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VEVOR 22L

VEVOR 22L Sonic Cleaner Instruction Manual

Model: 22L

1. Introduction

This manual provides essential information for the safe and efficient operation of your VEVOR 22L Sonic Cleaner. This professional digital ultrasonic cavitation machine is designed for thorough cleaning of various items, including lab tools, metal parts, carburetors, brass, auto parts, and engine components. Please read this manual carefully before use and retain it for future reference.

2. Safety Instructions

To ensure safe operation and prevent damage to the unit or injury, always follow these safety precautions:

- Always connect the unit to a grounded power outlet.
- Do not operate the unit without liquid in the tank. Ensure the liquid level is between the MIN and MAX marks.
- Do not immerse the main unit in water or other liquids.
- Keep the unit away from children.
- Use appropriate cleaning solutions for the items being cleaned. Avoid flammable, corrosive, or abrasive solutions.
- Do not touch the tank or solution when the heating function is active, as temperatures can reach up to 110°C. Use protective gloves.
- Unplug the unit from the power source before cleaning, maintenance, or when not in use.
- Ensure proper ventilation during operation, especially when using chemical cleaning agents.
- Avoid placing heavy objects on the lid or inside the tank.
- If the unit shows signs of damage or malfunction, discontinue use immediately and contact customer support.

3. Product Overview and Components

The VEVOR 22L Sonic Cleaner is equipped with advanced features for efficient cleaning. Familiarize yourself with its main components:

- **Stainless Steel Inner Tank:** Durable and corrosion-resistant tank for holding cleaning solution.
- **Stainless Steel Basket:** Used to hold items during cleaning, preventing them from resting directly on the tank

bottom.

- **Control Panel:** Features rotary knobs for setting temperature and time.
- **Drainage Port:** For convenient draining of used cleaning solution.
- **Portable Handles:** For easy transportation of the unit.
- **Ultrasonic Transducers:** Generate high-frequency sound waves for cavitation.
- **Heating Elements:** For warming the cleaning solution to enhance cleaning effectiveness.



Figure 3.1: Main components of the VEVOR 22L Sonic Cleaner.



Figure 3.2: Detailed view of user-friendly features including the control panel.

4. Setup

1. **Unpacking:** Carefully remove the ultrasonic cleaner and all accessories from the packaging. Inspect for any damage.
2. **Placement:** Place the unit on a stable, level, and heat-resistant surface. Ensure there is adequate ventilation around the unit.
3. **Fill Tank:** Pour the appropriate cleaning solution into the stainless steel inner tank. Ensure the liquid level is above the MIN mark but below the MAX mark. Do not overfill.
4. **Connect Power:** Plug the power cord into a grounded electrical outlet.

▶ **Watch video online**
VEVOR Ultrasonic Cleaner

Video 4.1: A short overview demonstrating the VEVOR Ultrasonic Cleaner's features and operation, including filling the tank and setting controls.

5. Operation

Follow these steps to operate your VEVOR 22L Sonic Cleaner:

1. **Prepare Items:** Place the items to be cleaned into the stainless steel basket. Ensure items are not touching each other or the bottom of the tank directly.
2. **Place Basket:** Carefully lower the basket with items into the cleaning solution.
3. **Set Temperature (Optional):** If heating is desired, turn the "HEATING" knob to set the desired temperature (0-110°C). Heating the solution can improve cleaning efficiency, especially for heavy grease.
    - Watches / Electronics: 30-40°C
    - Jewelry: 40-50°C
    - Heavy Oil Industrial Parts: 60-110°C
4. **Set Cleaning Time:** Turn the "ULTRASONIC" knob to set the desired cleaning time (0-30 minutes). The unit will automatically shut off after the set time.
5. **Start Cleaning:** The ultrasonic cleaning process will begin. You may hear a buzzing sound, which is normal.
6. **Monitor Process:** Observe the cleaning process. For heavily soiled items, multiple cycles or repositioning of

items may be necessary.

7. **Finish Cleaning:** Once the cycle is complete, carefully lift the basket out of the tank. Use protective gloves if the solution is hot.
8. **Rinse and Dry:** Rinse the cleaned items with clean water and dry them thoroughly.

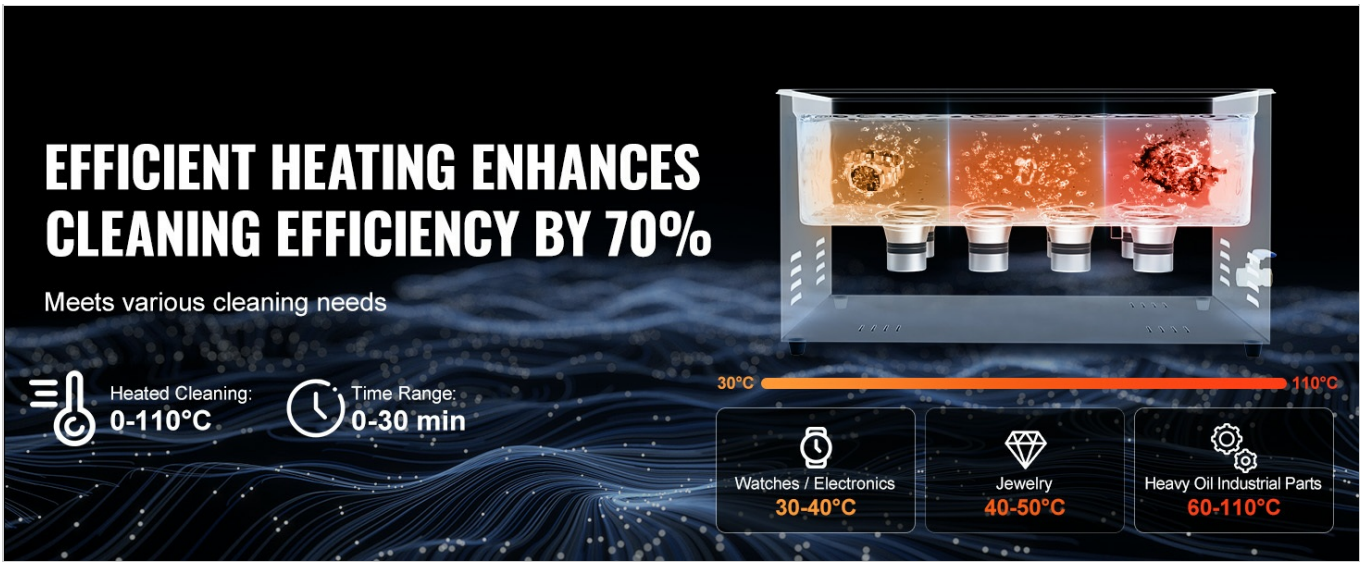

Figure 5.1: Recommended temperature settings for various cleaning applications.



Figure 5.2: Example of cleaning effectiveness on a watch.

6. Maintenance

Proper maintenance ensures the longevity and optimal performance of your ultrasonic cleaner:

- **Draining Solution:** After each use, especially with dirty solutions, drain the tank using the drainage port.
- **Cleaning Tank:** Wipe the inner tank with a soft cloth. For stubborn residue, use a mild cleaner and rinse thoroughly. Do not use abrasive cleaners.
- **Exterior Cleaning:** Clean the exterior of the unit with a damp cloth. Avoid getting water into the control panel or electrical components.
- **Storage:** Store the unit in a cool, dry place when not in use. Ensure the tank is empty and dry.
- **Regular Inspection:** Periodically check the power cord for any signs of damage.

7. Troubleshooting

Refer to the table below for common issues and their solutions:

Problem	Possible Cause	Solution
Unit does not power on.	No power supply; power cord loose; fuse blown.	Check power connection; ensure outlet is functional; check and replace fuse if necessary (refer to safety instructions).
Ultrasonic function not working.	No liquid in tank; timer not set; malfunction.	Ensure tank is filled with liquid; set the timer; if problem persists, contact support.
Heating function not working.	Temperature knob not set; malfunction.	Set the temperature knob; if problem persists, contact support.
Poor cleaning results.	Incorrect cleaning solution; insufficient cleaning time/temperature; items overloaded.	Use appropriate solution; increase time/temperature; clean items in smaller batches.
Unit is excessively noisy.	Normal operation sound; items touching tank bottom.	A buzzing sound is normal. Ensure items are in the basket and not directly on the tank bottom.

8. Specifications

Feature	Detail
Model	22L
Ultrasonic Power	480W
Heating Power	600W
Frequency	40kHz
Capacity	22L
Temperature Range	0-110°C
Control Time	0-30 minutes
Product Dimensions	20.87 x 12.99 x 10.83 inches
Item Weight	22.8 pounds
Inner Tank Material	304 Stainless Steel



Figure 8.1: Key technical specifications and physical dimensions.

9. Warranty and Support

VEVOR products are designed for reliability and performance. For warranty information, returns, or technical support, please refer to the purchase documentation or contact VEVOR customer service directly. Keep your proof of purchase for any warranty claims.

For further assistance, visit the official VEVOR website or contact their support team through the details provided with your product packaging.

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