. **Flush System:** Reconnect the system and flush with regular water for a few minutes to settle the new resin and remove any air.



5L
DI Mixed-Bed Resin

Before

Visible Water Spots
Time-Consuming Wiping
Damage to Paint

After

Spot-Free Shine
No Wiping Needed
Paint-Safe Protection

Figure 5: The 5L mixed-bed resin is crucial for deionization.

6. TROUBLESHOOTING

Refer to the following common questions and solutions for troubleshooting issues with your deionized water system.

Q1: How much DI water can it produce?

Output depends on local water TDS. It is filtered below 15 ppm for spot-free rinsing. Under average 200 ppm water conditions, it delivers up to 200 Gallons (757 L).

Q2: Why are there still water spots after washing?

This is usually due to incorrect use or exhausted resin. It is recommended to use city water at 1-2 GPM and apply DI water only for the final rinse. Check the TDS level of the output water; if it's above 50 ppm, the resin needs replacement.

Q3: What TDS level is needed for spot-free results?

Best results are achieved with TDS below 15 ppm. Acceptable results are between 15-50 ppm. Above 50 ppm, spots may appear.

Q4: When should the resin be replaced?

Replacement is recommended when the TDS meter reads around 30 ppm.

Q5: How should used resin be disposed of?

Resin is non-hazardous. Dispose of it as regular waste per local regulations.



Item Model Number: **PRS-XCG713**
Rated Purified Water Output:
200 gal / 757 L (Tested under 200ppm water conditions)
Inlet Hose Diameter: **3/4" NPT (Male Thread)**
Outlet Hose Diameter: **3/4" NPT (Female Thread)**
Mixed-Bed Resin Volume: **1.32 gal / 5L**
Inlet Working Pressure: **3-8.6 MPa**
Working Temperature: **39-111°F / 4-44°C**
Net Weight: **13.56 lbs / 6.15 kg**
Product Dimensions: **7.1 x 7.1 x 15.75 in / 180 x 180 x 400 mm**

Figure 6: Common questions and answers for the VEVOR Deionized Water System.

7. SPECIFICATIONS

Key technical specifications for the VEVOR Deionized Water System PRS-XCG713:

Feature	Specification
Model Number	PRS-XCG713
Rated Purified Water Output	200 gal / 757 L (Tested under 200ppm water conditions)
Inlet Hose Diameter	3/4" NPT (Male Thread)
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Feature	Specification
Mixed-Bed Resin Volume	1.32 gal / 5L
Inlet Working Pressure	3-8.6 MPa
Working Temperature	39-111°F / 4-44°C
Net Weight	13.56 lbs / 6.15 kg
Product Dimensions	7.09 x 7.09 x 15.75 inches (180 x 180 x 400 mm)



Figure 7: Detailed dimensions and specifications of the deionized water system.

8. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your VEVOR Deionized Water System, please refer to the official VEVOR website or contact their customer service directly. Keep your purchase receipt for warranty claims.

VEVOR Official Website: www.vevor.com

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