ULTRASONIC CLEANER SKYMEN MANUFACTURE

Professional manufacturer focus on ultrasonic technology R&D

Instruction Manual

The pictures in this manual are for reference only.
Please refer to the real products.

☐ JP-009 ☐ JP-010T ☐ JP-010S

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.

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 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 switch should be placed in the "O" position 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 reauce 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

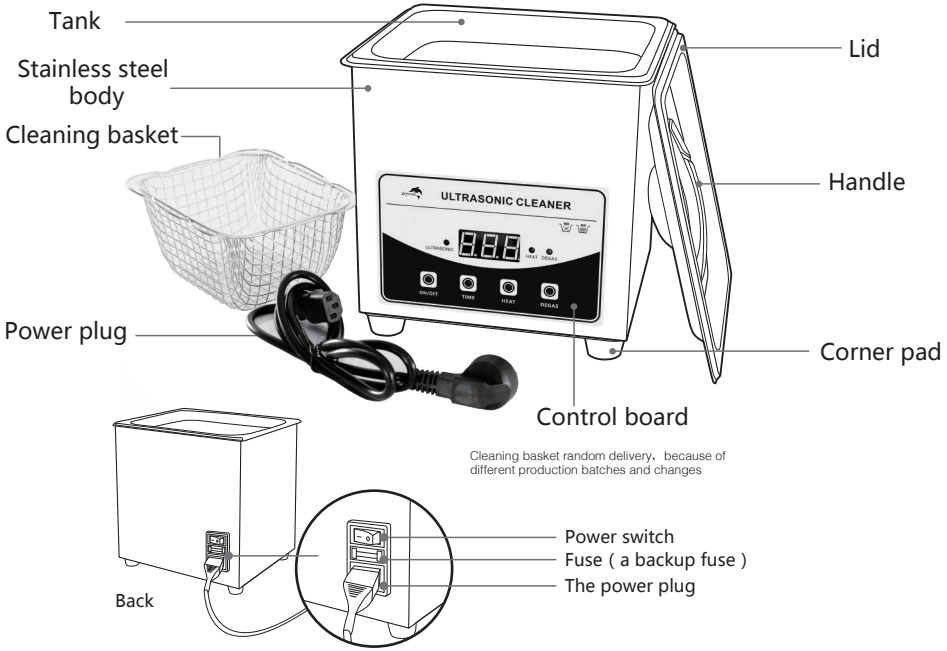
9．Suggest using water-soluble liquid for bentchtop ultrasonic cleaners. Strong acid or flammability cleaner is forbidden.Donot heat when using flammable liquid such as alcohol, gasoline, etc., heating is strictly prohibited , ultrasonic vibration for a long time cause temperature of liquid increase, caution fire!

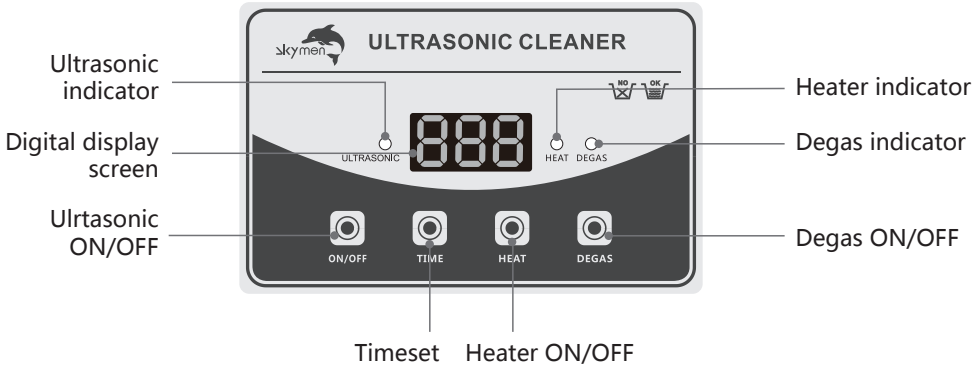
10．Do not use the machine in severe environment：

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;

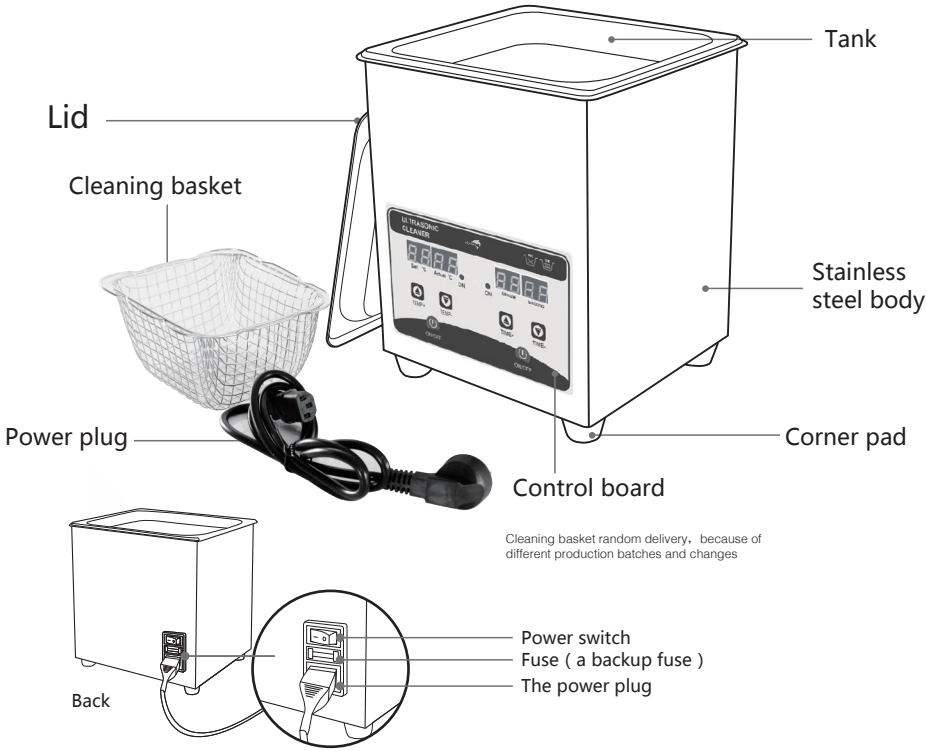
PRODUCT DRAWING&INDICATION

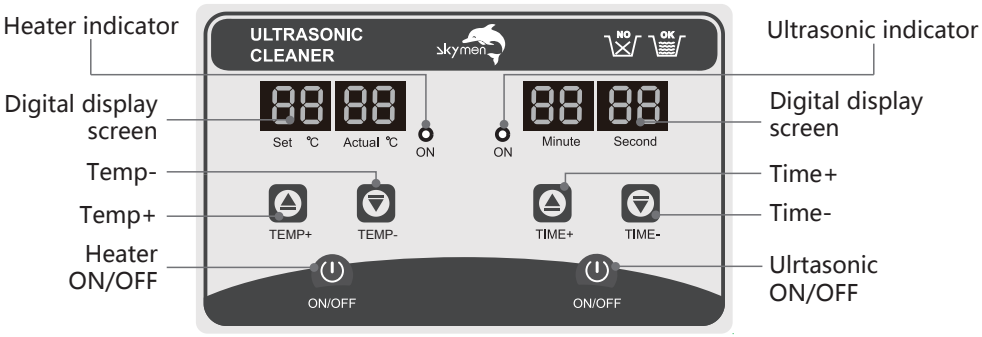
JP-009 JP-010T





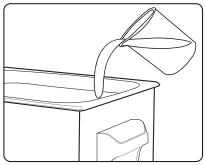
JP-010S


Tank
Lid
Cleaning basket
Stainless steel body
Power plug
Corner pad
Control board
Cleaning basket random delivery，because of different production batches and changes
Power switch
Fuse (a backup fuse)
The power plug
Back


Heater indicator
Ultrasonic indicator
ULTRASONIC CLEANER
Digital display screen
Set ℃
Actual ℃
ON
ON
Minute
Second
Digital display screen
Temp-
Temp+
Heater ON/OFF
TEMP+
TEMP-
TIME+
TIME-
Time+
Time-
Ulrtasonic ON/OFF
ON/OFF
ON/OFF

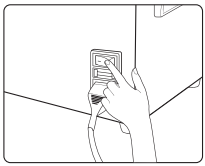
OPERATION STEPS

◆ Before Operating Your Cleaner



1. Add cleaning liquid

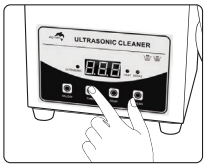
Add appropriate amount of cleaning solution to the cleaning tank according to the cleaning. Ensure that the liquid level is not lower than the inner tank height by 2/3 when the heating is turned on. **Use flammable liquids such as alcohol, gasoline, etc. It is forbidden to heat. Long-term vibration will cause liquid increase in temperature, beware of fire!**



2. Open power

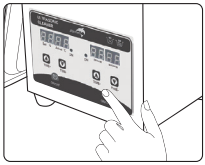
Plug the cleaner into a grounded outlet. Turn on the power switch at the tank back, then machine is power on.("O" is closed, and "—" is open)

◆ Start ultrasonic cleaning



JP-009、JP-010T

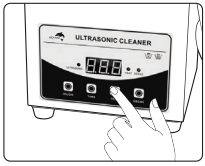
Set the working time, 7 setting times can be chosen: 60s, 180s, 300s, 600s, 30-mins, 60-mins. Touch “ON/OFF” button after set the time well, ultrasonic light will be on and machine starts to work until the default time is over. Touch “ON/OFF” again if need to pause when working.



JP-010S

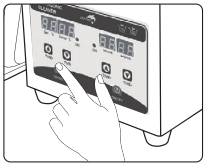
For the first Boot, time display show setting time at random, press/touch time key + one time, ‘’the setting time’’ on the display increase by 1 minute correspondingly, Touch time - Key to decrease time setting by 1 minute. Touch ON/OFF switch after set the time well, ultrasonic indicator turns red and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

◆ Heat



JP-009、JP-010T

Heater light will be on when touch “HEAT”; heater will be automatically off when temperature up to 65℃.Touch the button again if need pause.



JP-010S

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.

◆ DEGAS FUNCTION

This operation is applicable to models with degasification. 010S does not have degasification

Degas light will be on if press”DEGAS”,that is,ultrasonic will work 9 seconds, then pause 6 seconds until the default time is over.

◆ **Power OFF**

DIGITAL SERIES

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.

>>>>>> Product specifications <<<<<<

Model	Frequency (KHz)	Transducer (Pcs)	Capacity (L)	Tank size (mm)	Unit size (mm)	Heating power (W)	Ultrasonic power (W)	Time (M)	Temperature (℃)
JP-009	40	1	1.3	150x135x65	175x160x175	100	60	0~60	room temp~65
JP-010T	40	1	2	150x135x100	175x160x210	100	60	0~60	room temp~65
JP-010S	40	1	2	150x135x100	175x160x210	100	80	0~30	room temp~80

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

APPLICATION

Full series standard ultrasonic cleaners are made up of high quality stainless steel plate, which is corrosion resistance and long lifespan, adopt with high quality 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.

Industry	The cleaning products materials	Cleardirt
Semi-conductor	Integrated circuit, power tube, slicon wafer, diode, lead frame, capillary, tray, etc	Hards, etching oil,stamping oil, pollshing wax, dust partides,etc
Electrical& electronic machine	Tube parts, cathode ray tube, printed circuit board, quartz parts, electronic components, telephone switching equipment, speaker components, power meter, LCD glass, core iron parts, computer floppy disk, vido parts, hoop parts, head, photo die mask,etc	Fingerprint,powder,cutting oil, stamping oil, iron filings, polishing materials, wanut powder, polishing wax, resin, dust etc
Precision machine	Bearing, sewing machine parts, typewriter, textile machine, optical mechanical device, gas valve, watches, cameras, metal filter element,etc.	Machine cutting oil,iron filngs, polishing powder, finger print oil, grease, dirt etc.
Optical device	Glasses, lens prism, optical lens, filter lens, glass device, film, optical fiber, etc.	Plastic, resin, paraffin, finger printing, etc
Hardware & machinery parts	Bearing, gear,bal, metal shaft parts, tools, adjustable valve, and cylinder parts,burner,copm pressors,hydraulic press, gun and ultracentrifuge, city water faucet, etc.	Cutting oil, iron filings,grease polishing powder, finger printing, and so on.
Medical instrument	Medical instrument, denture, etc.	Iron filings,polishing powder, oil, stamping oil, dirt,etc.
Electroplate	Galvanized parts,mold,stamping parts,etc.	Polishing scrap iron,oil,black iron shell,rust,oxidation shell, scrap iron,polishing powder, stamping oil,dirt etc
Car parts	Poston ring,carburetor,flow meter housing,compressor shell,electrical components,etc	Iron filings,polishing powder,oil, stamping oil,dirt,etc
Chemical fiber	Chemical or artificial fiber nozzle filter protector,chemical fiber texture,etc	Chemical colloid,glue,and other solid material,dust,etc

◆ Maintenance

Regularly use high-pressure wind blown away dust for electrical parts Clean the tank at least once a week

◆ Troubleshooting

No	Problems	Possible causes	Solutions	Remarks
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	Time control failure	A.Timer failure B.other reasons	A.Replace timer or digital control panel B.Inquiry our after service engineer	
3	No heating	A.Heater power switch bad linkage B.Fuse burn out C.Heating pad burn out D.Digital display board out of control E.Incorrect temperature setting F.Other reasons	A.Check heating plug and connect well.check outlet line with multimeter:if OK and resistance value is few hundred OHMs. B.Change the same specification fuse C.Replace the bad heating pad if open circuit D.Check the broken part and change it E.The set temperature must be 3°C higher than the actual temperature before heating can be turned on. Please reset the temperature. F.Inquiry our after service engineer	Suggestion 50-60°C
4	Temperature control failure	A.Thermostant loosen B.Thermostat tube broken C.Digital display out of control D.Other reasons	A.Fasten the thermostat header. B.Replace thermostat. C.Check the broken part and change it. D.Inquiry our after service engineer	
5	Not well cleaning	A.too high too low liquid surface B.too high too low temperature C.Not suitable cleaning liquid D.Other reasons	A.Adjust liquid into the best surface B.Adjust temperature into the most fitted C.Stop and switch off power supply,replace suitable liquid after the previous liquid cool down D.Inquiry our after service engineer	Suggestion 50-60°C
6	Electricleakage	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 cable grounding of the device are connected. B.Check if the internal live wire or neutral wire of the machine is fall off.	
7	Scrap		According to the state related laws and designated units for discarded medical equipment	
8	Other problems		Consult our after service：+86-755-297847256	

⚠ WARNINGS



Donot operate when tank is empty



Donot use flammable solution



Please use the ground wire correctly



Caution pollution when disposal this product.

MAINTENANCE CARD

Ultrasonic cleaner	
EX factory date:	
Machine number:	
Work voltage	
Work current	
Rated power	

Maintenance care records

	Maintenance care solution	replacement part	contact person
01			
02			
03			
04			
05			
06			
07			
08			
09			
10			
11			
12			

Please contact supplier if trouble cannot be removed！

Please scan the code
for instructions

Skymen Cleaning Equipemnt Shenzhen Co., LTD

Tel:+86-755-27094405 FAX: +86-755-29784236
Email: info@skymen.cc Website: www.skymen.cc

Operation center: 3F, A1 Block, Fuhai Technology Park Building, FuYong Steet, Baoan district, Shenzhen, Guangdong, China.
Production address: Skymen Ultrasonic,Wujiang Technology Industrial Park, Wujiang District,Shaoguan City,Guangdong, China

Solemnly Declare

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