☐ JP-008 ☐JP-008Plus

Digital ultrasonic Cleaner With Timer Instruction Manual »



The pictures referred to in this manual are for reference only, please refer to the actual product.

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Please scan the code for instructions

Solemnly Declare

It is sorry to that the design and specification of our products are subject tochange without notice.

All information in this manual has been carefully proofread and made every effort to be accurate. We reserve the right to interpret any printing mistakes.

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Ultrasonic cleaner

- Thanks for purchasing this machine.
- Read all instructions before operating the device.
- Please keep the manual for reference.

Cautions

- Ensure the power supply is in rated range before power cable is connected. Refitting is strictly prohibited! Attention that the control panel will be croded by organic solution, strong acid and strong alkali.
- Ensure the earth wiring is well connected before starting.
- Do not turn on machine if the tank is empty or the transducer will be damaged.
- Please close the lid to reduce noise and pay attention to water and steam in case of burning skin while open the lid.
- Do not relocate the machine when fluid in the tank in case of overflow.
- Water-soluble liquid is suggested for bench top ultrasonic cleaner. Strong acid cleaner is strictly forbidden. If solvent type cleaner is added in tank, please stop working for a while after 30mins cycle.
- Do not use the machine in below environment.
  - The place where temperature change fiercely
  - The place where vibration or impact is strong
  - The place where water,oil or chemicals splash
  - The place where humidity is too high and is easy to produce dew.
  - The place where exists corrosive gas or dust
  - The place where is filled with explosive and flammable gas

Do not work for long time when you use flammable liquid like alcohol! You will get better cleaning effect if cleaning solution is added in ultrasonic cleaner.

Application

Glasses and Watch	Jewelry	Commodity
		
Suggested Cleaning time: 1-3min	Suggested Cleaning time: 1-3min	Suggested Cleaning time: 1-3min
Metal parts	**Tableware**	**Mobile repair shop**
		
Suggested Cleaning time: 3-5min	Suggested Cleaning time: 3-5min	Suggested Cleaning time: 3-5min

Product introduction



1. Lid
2. Tank
3. SUS body
4. Plug
5. Basket

(Accessories such as cleaning baskets are shipped randomly and will change due to different production batches.)

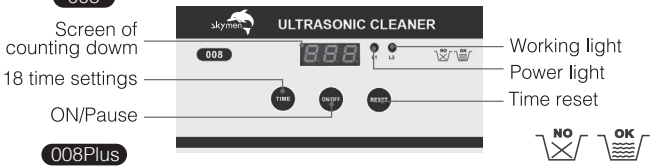
Specifications

Item	Parameter	
Model	JP-008	JP-008 Plus
Tank capacity	0.8L	
Transducer	1PCS (chip)	1PCS (transducer)
Input voltage	☐ AC110–120V 60Hz	☐ AC200–240V 50Hz
Ultrasonic power	35W	50W
Frequency	40KHz	
Tank size	150*85*65mm	
Unit size	178*110*130mm	170*110*140mm

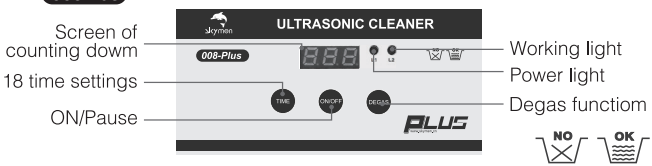
(The size is manual measurement, please refer to the actual product)

The function introduction of operation panel

008



008Plus



Ultrasonic principle

Ultrasonic is the frequency higher than the scope of human ear can hear, beyond the audible range of the acoustic pulse, the waveform travel through liquid to make cavitate and produce vacuum bubbles. High pressure is generated between inside and outside the bubbles, bigger vacuum bubble, higher pressure, stronger impact force when rupture and higher destructive effect. Different frequency is recommend based on different cleaning articles, no damage to objects and excellent cleaning effect. Ultrasonic also can accelerate the chemical reaction rate and improve cleaning effect if add chemicals.

Dirt elimination process

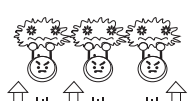
Note: The cleaning effect will be better if put the suitable detergent when to clean.



1.Ultrasonic wave travel through the water and produce millions of small vacuum bubbles.



2.In the effect of ultrasonic, vacuum bubbles will continute to "explode" to impact the contaminant of the surface of cleaned object.



3.Dirt split into small granular from the surface during the high pressure stage and fall into the water.

(This figure only shows the principle of ultrasonic cleaning. The actual tiny bubbles are not visible to the naked eye)

Operation steps



Check the machine

Plug the machine to be sure the machine is power on, in this case the power indicator lights and LED display says “ 300 ”.



Uncover the lip and fill the tank with tap water.

No water operation will damage the machine, please put the cleaning objects in the water. Fully immerse the part to be cleaned in the water, but do not over the MAX line.



Time setting

Press “ TIME ” button to choose the amount of time you wish the items to be cleaned. There are 18 times for option 90s 120s 150s 180s 210s 240s 270s 300s 330s 360s 540s 720s 900s 18M 21M 24M 27M 30M.



Reset

Press “ RESET ” button when setting time or cleaning. Time will reset to “ 300 ” and machine will suspend work.



Degas function

Press “ DEGAS ” button, the machine will work for 9 seconds and stop for 6 seconds.



Finish work

Please do unplug the machine first after working, and then clean the tank. Be sure no liquid is in the tank if need long-term storage.

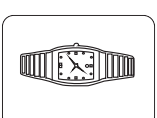
Daily maintenance

- Regular maintenance, electrical control system with high pressure air blow off the dust.
- Clean the tank at least once a week

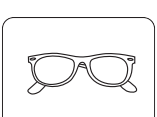
Trouble clearing

No.	Problems	Possible cause	Solutions
1	No ultrasonic	A.Power supply not connect B.Fuse broken C.Cable short circuit D.Transducer short circuit E.PCB Board broken F.Other reasons	A.Check and plug power switch B.Check the fitted power supply and change the same specification fuse C.Connect fitted cable or replace a new D.Inquiry our after service engineer E.Check the broken part and change it F.Inquiry our after service engineer
2	Not well cleaning	A.Not strong ultrasonic cleaning B.Too high too low liquid surface C.Too high too low temperature D.Not suitable cleaning liquid E.Other reasons	A.Connect ultrasonic button and adjust B.Adjust liquid into the best surface C.Adjust the temperature into the most fitted D.Stop and switch off power supply, replace suitable liquid after previous liquid cool down E.Inquiry our after service engineer
3	Electric leakage	A.The equipment ground wire is not connected well. B.The internal live line or neutral line of the equipment falls off	A.Check whether the internal ground wire and power cablegrounding of the device are connected. B.Check if the internal live wire or neutral wire of the machine is fall off.
4	Other problems		

Attentions before cleaning



Watches are precision instruments, it is not recommended to put the whole watch into the water, even if waterproof. You'd better wash it with hand holding or watch bracket. Add a few drops of detergent works better.



The glasses should be placed face up. Only need 1-3mins for cleaning. Add detergent evenly on glasses can work better. For glasses with lens film or frame coating process, please consult the optician to confirm whether it can be used with ultrasonic cleaning to avoid unnecessary losses.



If the jewelry is oxidized, you can kindly use silver washing liquid before ultrasonic cleaning. Add a few drops of detergent works better. (Please confirm the inlay of diamond rings, necklaces are intact and firm, or maybe fall of by the ultrasonic.)