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VEVOR ED2021

VEVOR Electronic Water Descaler System ED2021

Instruction Manual

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your VEVOR Electronic Water Descaler System, Model ED2021. This device is designed to reduce scale build-up in your plumbing system and appliances by altering the physical properties of hard water minerals without the use of salt or chemicals.



Figure 1: VEVOR ED2021 Electronic Water Descaler System.

2. Safety Information

- Read all instructions carefully before installation and operation.
- Ensure the power supply matches the specifications required by the device.
- Do not immerse the unit in water or expose it to excessive moisture.
- Do not open the device casing. Refer all servicing to qualified personnel.
- Keep the device away from heat sources and direct sunlight.
- Ensure all connections are secure before powering on the unit.

3. Package Contents

Verify that all items are present in the package:

- 1 x VEVOR Electronic Water Descaler System (Model ED2021)

- 4 x Cable Ties
- 4 x M4*25 Screws

4. Installation

The VEVOR ED2021 is designed for easy installation without requiring plumbing modifications. It should be installed at the inlet of the main water line to protect all downstream water equipment.

4.1 Mounting the Unit

1. Choose a suitable location near your main water pipe, ensuring it is dry and protected from direct water exposure.
2. Use the provided M4*25 screws to securely mount the descaler unit to a wall or stable surface.



Figure 2: Descaler unit mounted and ready for coil installation.

4.2 Wrapping the Coils

The descaler operates by wrapping two coils around the water pipe. Ensure the coils are wrapped snugly against each other, leaving no space between wraps.

1. Identify the red and blue coils connected to the descaler unit.
2. Wrap the full length of each coil around the pipe in their respective directions. Refer to the diagram below for two common scenarios:
    - **Scenario 1:** Wrap the red coil UNDER the pipe, then wrap the blue coil OVER the pipe.
    - **Scenario 2:** Wrap the red coil OVER the pipe, then wrap the blue coil UNDER the pipe.
3. Secure the ends of the coils with the provided cable ties to prevent unraveling.



Figure 3: Coil wrapping scenarios.

4.3 Pipe Compatibility

The VEVOR ED2021 is compatible with various types of plumbing pipes, including:

- Brass Pipe
- Copper Pipe
- Galvanized Pipe

- PVC Pipe
- Cast Iron Pipe
- Stainless Steel Pipe
- PEX Pipe



Figure 4: Compatible pipe materials.



Figure 5: Example installation with a water heater and filter.

5. Operation

The VEVOR ED2021 operates by generating an electric pulse that alters the physical properties of scale-forming mineral crystals in the water. This process makes the mineral particles loose and less likely to adhere to pipe surfaces and appliance components.

5.1 Initial Use

Once installed and powered on, the device begins to work immediately. Noticeable reduction in scale build-up typically occurs after a few weeks of continuous use, as existing scale may gradually loosen and new scale formation is inhibited.



Figure 6: Scale reduction mechanism (Before and After).

5.2 Water Hardness and TDS Levels

The system is suitable for water hardness levels below 25 GPG (Grains Per Gallon) and a maximum Supported Water TDS (Total Dissolved Solids) Level of 427 PPM (Parts Per Million).

5.3 Whole House Application

When installed at the main water inlet, the descaler can benefit various water-using appliances throughout your home, including water heaters, dishwashers, washing machines, and faucets.



Item Model Number：	**ED2021**
Rated Power：	**1.8 W**
Max. Water Hardness：	**25 GPG**
Gauss Value：	**1.3 G (red and blue coils) wrapped 29 times, 3/4" plastic pipe**
Scale Prevention Efficiency：	**11%**
Product Dimensions：	**7.87" x 3.74" x 1.97" / 200 x 95 x 50 mm**
Product Weight：	**1.32 lbs / 0.6 kg**
Accessories：	**Instruction Manual x 1, Cable Tie x 4, M4*25 Screw x 4**

Figure 7: Whole house application diagram.

6. Maintenance

The VEVOR ED2021 Electronic Water Descaler System is designed to be maintenance-free. It does not require salt replacement, cleaning, or other regular servicing. Its durable construction is intended for a lifespan of over 10 years.



Figure 8: Salt-free descaler system benefits.

7. Troubleshooting

If you encounter issues with your VEVOR ED2021, consider the following:

- **No Power:** Ensure the power adapter is securely plugged into both the descaler unit and a functional electrical outlet. Check for any tripped circuit breakers.
- **No Noticeable Effect:** The descaling process takes time. Allow several weeks for the system to show noticeable results. Ensure the coils are wrapped snugly and correctly around the pipe as per installation instructions. Verify your water hardness and TDS levels are within the specified operating range (below 25 GPG and 427 PPM TDS).
- **Unusual Noises or Odors:** Disconnect power immediately and contact VEVOR customer support.

8. Specifications



Figure 9: Product dimensions and specifications.

Feature	Specification
Item Model Number	ED2021
Rated Power	1.8 W
Max. Water Hardness	25 GPG
Supported Water TDS Level Maximum	427 PPM
Gauss Value (Coils)	1.3 G (red and blue coils wrapped 29 times, 3/4" plastic pipe)
Scale Prevention Efficiency	11%
Product Dimensions	7.87" x 3.74" x 1.97" (200 x 95 x 50 mm)
Product Weight	1.32 lbs (0.6 kg)

Feature	Specification
Power Source	Corded Electric
Installation Type	Under Sink (or wall-mounted near pipe)

9. Warranty and Support

For warranty information, technical assistance, or any questions regarding your VEVOR Electronic Water Descaler System, please contact VEVOR customer support through their official channels. Keep your purchase receipt as proof of purchase for warranty claims.

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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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