

IMMERSIBLE ULTRASONIC CLEANER

(KP-1036)

USER MANUAL

Thank you for buying our ultrasonic device

Before using, please read and thoroughly understand the instructions

Keep this manual for reference

The **KP series** ultrasonic cleaning machine is one of our product. It make use of the ultrasonic cleaning medium by the water or cleaning fluid, it's fast, efficient and consistent, Suitable for the laboratory, the factory workshop, widely apply to cleaning different kinds of vehicle spare parts ,hydraulic pressure groupware, mechanical bearing, fitting, valve, galvanization, hardware polishing and below various professional degreasing , remove dirt, dust, fingerprint :

Electron: Computer spare part, printing, semiconductor, optical lens, electronic products etc. electricity vacuum components magnetic material;

Light industry: Clock and watch components, camera components, glass products, eyeglasses part etc.

Health: Every kind of healthcare instrument, drugs appliance, vessel etc.

Chemical industry: The chemical reagent vessel, the chemical fiber nozzle, spurt the screw stock, the sealed container etc.

Craft: Jewelers ornaments, metal accessories, handicraft etc.

Hardware: Cutting tool measuring instrument, hard alloy tool, emery strainer, stainless steel tableware, each ramming polishing and so on;

ULTRASONIC CLEANING PRINCIPLE AND POINT :

Ultrasonic cleaner is on based of cavitation effect caused by high frequency ultrasonic wave vibration signal in fluid. Microscopic bubbles are formed and they implode violently that cause cavitation, which gives out great impact of the cleaning subject and provides an intense scrubbing action on the surface of cleaning subject. Additionally, the bubbles are small enough to penetrate even microscopic crevices, cleaning them thoroughly and consistently.

The effect of the cavitations corrosion's function is the ultrasonic cleaning basic principle. With the cleaning solutions, ,make the cleaning effect quickly.

We will know the ultrasonic cleaner has the below characteristics from the cavitations:

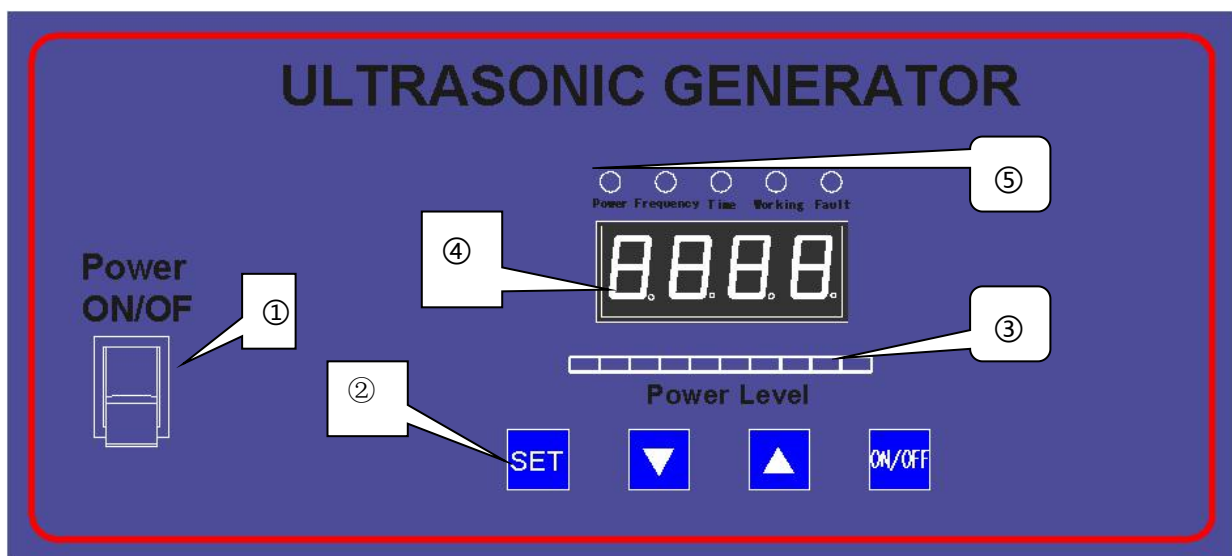
1. Ultrasonic cleaner is very effective for cleaning those anomalous surface, porous, slit, pore, blind hole, trench etc.
2. High efficiency cleaning, the cleaning time is 10 seconds to 5 minutes;
3. Only use water or cleaning fluid have good cleaning effect, the low cost, reduces the environmental pollution, improves the workshop production environment.

SPECIFICATIONS :

Model	
Specification	KP-1036
Generator size (L×W×H, mm)	340×270×165
Immersible size (L×W×H, mm)	500×460×100
Immersible material	Stainless Steel SUS304
Transducer No. (pcs)	36
Frequency (KHz)	28
Ultrasonic Power (W)	1800
Ultrasonic Power supply	220V

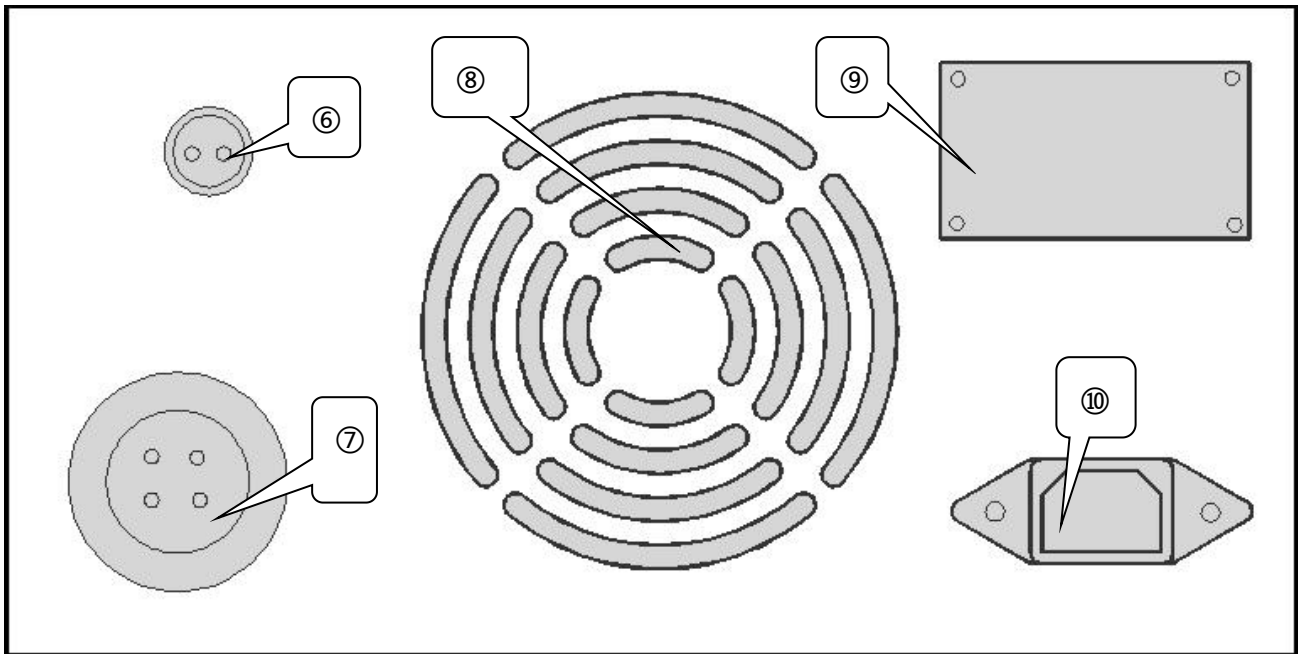
OPERATION MANUAL:

The generator panel function instruction



Generator Front Side

- ① **Power ON/OFF** : the main power switch of the generator
- ② **SET**: used to set different model
- ③ **Power level** : show the power level
- ④ **LED display**: show the setting parameters
- ⑤ **LED indicator light** : show the setting model



Generator Back Side

⑥ **Remote control switch:** to remotely control the operation of generator. (Remark : It must be shorted when not use.)

⑦ **Signal output Termination**

⑧ **Cooling fan**

⑨ **Nameplate**

⑩ **Plug socket**

The generator operating instruction

1. Put the immersible box in to the tank/pool which should be filled with enough water or other liquid

2. Connect the immersible box's "signal plug " (see Pic.1) with generator's "Signal output Termination" (see Pic.2)

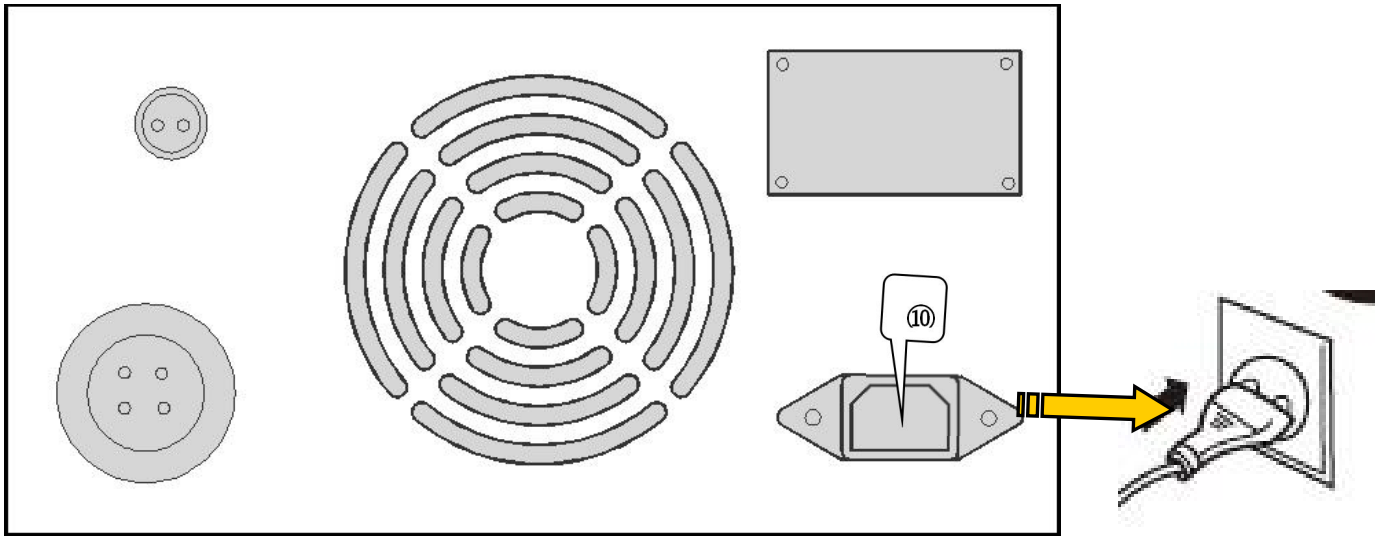


Picture 1



Picture 2

3.Put the generator plug with power line into the socket (see Pic.3) . Be sure the line voltage should be 220V ~ 240Vac ±10%, 50/60Hz



Picture 3


4.The front panel operation guide :







4.1 Display model






- Indication light “ power” is on , the LED display show the ultrasonic power
- Indication light “ Frequency ” is on , the LED display show the ultrasonic Frequency (KHZ)
- Indication light “ Time ” is on , the LED display show the working time
- Indication light “In the work” in on ,it means the generator is working now
- Indication light “The fault ” in on ,it means there is some fault of the device

4.2 Operation setting

A: Turn on the  switch

B: Press the  to switch between the model of “power” , “frequency“ “time”, when choose one of the model, the related indication light will be on .

C:**Power setting** : Press the  to choose the model of “ Power” ,and then press the   to increase or decrease the power till to your required power , it will increase or decrease 50W per each press , you also can **long press**   to increase or decrease the power quickly , after that ,pls press  again to confirm

D: **Time setting**: Press the  to choose the model of “ time” ,and then press the   to increase or decrease the time , it will increase or decrease 1 second per each press, you also can **long press**   to increase or decrease the time quickly ,the max setting time is 9999 seconds, when the time decrease

to 0000, the device will become no-stop working model (it will be working continuously and won't stop except you press the **ON/OFF**). After you finish the time setting, pls press **SET** again to confirm

E: When the working time reach to the setting time ,the device will stop automatically, if you want to clean once more ,just press the **ON/OFF**, it will be working again per last setting time.

F: Press **ON/OFF** to turn on/ turn off the generator in any time

Attention : The device have memory function , it will resume to the last setting of power and time when restart

4.3 Fault model: If the indication light of “ the fault “ is on, the LED display will show the fault code

- 0003 means high temperature automatic protection, pls check if ambient temperature is too high or the cooling fan is burnt
- 0002 means some components were damaged, pls kindly contact with the original manufactory