

Ultrasonic Industrial Cleaner Systems

When it comes to cleaning small and large parts in general mechanical engineering, the ultrasonic cleaning process has been the method preferred for many years, as being far superior to traditional cleaning processes.

Ultrasonics can remove all kinds of dirt and other particles such as swarf, grinding and polishing residue, as well as oil, grease. Its scope of application ranges from cleaning the movement of a watch to overhauling the engines of a Jumbo jet.

The cleansing effect of ultrasound is due to the phenomenon of cavitation. Billions of minute gas bubbles implode, causing shock waves that undermine the dirt and blast it off. A great advantage is the fact that even completely inaccessible places can be cleaned. Frequencies between 20 and 80 kHz are used, depending on the type of application. The cleaning solution depends on the type of contamination and the subsequent finishing process. The cleaning is mostly performed at fairly high temperatures of 50° C to 80° C in order to optimize the cleaning process.



What benefits does ultrasound cleaning offer?

- ★ Easy handling
- ★ Shortest cleaning time
- ★ Less chemicals
- ★ Lower cleaning temperatures
- ★ Reproducible results

For which industrial sectors is ultrasound cleaning suitable?

- ★ Optics and glass industry
- ★ Electro industry
- ★ Chemical industry
- ★ Galvanic industry
- ★ Precision mechanics industry
- ★ Power plants
- ★ Metal industry
- ★ Automobile industry

Specifications

TYPE		IT- 50	IT- 70	IT- 100	IT- 115
Tank Size (L x W x D)	mm	550 X 350 X 300	600 X 400 X 350	615 X 410 X 500	615 X 410 X 550
Overflow	mm	250	300	410	460
Tank Body	SS	304	304	304	304
Tank Material	SS	SS 304/ 2mm	SS 304/ 2mm	SS 316/ 2mm	SS 316/ 2mm
Tank Capacity	Litres	50	70	100	115
Ultrasonic transducer	Nos	15	20	20	24
Ultrasonic Eco generator	Nos	1	1	1	1
Ultrasonic Frequency	Khz	30	30	30	30
Ultrasonic power (Average/ Peak) Watts		750/ 1500	1000/ 2000	1000/ 2000	1200/ 2400
Operator Panel	Provided	Yes	Yes	Yes	Yes
Time control	Provided	Yes	Yes	Yes	Yes
Temperature control	Provided	Yes	Yes	Yes	Yes
Heater	KW	4	4	4	4
Drain valve	1" Manual	Yes	Yes	Yes	Yes
Overflow valve	1" Manual	Yes	Yes	Yes	Yes
Basket SS (Lx W x D)	mm	510x315x275	560x365x325	575x375x375	575x375x425
SS Lid	Provided	Yes	Yes	Yes	Yes

Features

- ★ Ultrasonic and heat insulation
- ★ Sloped floor for complete emptying
- ★ Edged work area prevents liquid from dropping down
- ★ Beveled cover guides water condensation back to the tank
- ★ Temperature regulation
- ★ Timer for ultrasonic activity
- ★ Contents of 50, 70, 110, 170, 250 liters
- ★ Working frequencies 25, 40 kHz
- ★ Tank, cover, sheathing and drainage tap made

NOTE: Technical specifications are subject to change without prior notice, due to continuous upgradation.

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