



Ultrasound cleaning baths, USC



Cleaning via ultrasound has been one of the most effective methods of freeing parts with complex geometry, such as fins, undercuts, boreholes, pocket holes, etc. from residues (contaminants).

The physical property of imploding vacuum bubbles causes tiny air bubbles to form in the cleaning fluid, which generate up to 1000 bar and 5000 °C when the forces implode and penetrate all small cavities. Combined with a cleaning agent geared to the type of contamination and the material to be cleaned, it is possible, through the cavitation forming on the part to be cleaned without any additional manual workload, to remove residues like oil carbon, incrustations, grease, oils, oxidation, paints, dust, rust, limescale, etc. quickly in a way that protects the material and does not leave behind any residual matter.

- High performance PZT ultrasonic converter with ceramics technology

- Homogeneous distribution of ultrasound in the cleaning trough
- Lower noise development through higher frequency
- Robust heating with integrated run-dry protection
- Thermostat adjustable up to 80 °C
- Stainless steel tank material and cladding

Ultrasonic bath USC T

This range has a digital timer 1 – 99 minutes in steps of 1 minute

Ultrasonic bath USC TH

With a digital timer and a tank heater, infinitely variable up to 80 °C, to assist the cleaning effect. To monitor the heater, a yellow LED display illuminates, extinguishing when the set temperature is reached.

Ultrasonic bath USC THD and THD/HF (high frequency)

This machine has a digital operating keypad to ensure convenient setting and operation. The special features of the D range are:

- Digital time setting of 1- 99 min or continuous
- Digital temperature display adjustable up to 80 °C
- The heater is equipped with dry run protection
- Ultrasound output adjustable over nine levels from 10 - 100%
- Stabilisation of the set output, independently of level and temperature
- Dual half-wave sound with sweep
- Degassing function to homogenise the tank fluid.

Model	Capacity (l)	Frequency (kHz)	Heating power (W)	WxDxH (mm)	Tank dimensions WxDxH (mm)	Weight (kg)
USC T range						
USC 300 T	2,8	45	200	265x160x235	240x135x100	4,1
USC 500 T	4,2			265x160x295	240x135x150	4,9
USC 600 T	5,4		400	325x175x295	300x150x150	5,4
USC 900 T	9,2			325x265x335	300x240x200	8,2
USC 1200 T	12,3		600	515x150x270	500x135x150	8,5
USC 1700 T	16,8			352x325x335	327x300x200	9,7
USC 2100 T	19,6		800	530x325x365	500x300x150	12,7
USC 2600 T	26,1				500x300x200	12,9
USC TH range						
USC 300 TH	2,8	45	200	265x160x235	240x135x100	4,1
USC 500 TH	4,2			265x160x295	240x135x150	4,9
USC 600 TH	5,4		400	325x175x295	300x150x150	5,4
USC 900 TH	9,2			325x265x335	300x240x200	8,2
USC 1200 TH	12,3		600	515x150x270	500x135x150	8,5
USC 1700 TH	16,8			352x325x335	327x300x200	9,7
USC 2100 TH	19,6		800	530x325x365	505x300x150	12,7
USC 2600 TH	26,1				500x300x200	12,9
USC THD and THD/HF range						
USC 300 THD	2,8	45	200	265x160x235	240x135x100	4,1
USC 300 THD/HF		132				
USC 500 THD	4,2	45	400	265x160x295	240x135x150	4,9
USC 600 THD	5,4	132		325x175x295	300x150x150	5,4
USC 600 THD/HF			9,2	45	600	325x265x335
USC 900 THD	12,3	132	515x150x270			500x135x150
USC 1200 THD	16,8	45	800	352x325x335	327x300x200	9,7
USC 1200 THD/HF						
USC 1700 THD	19,6	132	530x325x365	505x300x150	12,7	
USC 2100 THD						
USC 2100 THD/HF	26,1	45	1000	500x300x200	12,9	

Description	Pk	Cat. No.
USC T range		
Table top cleaning unit with digital control, display and digital timer, USC 300 T	1	142-0083
Table top cleaning unit with digital control, display and digital timer, USC 500 T	1	142-0087
Table top cleaning unit with digital control, display and digital timer, USC 600 T	1	142-0090

Continued on next page