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Kendal 2L with Digital Timer&Heater

Kendal 2L Ultrasonic Cleaner User Manual

Model: 2L with Digital Timer&Heater

Brand: Kendal

INTRODUCTION

This manual provides comprehensive instructions for the safe and effective operation, maintenance, and troubleshooting of your Kendal Commercial Grade 2L Ultrasonic Cleaner. Please read this manual thoroughly before using the appliance to ensure optimal performance and longevity.



Image: The Kendal 2L Ultrasonic Cleaner, showcasing its stainless steel body, blue digital control panel, included cleaning basket, and power cord.

SAFETY INFORMATION

Adhering to these safety guidelines is crucial for preventing damage to the unit and ensuring user safety.

- **Warning:** Do not plug in the power source before filling or emptying the tank. Ensure the tank is adequately filled with liquid before operation.
- **Warning:** Do not operate the heating function without water in the tank. Always supervise the unit when heating.
- Always power off the machine and allow the water to reach a normal temperature before draining the tank.
- Avoid using strong corrosive solutions to clean articles, as this may damage the tank or the items.
- Operate the unit within the recommended temperature range of 20°C to 80°C (68°F to 176°F).
- **Warning:** Never start the machine with an empty tank.
- Prolonged operation with insufficient water can lead to overheating, potentially damaging the unit or the items being

cleaned. If long operation is required, periodically turn off and unplug the machine to allow it to cool.

- Turn off the heating function immediately after use.
- If the overheating protection activates, the cleaner will stop. Unplug the machine and wait for 15 minutes before attempting to restart it.

PRODUCT OVERVIEW

Key Features

- **Deep Cleaning Power:** Equipped with 2 strengthened transducers for powerful 42 KHz ultrasonic cleaning, effectively removing oils, dirt, and grime. Ultrasonic power: 120 Watts.
- **Generous Tank Capacity:** 2-liter tank suitable for various items. Tank dimensions: 6" (L) x 5.5" (W) x 4" (H).
- **Integrated Heater:** A 150-watt heater quickly reaches preset temperatures, enhancing cleaning for oil and wax.
- **Digital Control:** Features digital program cleaning cycles from 1 to 99 minutes and temperature control from 20°C to 80°C (68°F to 176°F).
- **Durable Construction:** Made entirely of 304 stainless steel (body, tank, cover, and mesh basket) for anti-acid and alkaline resistance, ensuring long-term durability.
- **User-Friendly Design:** Includes comfortable plastic handles for easy movement and a mesh basket to safely hold items during cleaning.
- **Noise Reduction:** Built-in sound-absorbing cotton and an integrated sealed shell design contribute to noise reduction.

Components

Front View



Back View



Intuitive Digital Controls
Convenient, Efficient and Safe Operation.



Air Inlet & Outlet
Make heat dissipation for internal components so as to guarantee the device a long service life.

Plastic Handle
Comfortable for moving the device even it is full of heavy solution



1 Power Switch
2 Fuse in Use
3 Power Socket



Image: Detailed views of the ultrasonic cleaner, showing the intuitive digital controls on the front panel and the power switch, fuse, and power socket on the back. Air inlets and outlets for heat dissipation are also visible.

- Ultrasonic Cleaner Body (Stainless Steel)
- Stainless Steel Lid
- Stainless Steel Mesh Basket
- Power Cord
- Digital Control Panel (Timer and Temperature)
- Power Switch (Rear)
- Fuse (Rear)
- Power Socket (Rear)

Specifications

Specification	Value
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Specification	Value
Ultrasonic Power	120 Watts
Heating Power	150 Watts
Ultrasonic Frequency	40 KHz
Tank Capacity	2 Liters (0.52 Gallons)
Tank Dimensions (L x W x H)	6" x 5.5" x 4"
Overall Product Dimensions (L x W x H)	6.89" x 6.3" x 8.27"
Weight	9 Pounds
Temperature Range	20°C - 80°C (68°F - 176°F)
Timer Settings	1 - 99 minutes
Power Supply	AC 100-120V 40 HZ
Construction Material	304 Stainless Steel

Digital Displays Control Series

Ultrasonic Power

Heats Power

Frequency

**2L/
0.52 gal
Capacity**

Heating to Clean Oil, Wax

Strong Basket

**0-99 Mins
Tine Setting**



Image: A visual representation of the ultrasonic cleaner's dimensions (6.89in, 6.3in, 8.27in) and key specifications including 120W Ultrasonic Power, 100W Heat Power, 40 KHz Frequency, and 2L/0.52 gal Capacity.

ultrasonic cleaners range from
2L (0.52 gal)
please choose the right model based
on the sizes of stuffs to be cleaned.



Image: A close-up view of the ultrasonic cleaner's internal tank, illustrating its dimensions: 5.9 inches in length, 3.93 inches in width, and 5.3 inches in height. This helps users choose the right model based on item size.

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 dry surface, away from direct sunlight and heat sources. Ensure adequate ventilation around the unit.
3. **Fill Tank:** Open the lid and fill the stainless steel tank with an appropriate cleaning solution or water. Do not exceed the maximum fill line. Ensure the tank is filled before plugging in the unit.
4. **Connect Power:** Plug the power cord into the power socket on the back of the unit, then plug the other end into a grounded electrical outlet (AC 100-120V 40 HZ).
5. **Initial Power On:** Flip the main power switch located on the back of the unit to the "ON" position. The digital display should illuminate.

General Operation

1. **Prepare Items:** Place the items to be cleaned into the mesh basket. Ensure items are fully submerged in the cleaning solution without overcrowding.
2. **Set Temperature (Optional):** If heating is desired, use the temperature control buttons on the digital panel to set the desired temperature (20°C - 80°C). The heater will begin to warm the solution.
3. **Set Timer:** Use the timer control buttons on the digital panel to set the desired cleaning cycle duration (1 - 99 minutes).
4. **Start Cleaning:** Press the "ON/OFF" or "Start" button (refer to your specific model's button labels if different) to begin the ultrasonic cleaning process. The unit will emit a humming sound.
5. **Monitor Process:** Allow the cleaning cycle to complete. The unit will automatically stop when the timer reaches zero.
6. **Remove Items:** Once the cycle is complete, turn off the unit and carefully remove the mesh basket with the cleaned items. Rinse items thoroughly with clean water if necessary.
7. **Power Off:** Turn off the main power switch on the back of the unit when not in use.

Cleaning Applications

The Kendal Ultrasonic Cleaner is suitable for a wide range of applications, including:

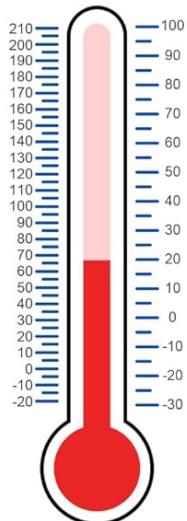
Usage scenario



Image: A visual guide to typical usage scenarios for the ultrasonic cleaner, depicting items such as jewelry, watches, handguns, tool knives, glasses, circuit boards, metal parts, and ceramic items.

- **Jewelry & Watches:** Rings, necklaces, earrings, bracelets, waterproof watches.
- **Optical Equipment:** Glasses, sunglasses, contact lens accessories.
- **Scientific & Medical Instruments:** Lab instruments, dental tools, surgical instruments.
- **Electronics:** PCBs, electronic components.
- **Automotive & Industrial Parts:** Small engine parts, carburetors, gun parts, bearings.
- **Household Items:** Razors, dentures, mouth guards, coins, CDs/DVDs.

Note: A certain amount of detergent is necessary to improve cleaning effect, especially for degreasing and dewaxing. The best cleaning temperature for degreasing and dewaxing is typically between 20°C and 80°C (68°F and 176°F).



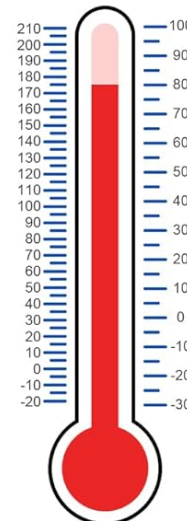
20°C/176°F

Degrease & Dewax

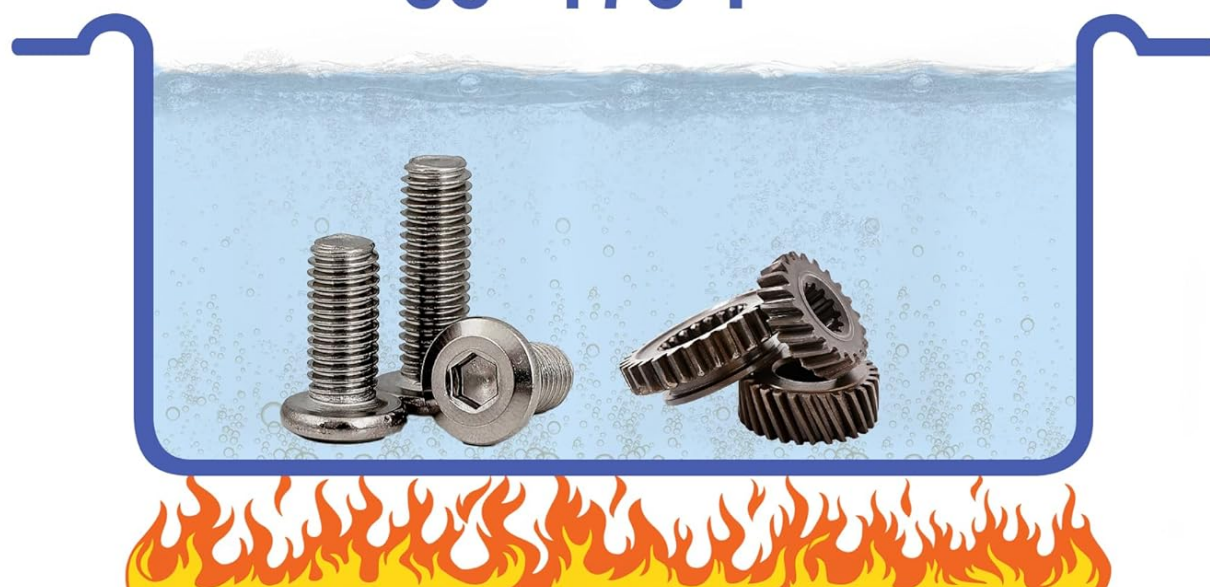
Heating function can be used to degrease and dewax.
Especially, the best cleaning temperature is.

20~80°C

68~176°F



80°C/176°F



NOTE: A certain amount of detergent is necessary to improve cleaning effect.

Image: An illustration demonstrating the degreasing and dewaxing function, indicating that the heating function can be used for these purposes. The optimal temperature range is shown as 20°C to 80°C (68°F to 176°F).

MAINTENANCE

Cleaning the Unit

1. **Drain Tank:** After each use, especially with cleaning solutions, turn off the unit and unplug it. Allow the solution to cool to a safe temperature before draining.
2. **Wipe Down:** Use a soft cloth to wipe the inside of the tank and the exterior of the unit. Avoid abrasive cleaners or harsh chemicals.
3. **Dry Thoroughly:** Ensure the tank and exterior are completely dry before storing the unit.

Storage

Store the ultrasonic cleaner in a cool, dry place, away from direct sunlight and extreme temperatures. Keep the lid closed to prevent dust accumulation.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on.	Power cord not properly connected; Main power switch is off; Blown fuse; No power from outlet.	Ensure power cord is securely plugged in. Turn on the main power switch on the back. Check and replace the fuse if necessary. Test the outlet with another appliance.
Ultrasonic function not working.	Timer not set; Insufficient water in tank; Overheating protection activated.	Set the timer. Ensure the tank is filled to the appropriate level. If overheating protection is active, unplug the unit and wait 15 minutes before restarting.
Heating function not working.	Heating function not activated; Insufficient water in tank; Overheating protection activated.	Ensure the heating function is turned on via the digital controls. Ensure the tank is filled. If overheating protection is active, unplug the unit and wait 15 minutes before restarting.
Poor cleaning results.	Incorrect cleaning solution; Insufficient cleaning time; Overcrowding items; Water temperature too low.	Use an appropriate cleaning solution for the items. Increase cleaning time. Clean fewer items at once. Increase water temperature (within recommended range) for better results, especially for oil/wax.
Unit is excessively noisy.	Normal operation sound; Lid rattling.	A humming sound is normal during ultrasonic operation. Ensure the lid is properly seated; the unit has rubber plates to minimize rattling.

WARRANTY AND SUPPORT

The Kendal Commercial Grade Ultrasonic Cleaner comes with a **one-year warranty** and **lifetime parts support**. For any questions, technical assistance, or warranty claims, please contact customer support through Amazon Buyer-Seller Messaging. We aim to provide a quick reply within 24 hours.

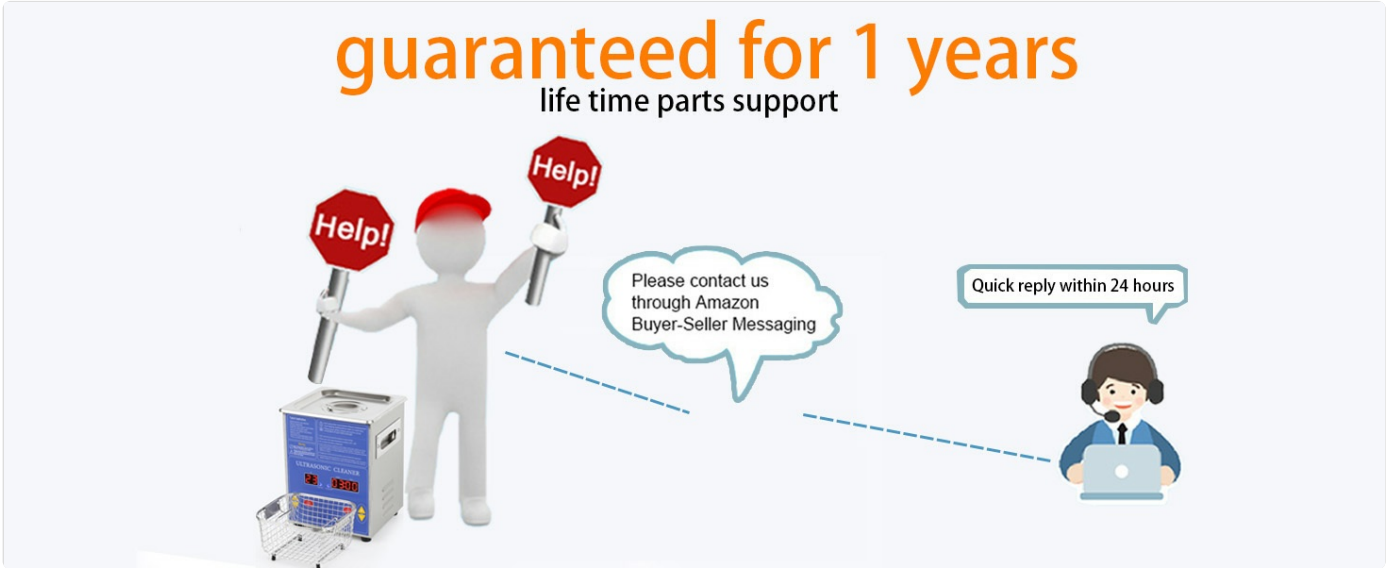








Image: An illustration depicting customer support, emphasizing the one-year warranty and lifetime parts support, with a note about quick replies within 24 hours via Amazon Buyer-Seller Messaging.



Related Documents - 2L with Digital Timer&Heater

	<p>Kendal KZF-1214DF 12" Metal Wood Table Fan User Manual - Safety, Operation, and Maintenance</p> <p>Official user manual for the Kendal KZF-1214DF 12-inch metal wood table fan. Provides detailed instructions on safety, assembly, operation, cleaning, technical specifications, and proper disposal.</p>
	<p>UKOKE 3800S Ultrasonic Cleaner: User Manual, Features, and Safety Guide</p> <p>Comprehensive user manual for the UKOKE 3800S Ultrasonic Cleaner. Learn about its features, specifications, applications, operation, maintenance, and important safety instructions for professional jewelry, eyeglasses, and household cleaning.</p>
	<p>CREWORKS KZ-S10 Ultrasonic Cleaner User Manual</p> <p>Comprehensive user manual for the CREWORKS KZ-S10 Digital Ultrasonic Cleaner, detailing operation, specifications, safety information, maintenance, and troubleshooting.</p>
	<p>ZX-895 Ultrasonic Cleaner Operation Guide</p> <p>A comprehensive guide to operating the ZX-895 Ultrasonic Cleaner, detailing its features, functions, and usage for effective cleaning of jewelry, glasses, and other small items.</p>
	<p>Life Basis CDS-100 Digital Ultrasonic Cleaner User Manual</p> <p>User manual for the Life Basis CDS-100 Digital Ultrasonic Cleaner. Provides detailed information on features, applications, safety precautions, operating instructions, and technical specifications for effective cleaning of various items.</p>
	<p>Life Basis CDS-100 Digital Ultrasonic Cleaner User Manual</p> <p>User manual for the Life Basis CDS-100 Digital Ultrasonic Cleaner, detailing features, safety precautions, applications, operation guidelines, and maintenance.</p>