

# INSTRUCTIONS OF ULTRASONIC CLEANER

# 超音波洗淨機使用說明書



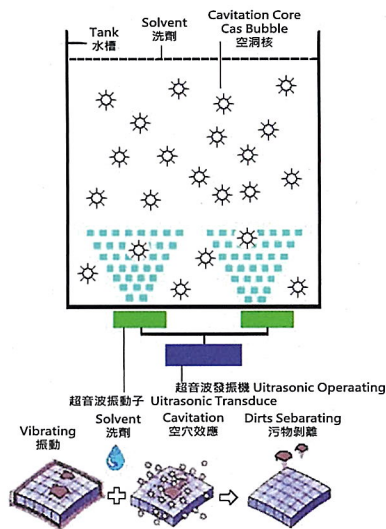
## Principle :

Ultrasonic cleaning effect is more than the fluctuation conductivity in the liquid above the human hearing audio when the sound wave propagation in the dishwashing liquid, because the sound wave is a longitudinal wave, longitudinal wave to promote the media the role of change of pressure in the liquid to produce numerous micro vacuum bubbles, known as " Cavitation ".

When the bursting of the bubble pressure will have a strong impulse can be fixed in the object dead ends within the dirt broken up, and enhanced wash wash effect, due to the length of the penetrating power of ultrasound high frequency waves, so cleaning materials concealed slit or complex structures can be achieved completely wash effect.

### 原理：

超音波洗淨作用是以超過人類聽覺聲頻以上的波動在液體中傳導.當音波在洗淨液中傳播時,由於音波是一種縱波,縱波推動介質的作用會使液體中壓力變化而產生無數微小真空泡,稱之為"空穴效應".當氣泡受壓爆破時,會產生強大的衝激能,可將固著在物件死角內的污垢打散,並增強洗淨的洗淨效果,由於超音波頻率高波長短穿透力強,因此對有隱蔽細縫或複雜結構的清洗物,可以達到完全洗淨效果.



## D80/Instructions for use

- 1.1 The machine will washing streamline if you fall some washing liquid in the water in the machine tank.
- 1.2 The power supply is combined with AC110V or AC220V power point.(Depend on the machine style).
- 1.3 The have two ways to wash the stuff that you want to clean first of all,you can put stuff in the tank with full water directly,in the second way,you can put the stuff in the glass with the water and some washing liquid,then put all thing into the tank of machine,also clean water inside.
- 1.4 Start the supply
  - a. Please do adjust wash time what you want to.(mirco computer design auto key from 0 to 10 minutes).
  - b. Please push the key start,the sign of washing will light & washing action will begin.
  - c. If you want to stop the actions of washing in the medial way,turn the timer key to"0"or off the power switch.
  - d. If you want to revert the function after you off the machine,please push the start key one more time.

## D80使用方法

- 1.1 使用前請先將水槽內注入水液大約7-8分滿(清洗物必須完全浸入水中)
- 1.2 將插頭插入AC110V或AC220V電源插座內(以機器標示為準)
- 1.3 將清洗物直接放入水槽內或間接方式(例：將清洗物放入已注入洗淨液燒杯內·再置放於已注入水液之水槽中)。
- 1.4 打開電源開關
  - a. 調整預計清洗時間(微電腦線路設計·0-10分鐘自動)。
  - b. 按下啟動鍵(START)·清洗指示燈亮即開始清洗。
  - c. 中途欲停止使用·將定時器旋鈕歸零或將電源開關關閉。
  - d. 當關機後如欲再使用時·再按下啟動鍵(START)即可。

### Specification / 規格

Model	(機型)	D80
Tank Size	(水槽尺寸)	150 × 135 × 100 mm ( L × W × H )
Overall Size	(外型尺寸)	175 × 160 × 200 mm ( L × W × H )
Tank Capacity	(水槽容積)	2 L
Frequency	(振盪頻率)	43 KHz
Tank Material	(水槽材質)	SUS 304 # 1.0 mm
Overall Material	(外觀材質)	FRP
Cover Material	(上蓋材質)	Nylon
Output Power	(洗淨出力)	80 W
Timer	(定時器)	10 min.
Basket Size	(洗籃尺寸)	130 × 115 × 50 mm ( L × W × H )
Power Supply	(使用電源)	AC100 ~ 120V / 60Hz or AC220 ~ 240V / 50Hz
Net Weight	(淨重)	2 Kg

## D80H/DC80/DC80H/Instructions for use

- 1.1 The machine will washing streamline if you fall some washing liquid in the water in the machine tank.
- 1.2 The power supply is combined with AC110V or AC220V power point.(Depend on the machine style).
- 1.3 The have two ways to wash the stuff that you want to clean first of all,you can put stuff in the tank with full water directly,in the second way,you can put the stuff in the glass with the water and some washing liquid,then put all thing into the tank of machine,also clean water inside.
- 1.4 a.Set the clean time on TIMER then it will act.(0-30minutes or continuous).
  - b.Turn on the HEATER SWITCH when you need heating.
  - c.HEATER ON will ;ight when heating system is working.(heating system will stop when temperature is over 65 °C and re-act automatically when reduce to 48 °C).

## D80H/DC80/DC80H使用方法

- 1.1 使用前請先將水槽內注入水液大約7-8分滿(清洗物必須完全浸入水中)
- 1.2 將插頭插入AC110V或AC220V電源插座內(以機器標示為準)
- 1.3 將清洗物直接放入水槽內或間接方式(例：將清洗物放入已注入洗淨液燒杯內，再置放於已注入水液之水槽中)。
- 1.4 打開電源開關
  - a.調整預計清洗時間(0-30分鐘自動關機)或連續後，即開始清洗動作。
  - b.欲加熱時，將開關切至ON後，指示燈亮表開始加熱(加熱至65°C後即停止加熱，待溫度降低至48°C時再啟動加熱)

## Specification / 規格

Model (機型)	D80H	DC80 / DC80H
Tank Size (水槽尺寸)	150 × 135 × 100 mm (L × W × H)	150 × 135 × 100 mm (L × W × H)
Overall Size (外型尺寸)	175 × 160 × 200 mm (L × W × H)	175 × 160 × 270 mm (L × W × H)
Tank Capacity (水槽容積)	2 L	2 L
Frequency (振盪頻率)	43 KHz	40 KHz
Tank Material (水槽材質)	SUS 304 # 1.0 mm	SUS 304 # 1.0 mm
Overall Material (外觀材質)	FRP	Galvanized steel 1.0 mm (plate powder-paint coating)
Cover Material (上蓋材質)	SUS 304	SUS 304
Output Power (洗淨出力)	80 W	80 W
Timer (定時器)	Continuous & 30 min.	Continuous & 30 min.
Heater (加熱器)	45 W	45W ( DC80H only then has this equipment )
Temp. Setting (溫度設定)	Highest 65°C ( educes to 48°C start again )	Highest 65°C ( educes to 48°C start again / DC80H only has this function )
Basket Size (洗籃尺寸)	130 × 115 × 50 mm (L × W × H)	130 × 115 × 50 mm (L × W × H)
Power Supply (使用電源)	AC100 - 120V / 60Hz or AC220 - 240V / 50Hz	AC100 - 120V / 60Hz or AC220 - 240V / 50Hz
Net Weight (淨重)	2 Kg	3.5 Kg

## D150 / DC150 / DC200 / DC300 / DC400 / DC600 / DC900

### Instructions for use

1. Plug the power cord connected to AC110V or AC220V outlet. (Marked prevail machine using the power)
2. will be washing object into the washing basket, and then into the tank.
3. Press the power key to open the POWER (ON / OFF) time setting (SET TIME) light display " 1 ", to be washed object dirty degree, press the button SET (▲ / ▼) up and down on their own increase or decrease the cleaning time (up to 99 minutes, all the countdown function and 10 seconds before the termination of that buzzer to inform) for continuous cleaning Press the set button SET (▼) down to press the cleaning key to open the SONICS (START / STOP) to " 0 " can be set to complete the light started to move To stop action, washed, and then press the cleaning key to open the SONICS (START / STOP) indicator goes out to stop the cleaning stroke.

PS: Regardless of the restoration after power failure or power off and then turn the power on all memory of the previous cleaning travel time in the past.

## D150 / DC150 / DC200 / DC300 / DC400 / DC600 / DC900 使用說明

- 1.將電源線接至AC110V或 AC220V插座。(以機器使用電源標示為準)
- 2.將待洗物件放入清洗籃內,再放入水槽內。
- 3.按下電源開關鍵 POWER (ON / OFF) ,時間設定 (SET TIME) 指示燈亮螢幕顯示 " 1 ",視待洗物件髒污程度,按設定鍵SET ( ▲ / ▼ ) 上下自行增減清洗時間 (最多99分鐘,俱倒數功能且終止前10秒即有蜂鳴器提示告知),如需連續清洗按設定鍵 SET( ▼ ) 往下按至 " 0 " 即可,待設定完成按下清洗開關鍵 SONICS (START / STOP) 指示燈亮即開始動作,洗淨中欲停止動作再按下清洗開關鍵SONICS (START / STOP) 指示燈熄滅即停止清洗行程。

PS : 無論斷電後復電或將電源關閉後再開啟電源皆會記憶前次清洗行程時間為何。

## D150H / DC150H / DC200H / DC300H / DC400H / DC600H / DC900H Instructions for use

1. Plug the power cord connected to AC110V or AC220V outlet. (Marked prevail machine using the power)
2. will be washing object into the washing basket, and then into the tank.
3. Press the power key to open the POWER (ON / OFF) time setting (SET TIME) light display "1", to be washed object dirty degree, press the button SET (▲ / ▼) up and down on their own increase or decrease the cleaning time (up to 99 minutes, all the countdown function and 10 seconds before the termination of that buzzer to inform) for continuous cleaning Press the set button SET (▼) down to press the cleaning key to open the SONICS (START / STOP) to "0" can be set to complete the light started to move To stop action, washed, and then press the cleaning key to open the SONICS (START / STOP) indicator goes out to stop the cleaning stroke.

PS: Regardless of the restoration after power failure or power off and then turn the power on all memory of the previous cleaning travel time in the past.

4. To be heated must first sink water level to fill to 70% ~ 80% and then press the Select button (MODE) (SET TEMP) indicator lights display "1", Set SET (▲ / ▼) own increase or decrease the desired temperature (up to 99 °C), the set is greater than the tank temperature the HEAT ON light table heating, such as HEAT ON indicator light is off the table heated to complete.

PS: 1. To modify the heating temperature required in the state without wash before correction.

2. For more information on the tank temperature, press the selection key (MODE) to (TANK TEMP) indicator on the screen display to sink the existing temperature.
3. Whether after power restoration, or turn off the power after power is turned on, the previous heat setting and revert to "1", need to re-set the desired heating temperature. (In order to ensure The water level is too low or anhydrous opened the opportunity to cause the heater air burning)
4. To replace the lotion emissions need to turn off the power.

## D150H / DC150H / DC200H / DC300H / DC400H / DC600H / DC900H 使用說明

- 1.將電源線接至AC110V或 AC220V插座。(以機器使用電源標示為準)
- 2.將待洗物件放入清洗籃內,再放入水槽內。
- 3.按下電源開關鍵 POWER (ON / OFF),時間設定 (SET TIME) 指示燈亮螢幕顯示 "1",視待洗物件髒污程度,按設定鍵SET (▲ / ▼) 上下自行增減清洗時間(最多99分鐘,俱倒數功能且終止前10秒即有蜂鳴器提示告知),如需連續清洗按設定鍵SET (▼) 往下按至 "0" 即可,待設定完成按下清洗開關鍵 SONICS (START / STOP) 指示燈亮即開始動作,洗淨中欲停止動作再按下清洗開關鍵 SONICS (START / STOP) 指示燈熄滅即停止清洗行程。

PS: 無論斷電後復電或將電源關閉後再開啟電源皆會記憶前次清洗行程時間為何。

- 4.需加熱時務必先將水槽內水位加滿至70%~ 80%再按下選擇鍵 (MODE) 後 (SET TEMP) 指示燈亮螢幕顯示 "1",按設定鍵SET (▲ / ▼) 自行增減所需溫度(最高99°C),設定大於槽內溫度時 HEAT ON指示燈亮即表加熱中,如 HEAT ON指示燈熄滅即表加熱完成。

PS: 1.欲修改加熱溫度需在無洗淨狀態下時才可修正。

- 2.欲查詢槽內溫度,按下選擇鍵 (MODE) 至 (TANK TEMP) 指示燈亮,螢幕即顯示水槽現有溫度。
- 3.無論斷電後復電或將電源關閉後再開啟電源,前次加熱設定復歸至 "1",需重新設定所需加熱溫度(目的為確保水位過低或無水時一開機會造成加熱器空燒)
- 4.欲更換洗劑排放時需先關閉電源。

## Specification / 規格

Model (機型)	D150 / D150H
Tank Size (水槽尺寸)	295 × 150 × 100 mm ( L × W × H )
Overall Size (外型尺寸)	320 × 175 × 200 mm ( L × W × H )
Tank Capacity (水槽容積)	4.5 L
Frequency (振盪頻率)	43 KHz
Tank Material (水槽材質)	SUS 304 # 1.0 mm
Overall Material (外觀材質)	FRP
Cover Material (上蓋材質)	Nylon ( D150 ) / SUS 304 (D150H)
Output Power (洗淨出力)	150 W
Timer (定時器)	Continuous ( " 0 " ) & 99 min.
Heater (加熱器)	130W ( D150H only then has this equipment )
Temp.Setting (溫度設定)	Highest 99 °C (D150H only has this function)
Basket Size (洗籃尺寸)	270 × 125 × 55 mm ( L × W × H )
Power Supply (使用電源)	AC100 ~ 120V / 60Hz or AC220 ~ 240V / 50Hz
Net Weight (淨重)	3.3 kg

## Specification / 規格

Model (機型)	DC150 / DC150H
Tank Size (水槽尺寸)	300 × 160 × 150 mm ( L × W × H )
Overall Size (外型尺寸)	330 × 205 × 330 mm ( L × W × H )
Tank Capacity (水槽容積)	7.2 L
Frequency (振盪頻率)	40 KHz
Tank Material (水槽材質)	SUS 304 # 1.5 mm
Overall Material (外觀材質)	Galvanized steel # 1.0 mm ( plate powder-paint coating )
Cover Material (上蓋材質)	SUS 304
Output Power (洗淨出力)	150 W
Timer (定時器)	Continuous ( " 0 " ) & 99 min.
Heater (加熱器)	250 W ( DC150H only then has this equipment )
Temp.Setting (溫度設定)	Highest 99 °C ( DC150H only has this function )
Basket Size (洗籃尺寸)	270 × 130 × 100 mm ( L × W × H )
Power Supply (使用電源)	AC100 ~ 120V / 60Hz or AC220 ~ 240V / 50Hz
Net Weight (淨重)	8 Kg

## Specification / 規格

Model (機型)	DC200 / DC200H
Tank Size (水槽尺寸)	300 × 240 × 150 mm ( L × W × H )
Overall Size (外型尺寸)	330 × 285 × 330 mm ( L × W × H )
Tank Capacity (水槽容積)	10.8 L
Frequency (振盪頻率)	40 KHz
Tank Material (水槽材質)	SUS 304 # 1.5 mm
Overall Material (外觀材質)	Galvanized steel # 1.0 mm ( plate powder-paint coating )
Cover Material (上蓋材質)	SUS 304
Output Power (洗淨出力)	200 W
Timer (定時器)	Continuous ( " 0 " ) & 99 min.
Heater (加熱器)	250 W (DC200H only then has this equipment )
Temp.Setting (溫度設定)	Highest 99 °C (DC200H only has this function )
Basket Size (洗籃尺寸)	255 × 220 × 100 mm ( L × W × H )
Power Supply (使用電源)	AC100 ~ 120V / 60Hz or AC220 ~ 240V / 50Hz
Net Weight (淨重)	9.5 Kg

## Specification / 規格

Model (機型)	DC300 / DC300H
Tank Size (水槽尺寸)	300 × 240 × 150 mm ( L × W × H )
Overall Size (外型尺寸)	330 × 285 × 330 mm ( L × W × H )
Tank Capacity (水槽容積)	10.8 L
Frequency (振盪頻率)	40 KHz
Tank Material (水槽材質)	SUS 304 # 1.5 mm
Overall Material (外觀材質)	Galvanized steel # 1.0 mm ( plate powder-paint coating )
Cover Material (上蓋材質)	SUS 304
Output Power (洗淨出力)	300 W
Timer (定時器)	Continuous ( " 0 " ) & 99 min.
Heater (加熱器)	250 W (DC300H only then has this equipment )
Temp.Setting (溫度設定)	Highest 99 °C (DC300H only has this function )
Basket Size (洗籃尺寸)	255 × 220 × 100 mm ( L × W × H )
Power Supply (使用電源)	AC100 ~ 120V / 60Hz or AC220 ~ 240V / 50Hz
Net Weight (淨重)	10.5 Kg



## Specification / 規格

Model (機型)	DC400 / DC400H
Tank Size (水槽尺寸)	500 × 300 × 200 mm ( L × W × H )
Overall Size (外型尺寸)	530 × 345 × 380 mm ( L × W × H )
Tank Capacity (水槽容積)	30 L
Frequency (振盪頻率)	40 KHz
Tank Material (水槽材質)	SUS 304 # 1.5 mm
Overall Material (外觀材質)	Galvanized steel # 1.0 mm ( plate powder-paint coating )
Cover Material (上蓋材質)	SUS 304
Output Power (洗淨出力)	400 W
Timer (定時器)	Continuous ( " 0 " ) & 99 min.
Heater (加熱器)	500 W (DC400H only then has this equipment )
Temp.Setting (溫度設定)	Highest 99 °C ( DC400H only has this function )
Basket Size (洗籃尺寸)	450 × 265 × 135 mm ( L × W × H )
Power Supply (使用電源)	AC100 ~ 120V / 60Hz or AC220 ~ 240V / 50Hz
Net Weight (淨重)	18.5 kg

## Specification / 規格

Model (機型)	DC600 / DC600H
Tank Size (水槽尺寸)	500 × 300 × 200 mm ( L × W × H )
Overall Size (外型尺寸)	530 × 345 × 380 mm ( L × W × H )
Tank Capacity (水槽容積)	30 L
Frequency (振盪頻率)	40 KHz
Tank Material (水槽材質)	SUS 304 # 1.5 mm
Overall Material (外觀材質)	Galvanized steel # 1.0 mm ( plate powder-paint coating )
Cover Material (上蓋材質)	SUS 304
Output Power (洗淨出力)	600 W
Timer (定時器)	Continuous ( " 0 " ) & 99 min.
Heater (加熱器)	500 W (DC600H only then has this equipment )
Temp.Setting (溫度設定)	Highest 99 °C ( DC600H only has this function )
Basket Size (洗籃尺寸)	450 × 265 × 135 mm ( L × W × H )
Power Supply (使用電源)	AC100 ~ 120V / 60Hz or AC220 ~ 240V / 50Hz
Net Weight (淨重)	19.5 kg

## Specification / 規格

Model	(機型)	DC600 / DC600H
Tank Size	(水槽尺寸)	500 × 300 × 300 mm ( L × W × H )
Overall Size	(外型尺寸)	530 × 345 × 480 mm ( L × W × H )
Tank Capacity	(水槽容積)	45 L
Frequency	(振盪頻率)	40 KHz
Tank Material	(水槽材質)	SUS 304 # 1.5 mm
Overall Material	(外觀材質)	Galvanized steel # 1.0 mm ( plate powder-paint coating )
Cover Material	(上蓋材質)	SUS 304
Output Power	(洗淨出力)	600 W
Timer	(定時器)	Continuous ( " 0 " ) & 99 min.
Heater	(加熱器)	500 W × 2 set ( DC600H only then has this equipment )
Temp. Setting	(溫度設定)	Highest 99 °C ( DC600H only has this function )
Basket Size	(洗籃尺寸)	450 × 265 × 135 mm ( L × W × H )
Power Supply	(使用電源)	AC100 - 120V / 60Hz or AC220 - 240V / 50Hz
Net Weight	(淨重)	22 Kg

## Specification / 規格

Model	(機型)	DC900 / DC900H
Tank Size	(水槽尺寸)	500 × 300 × 300 mm ( L × W × H )
Overall Size	(外型尺寸)	530 × 345 × 480 mm ( L × W × H )
Tank Capacity	(水槽容積)	45 L
Frequency	(振盪頻率)	40 KHz
Tank Material	(水槽材質)	SUS 304 # 1.5 mm
Overall Material	(外觀材質)	Galvanized steel # 1.0 mm ( plate powder-paint coating )
Cover Material	(上蓋材質)	SUS 304
Output Power	(洗淨出力)	900 W
Timer	(定時器)	Continuous ( " 0 " ) & 99 min.
Heater	(加熱器)	500 W × 2 set ( DC900H only then has this equipment )
Temp. Setting	(溫度設定)	Highest 99 °C ( DC900H only has this function )
Basket Size	(洗籃尺寸)	450 × 265 × 135 mm ( L × W × H )
Power Supply	(使用電源)	AC100 - 120V / 60Hz or AC220 - 240V / 50Hz
Net Weight	(淨重)	24 Kg

## Safety Precautions

1. Use 110V/220V AC power to activate the machine (refer to the specifications of the machine before operating).
2. Be sure the machine is level. Keep its environment clear, wipe up any cleaning solution spilled, from the tank.
3. Never turn on the machine when there is no water in the tank.
4. Never use sharp tools to clean water tank as this way damage inner surface of tank.
5. Avoid using strong acid or alkaline as cleaning solutions.
6. To assure long life of machine, never operate continuously for more than one hour.
7. When changing cleaning solutions, avoid a big difference in temperature in order to prevent damage to water tank.
8. Keep temperature of water tank below 70 °C when operating for a long period of time.
9. Clean the surface of the machine with a soft cloth. Never use gasoline or other cleaning solutions to clear off the machine.
10. After use, unplug the machine from power source in order to increase life of machine.

## 安全使用注意事項

1. 電壓使用是否正確。(以機器標示為準)
2. 洗淨機應平放且保持周圍乾淨，如有洗淨液溢出，應速擦拭乾淨。
3. 若水槽內沒有水請勿操作使用。
4. 請勿使用銳利工具在水槽內刷洗，更避免刮傷或撞擊水槽內部。
5. 避免使用強酸、強鹼的洗淨液。
6. 確保產品使用壽命，儘可避免連續使用超過1小時。
7. 若要更換洗淨液時，請避免溫差太大，以免振動器損壞。
8. 長時間使用下，請保持其水槽溫度不超過70 °C為佳。
9. 機器表面清理，以乾布擦拭即可，避免以汽油、溶劑擦拭。
10. 停電時機器不用時，請將電源線拔掉以維護機器壽命。

# 保證卡 GUARANTY CARD

客戶名稱 Customer			
地 址 Address			
電話 Tel		傳真 Fax	
機型 Model		機號 Serial No.	
購買日期 Date of Purchase			
<p><b>保證內容 Conditions Guarantee :</b></p> <p>1.非人為不可抗拒之災害因素外，機器自出售日期起免費保固一年。</p> <p>2.在保固期內因人為因素導致機器損壞，公司視情況的收零件更換費用。</p> <p>3.維修時請出示加蓋銷售商印章保證卡。</p> <p>1.If any defect in manufacture or material shall appear within 12 months (1 year) from the date on which it was sold to consumer,we will arrange for such defect to be rectified without charge provide that it was applied properly.</p> <p>2.This Guaranty Card does not cover any defect due to misuse,neglect, acts of god or accessories belonging to the product,which shal be charged with necessary cost for repairment or replacement.</p> <p>3.Invalid without dealer's stamp and date.</p>			
<p><b>銷售商印章</b> Dealer's Stamp</p>			