

LIMPIADOR
ULTRASONIDOS
Instruction Manual

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Application:
Electronic factory, utensil, hardware, machinery, communication, biological,
medical instrument, glasses,Optical, Jewelry, clock, watch, chemical, Textile,
auto part, Ships, aviation, mining area, commercial cleaning.

LIMPIADOR ULTRASONIDOS

PREFACE OF USE

Thank you for purchasing our company's products, this manual is mainly to explain
some necessary precautions during installation and use. Before the operation, Please read
this manual first, in order to fully understand the operating procedures of this product,
please keep the manual for reference anytime. Before connecting the power, please
confirm whether it is within the rated range. Do not modify this product. Please note that
The machine control panel will be affected by organic solvents, strong acid, strong alkali
erosion .This product may cause some interference to some electromagnetic
communication devices, such as mobile phones, Bluetooth, etc. When installing ,pls place
it horizontally, do not cut diagonally, to prevent liquid from flowing out

THE BASIC PRINCIPLE OF ULTRASONIC CLEANING

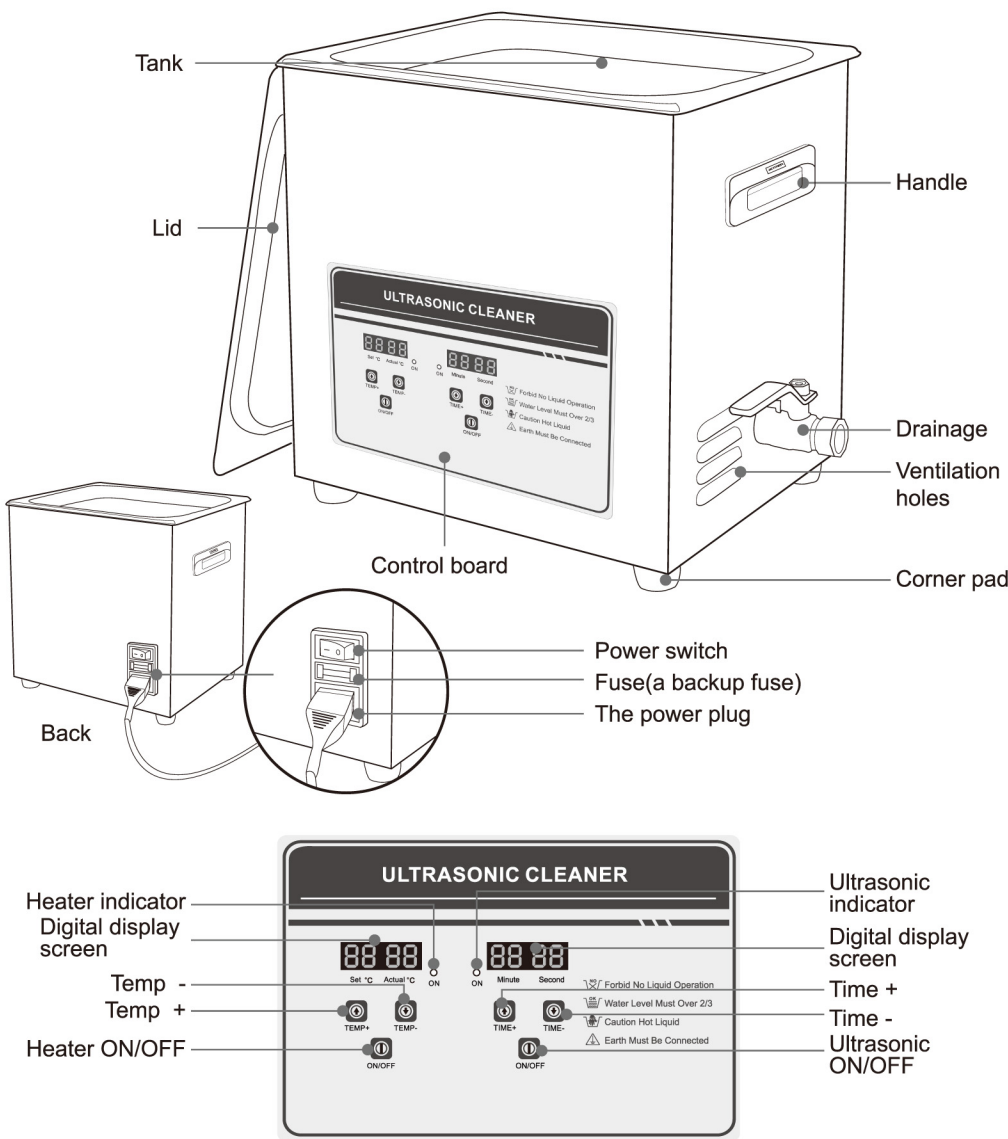
The cleaner uses ultrasonic energy (40 kHz) in the form of sound waves to create millions of tiny
microscopic bubbles in the solution that even works its way into holes and hidden cavities,
loosening dirt on all surfaces that the solution touches. This action called cavitation, occurs
thousands of times per second to gently yet thoroughly scrub contamination off the article being
cleaned. When you lift the item out of the cleaner, it's microscopically clean.

NOTES BEFORE USE

- 1 . Ensure the power supply is in rated range before power cable is connected.Refitting is strictly
prohibited! Attention that the control panel will be eroded by organic solution,strong acid and
strong alkali.
- 2 . Ensure the earth wiring is well connected before starting.
- 3 . Ensure the power key or knob is on the"OFF" place before starting.
- 4 . Do not operate if the tank is empty,or ultrasonic generator will be damaged.If heating is
needed,the water level shouldn,t be less than2/3.
- 6 . Please close the lid to reduce noise and pay attention to water and steam in case of burning
skin while open the lid.
- 7 . Do not relocate the machine when fluid in the tank in case of overflow.
- 8 . Please choose the proper sizes or types of baskets according the object to be cleaned
- 9 . Suggest using water-soluble liquid for benchtop ultrasonic cleaners. Strong acid or
flammability cleaner is forbidden.Donot heat when using flammable liquid such as alcohol,
gasoline, etc., heating is strictly prohibited , ultrasonic vibration for a long time cause temperature
of liquid increase, caution fire!
- 10 . Do not use the machine in severe environment :
The place where temperature changes fiercely; The place where humidity is too high and
is easy to produce dew; The place where vibration or impact is strong; The place where
exists corrosive gas or dust; The place where water, oil or chemicals splash; The place
where is filled with explosive and flammable gas;

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PRODUCT DRAWING&INDICATION



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MAINTENANCE CARD

Table with 4 columns: No, Problems, Possible causes, Solutions, Remarks. It contains a maintenance record table with 12 rows for tracking issues and solutions.

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Table with 10 columns: Model, Frequency (KHz), Transducer (Pcs), Capacity (L), Tank size(mm), Unit size(mm), Heating power (W), Ultrasonic power (W), Time(M), Temperature(°C). It lists specifications for models JP-010S through JP-100S.

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OPERATION STEPS

◆ Before Operating Your Cleaner

- 1. add cleaning liquid
Fill the tank with warm or tap water below the maxline:Add required
quantity of cleaning solution.When using flammable liquid such as
alcohol, gasoline and so on, heating is strictly forbidden!ultrasonic
vibration for a long time cause temperature of liquid increase, caution fire!
- 2. open power
Plug the cleaner into a grounded outlet. Turn on the power switch at the
tank back, then machine is power on,("O" is closed, and "I" is open)

◆ Start ultrasonic cleaning

For the first Boot, time display show setting time at random, press/touch time key
+ one time, "the setting time" on the display increase by 1 minute
correspondingly, Touch time - Key to decrease time setting by 1 minute. Touch
ON/OFF switch after set the time well, ultrasonic indicator turns red and machine
starts working based on specified the parameters, meanwhile timer begin to
count down and stop working until time shows"00:00", automatically.

◆ Heat

For the first boot, the setting temperature on the display is random, and actual
temperature is room temperature. Touch TEMP+ once to increase temperature
by 1℃; Touch TEMP- once to decrease temperature by 1℃. Temperature
display shows setting temperature and actual temperature when heater is
working, the heater indicator goes off when actual temperature reaches setting
temperature.

◆ Power OFF

Press "ON/OFF" to stop working and then cut off the power. empty out the liquid, clean the tank
and the unit with cloth for next use.

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APPLICATION

Full series standard ultrasonic cleaners are made up of high quality stainless steel plate, which is
corrosion resistance and long lifespan, adopt with original South Korea ultrasonic transducer and
advanced adhesive technology, high electro-acoustic conversion efficiency and strong ultrasonic
power output. Equipped with automatic constant temperature heating device, heating range: room
temperature-80℃
Skymen ultrasonic cleaner widely applied to industry of precision electronics, painting, filter
system, watch-clocks, glass, metal, jewelry, and medical instruments deaning etc.

Table with 3 columns: Industry, The cleaning products materials, Cleardirt. It lists various industries and the types of materials they can clean using the ultrasonic cleaner.

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MAINTENANCE

Table with 5 columns: No, Problems, Possible causes, Solutions, Remarks. It contains a troubleshooting guide with 8 rows for common issues and their solutions.

Table with 4 columns: Warnings. It lists four safety warnings: Donot operate when tank is empty, Donot use flammable solution, Please use the ground wire correctly, and Caution pollution when disposal this product.