AGAGA 30L 600W

AGAGA 30L 600W Digital Ultrasonic Cleaner Instruction Manual

Model: 30L 600W

1. INTRODUCTION

Thank you for choosing the AGAGA 30L 600W Digital Ultrasonic Cleaner. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your ultrasonic cleaner. Please read this manual thoroughly before using the device and retain it for future reference.
This ultrasonic cleaner is designed for effective cleaning of various items, utilizing high-frequency sound waves to create cavitation bubbles that dislodge contaminants from surfaces. It features a heated tank, digital timer, and temperature control for precise cleaning cycles.

2. SAFETY INSTRUCTIONS

Failure to follow these safety instructions may result in injury or damage to the unit.

- Do not run the machine continuously for more than 30 minutes at a time to prevent overheating.

- Never operate the machine without sufficient fluid in the tank. Ensure the water level is above the minimum fill line and not higher than the water mark.

- Always place cleaning items into the cleaning basket before immersing them in the tank. This protects both the items and the tank from direct contact and potential damage.

- Do not spray water or any liquid directly onto the device's exterior or the control panel.

- Keep the machine clean and disconnect the power cord when not in use.

- Avoid operating the machine in high-temperature environments, as this may damage electronic components and circuits. Keep away from heat sources.

- Store the machine in a dry environment to prevent moisture damage.

- After use, allow the machine to cool, drain the tank, and store it in its original packaging or a protective cover to prevent dust and moisture accumulation.

- Ensure the power supply matches the voltage requirements specified on the unit.

- Do not attempt to disassemble or repair the unit yourself. Contact qualified service personnel for assistance.
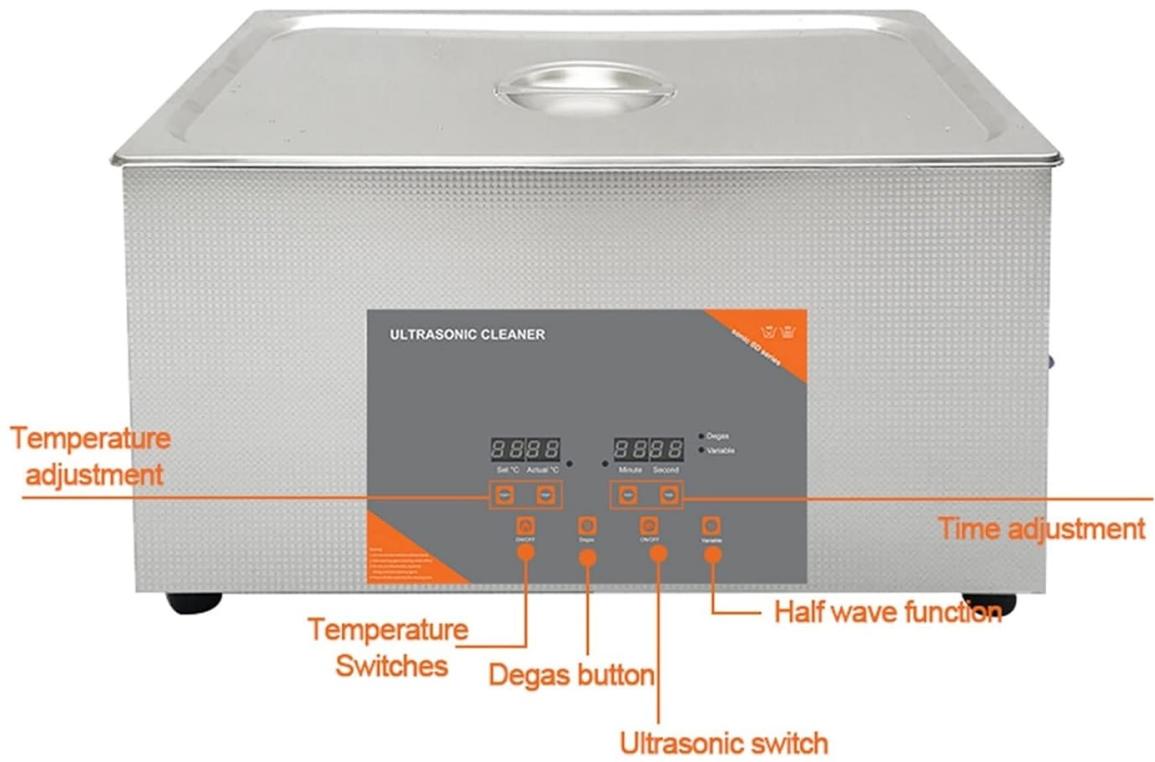
3. PRODUCT OVERVIEW

The AGAGA 30L 600W Digital Ultrasonic Cleaner is constructed from durable 304 stainless steel and features a user-friendly digital control panel. Key components and features are illustrated below.

Figure 3.1: Main Components of the Ultrasonic Cleaner
This diagram highlights the industrial shock head, 304 stainless steel lid, nickel-plated metal handle, metal drain valve, 304 material one-piece molded inner tank, 304 stainless steel cleaning basket, rounded corners for safety, and the spare fuse compartment.

Figure 3.2: Digital Control Panel
The control panel features digital displays for temperature and time, along with dedicated buttons for temperature adjustment, time adjustment, Degas function, and the Ultrasonic switch.

Figure 3.3: Key Functions
The unit includes an independent power switch, Degas function, Half Wave function, adjustable time settings, and adjustable temperature settings for versatile cleaning.

Package Contents:

Figure 3.4: Package Contents
The package includes the Ultrasonic Cleaner unit, a stainless steel cover, a cleaning basket, an industrial power cord, and an instruction manual.

- 1 x Ultrasonic Cleaner Unit
- 1 x Cleaning Basket (stainless steel)
- 1 x Stainless Steel Cover
- 1 x Industrial Power Cord
- 1 x Instruction Manual

4. SETUP

1. **Unpack the Unit:** Carefully remove the ultrasonic cleaner and all accessories from the packaging. Inspect for any shipping damage.

2. **Placement:** Place the unit on a stable, level, and dry surface. Ensure there is adequate ventilation around the machine and keep it away from heat sources and direct sunlight.

3. **Fill the Tank:** Open the lid and fill the stainless steel tank with an appropriate cleaning solution or water. Ensure the fluid level is between the 'MIN' and 'MAX' marks. Do not overfill or underfill.

4. **Connect Power:** Plug the industrial power cord into the power inlet on the back of the unit, then plug the other end into a grounded electrical outlet.

5. **Initial Check:** Before placing items, ensure the unit powers on and the digital display illuminates.

5. OPERATING INSTRUCTIONS

1. **Power On:** Flip the independent power switch (usually located on the side or back) to the 'ON' position. The digital display will light up.

2. **Set Temperature:** Use the 'Temperature Adjustment' buttons on the control panel to set the desired cleaning fluid temperature. The unit will begin heating the fluid to the set temperature.

3. **Set Timer:** Use the 'Time Adjustment' buttons to set the desired cleaning cycle duration. The digital timer allows for precise control.

4. **Place Items:** Carefully place the items to be cleaned into the stainless steel cleaning basket. Lower the basket into the tank, ensuring items are fully submerged but not touching the bottom of the tank directly.

5. **Activate Ultrasonic Cleaning:** Press the 'Ultrasonic Switch' button to start the ultrasonic cleaning process. The unit will begin emitting high-frequency vibrations.

6. **Use Degas Function (Optional):** If your cleaning solution is new or has been sitting for a while, press the 'Degas button' to remove dissolved gases. This improves cleaning efficiency.

7. **Use Half Wave Function (Optional):** If available, the 'Half Wave function' can be used for delicate items or specific cleaning requirements. Refer to specific instructions for this mode if present.

8. **Monitor Progress:** The digital display will show the remaining time and current temperature.

9. **End of Cycle:** The unit will automatically stop the ultrasonic process when the timer reaches zero.

10. **Remove Items:** Carefully lift the cleaning basket out of the tank. Rinse the cleaned items with clean water and dry them thoroughly.

11. **Drain Tank:** After cleaning, turn off the unit. Use the metal drain valve to empty the cleaning fluid from the tank into an appropriate container.

6. MAINTENANCE

- **Regular Cleaning:** After each use, drain the tank and wipe the interior and exterior surfaces with a soft, damp cloth. Do not use abrasive cleaners or solvents.

- **Drying:** Ensure the tank is completely dry before storing the unit to prevent corrosion.

- **Storage:** Store the ultrasonic cleaner in a clean, dry, and dust-free environment. Keep the lid closed to prevent dust accumulation.

- **Power Cord:** Regularly inspect the power cord for any signs of damage. If damaged, replace it immediately with an approved cord.

- **Fuse Replacement:** If the unit fails to power on, check the spare fuse compartment (refer to Figure 3.1). Replace the fuse with one of the same rating if necessary.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Unit does not power on.	No power supply; Power switch off; Blown fuse.	Check power cord connection and outlet; Ensure power switch is ON; Replace fuse if blown.
Ultrasonic function not working.	Ultrasonic switch not pressed; Insufficient fluid in tank.	Press the 'Ultrasonic Switch'; Ensure fluid level is correct.
Poor cleaning results.	Incorrect temperature/time settings; Inappropriate cleaning solution; Overloaded tank; Items not fully submerged; Degas function not used.	Adjust temperature and time; Use suitable cleaning solution; Do not overload; Ensure items are submerged; Use Degas function for new solutions.
Heating function not working.	Temperature setting too low or off; Heating element malfunction.	Increase temperature setting; If problem persists, contact support.
Unusual noise during operation.	Unit not on a stable surface; Internal component issue.	Ensure unit is on a stable, level surface; If noise is excessive or unusual, discontinue use and contact support.

If you encounter problems not listed here or if the suggested solutions do not resolve the issue, please contact AGAGA customer support for assistance.

8. SPECIFICATIONS

- **Model:** 30L 600W
- **Item Model Number:** 125682613
- **Capacity:** 30 Liters
- **Ultrasonic Power:** 600W
- **Heating Power:** 600W
- **Ultrasonic Frequency:** 40KHz
- **In-tank Dimensions (L x W x H):** 500mm x 300mm x 200mm
- **Product Dimensions (L x W x H):** 530mm x 325mm x 325mm
- **Material:** 304 Stainless Steel
- **Functions:** Digital Timer, Adjustable Temperature, Degas Function, Half Wave Function
- **Manufacturer:** AGAGA
- **Country of Origin:** China

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact your retailer or the manufacturer directly. Please have your model number (30L 600W) and item model number (125682613)

available when contacting support.