

LCT Ultrasonic cleaning units

Type NW



Robust cleaning systems for large parts

- Leading edge ultrasonic technology
- DUAL frequency technology
- Maximum cleaning efficiency

Our **ultrasonic tanks of the serie NW** are robust and reliable units for the **industrial cleaning of larger workpieces**. They are characterized by their **wide range of applications** as well as by **their high and constant power output**. For optimal cleaning of even most complex shapes, the ultrasonic transducers are mounted to the respective requirements. Moreover, it is possible to implement various process steps with multiple tanks. The ultrasonic cleaning units type **LCT-NW** are your guarantee for excellent cleaning results and high flexibility.

Special features:

- All components which are in contact with the cleaning media are made of stainless steel or chemical resistant polymers
- Thermal and sound insulation
- Infinitely variable temperature adjustment
- Ultrasonic timer
- Protection against dry-running of the ultrasonic or heating equipment

Options:

- Customer specific dimensions
- Water overflow into weir
- Pump filter circuit
- Oil separator/oilskimmer
- Sliding lid/automatic lid

Ultrasonic tank with immersible transducers on two sides, grid-floor



Installation view of a plate type transducer - inner side, heaters in niches



Filter circuit to increase the operating life of the cleaning medium



Technical data	Ultrasonic cleaning tank Type	NW 180	NW 260	NW 360	NW 580
Inner dimensions of the tank in mm	Length	800	900	1000	1200
	Width	500	500	600	700
	Height	600	700	800	900
Dimension of the basket in mm	Length	700	700	800	1000
	Width	400	400	500	600
	Height	450	550	650	750
External dimensions in mm	Length	1170	1270	1370	1570
	Width	870	870	970	1070
	Height	1000	1050	1150	1300
Usable dimension in height max.		460 mm	540 mm	620 mm	700 mm
Volume of the tank approx.		180 liters	260 liters	360 liters	580 liters
Max. load		100 kg	100 kg	200 kg	300 kg
Ultrasonic frequencies		SINGLE frequencies: 27/30/40/60/80/100 kHz DUAL technology: 27 & 80 kHz/30 & 60 kHz/40 & 100 kHz			
A) Bottom		1500 watt	2000 watt	2000 watt	-
B) Bottom and one side		2000 watt	3000 watt	3000 watt	3000 watt
C) Bottom and two sides		3000 watt	4000 watt	4500 watt	4500 watt
Material of the tank		2 mm stainless steel 1.4301 Option: Other materials and thicknesses			
Enclosure		Stainless steel 1.4301			
Heating power		7.2 kW	9.6 kW	12 kW	14.4 kW
Heating time for $\Delta T = 30^{\circ} C$		1.3 h	1.4 h	1.4 h	1.8 h
Temperature regulation		Step-less adjustable: $20 \div 90^{\circ} C$			
Level control		Made in stainless steel, to protect ultrasonic and heating equipment against dry running			
Insulation of the tank		All heating tanks have a thermal insulation			
Timer		Step-less adjustable: 1 + 60 min. or continuous operation			
Sloped chamber bottom		The bottom of the chamber is sloped towards the outlet valve			
Drain with ball valve		1½"	1½"	1½"	1½"
Lid		Hinged lid made of stainless steel			
Power supply in kW A/B/C		8.7/9.2/10.2	11.6/12.6/13.6	14/15/16	--/17.4/19
Voltage		400 V/50 Hz; 3Ph/N/PE, Other voltages upon request			

Special versions upon request



Overflow pocket, coarse filter and integrated exhausting