

Owner's Manual

1. The Principle of Ultrasonic Cleaning

Ultrasonic cleaning is based on the cavitation effect caused by high frequency ultrasonic wave vibration signals in the fluid. Microscopic bubbles are formed, and they implode violently causing the cavitation which creates an intense scrubbing action on the surface of the item being cleaned. The bubbles are small enough to penetrate microscopic crevices, cleaning them thoroughly and consistently.

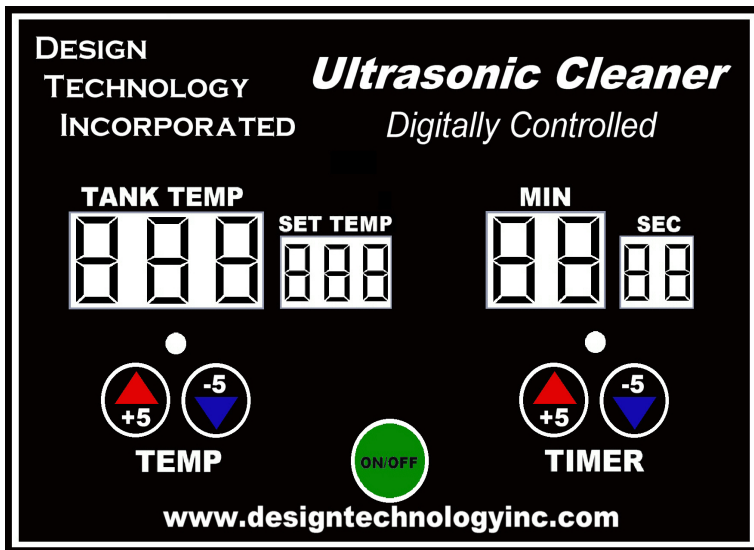
Ultrasonic cleaning is extremely effective at removing dirt and grime which would normally require tedious manual cleaning by hand. It has been used to clean a wide variety of instruments and mechanical parts such as carburetors, returning them to almost "like new" condition without damage to delicate parts.

2. Technology Parameter

1. Voltage: AC110V / 220V 50Hz / 60Hz
2. Ultrasonic frequency: 40KHz
3. Working hours: 8
4. Unit, plug cable, basket and cover: 6 pounds

Model No.	Outer Dimension L×W×H(mm)	Tank Dimension L×W×H(mm)	Cubage (L)	Voltage " #	Heating Range "()°C#	Timer Range (MIN)
DSA50-SK2	175×165×250	150×137×150	2.5	/	35-175/5-80	05/01/60

3. Operation Instructions



3. Operating Instructions (continued)

1. Place the Ultrasonic Cleaner on a stable and flat working platform.
2. Place the object to be cleaned in the basket.
3. Fill the tank with water to completely immerse the object. For best cleaning results, water should fill 1/2 to 2/3 of the tank.
4. Add a small amount of the cleaning liquid. When using the special DTI-201 formulation, the ratio should be 1 part cleaner to 5 parts water.
5. Connect the power. **Note: DO NOT TURN ON THE MACHINE WITHOUT FLUID IN THE TANK.**
6. Press (on/off) to turn ON the machine.

When the display window on the right side shows "00", the ultrasonic cleaner is on standby and the indicator light is OFF. Press the time setting key "+5", the ultrasonic cleaning indicator light turns ON – the timer begins to count down and the ultrasonic cleaner starts the cleaning cycle. When the timer counts down to "00", the ultrasonic cleaner stops automatically and the indicator light turns OFF.

7. Setting the temperature

- On the left of the panel there are 2 keys ("+5" and "-5") for temperature settings. Press "+5" once for each 5 degree increase or "- 5" to lower the temperature by 5 degrees.
- Temperature range: 35°– 175°F
- When the tank temperature is lower than the set temperature, the unit will keep heating and the heating indicator light will be ON.
- When the required tank temperature is reached, the unit will stop heating and the indicator light will turn OFF.

8. Setting the cleaning time

- On the right side of the panel there are 2 keys ("+5" and "-5") to set the desired cleaning time. Pressing "+5" increases the time by 5 minutes each time it is pressed. The "- 5" will decrease the time by 5 minute intervals.
- Time Settings range: 05 to 60 minutes.

4. ATTENTION - Safety Instructions

1. Do not operate if the tank is empty. **Tank must be filled with liquid before it is turned ON.**
2. After use, turn OFF the power and disconnect the power plug from socket.
3. When adding or changing water or cleaner, **the power must be turned OFF and the unit must be disconnected.**
4. Do not use corrosive or flammable solutions as washing fluid. That is dangerous and can cause injury.