



ULTRASONIC CLEANING SOLUTION



HOW DOES IT WORK

Ultrasonic cleaning is based on the cavitation effect caused by high frequency ultrasonic wave vibration signals in the fluid. Microscopic bubbles are formed and implode violently causing the cavitation which creates an intense scrubbing action on the surface of the item being cleaned.

This constant implosion happens millions of times per second and produces a tremendous amount of vacuum energy in the form of heat and pressure. It's this combination of heat and pressure which gives Ultrasonics its power and cleaning capability.

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 an almost "like new" condition without damaging delicate parts.



BENEFITS



TIMER



CONTAMINANT REMOVAL

Ultrasonic cleaners can remove an endless variety of contaminants including oil, grease, wax, shavings, dirt, dust, clay, sand, parting compound, soot, carbon and oxidation, all the way down to a microscopic particle size.



COMPLEX MICROSCOPIC CLEANING

The cleaning detergent and high-frequency waves penetrate all surfaces, even hidden passageways, narrow openings, crevices, cracks, and blind-drilled holes get as clean as the visible surfaces without disassembling or intense hand-cleaning costs.



GENTLE CLEANING

Ultrasonic cleaners remove contaminants without abrasion or scrubbing making them ideal to clean even the most delicate parts.

GREEN CLEANING



LOW POWER CONSUMPTION

Compared to other types of part-cleaning systems that use a variety of motors to pump, spray, circulate and agitate, the cleaning is done through efficient electrical energy and transducers, keeping power consumption to a minimum.



ENVIRONMENTAL FRIENDLY

Reduction/replacement of hazardous detergents and a lower total energy consumption.

TABLE TYPE ULTRASONIC CLEANER



Model :	HY-6LT-M	CE
Seri No :	00001	
Tank Hacmi :	6 Lts	Gerilim : 220-240 V
Ultrasonik Frekans :	28 38 40 KHz	IP : 20
Ultrasonik Güç :	120 W	f : 50/60 Hz
Ağırlık :	4.8 Kgs	KW : 0.95
İmalat Tarihi :	1 2 3 4 5 6 7 8 9 10 11 12	000000000000
	HY	Made in Turkey

TABLE TYPES ULTRASONIC CLEANERS

The HY TEKNOLOJİ Table types ultrasonic cleaners are used widely in laboratory, medical/ dental, gem/jewelry, optics, electronics, automotive, industry and pharmaceutical environments to provide simple and effective results for cleaning objects.

The soft function uses a different frequency to clean blind spots and guarantees that each spot is cleaned well. The degas function improves the cleaning action by removing air bubbles from the detergent solution.

Model HY- 2.8 Lt M-Lux

Analogue / Lux model



Features

- * Stainless Steel Tank
- * Stainless Steel Basket
- * Timer : 1 – 60 minutes / ∞
- * Heater : 20 – 90 ° C

Technical information

Tank Volume	2.8 lts.
Weight	3.4 kgS
Ultrasonic power	120 W - 2 Transducers
Generator power	1 x 150 W - 4 Amper
internal dimensions (L x W x D)	240 x 138 x 100 mms
External dimensions (L x W x D)	265 x 160 x 290 mms
Basket dimensions (L x W x D)	210 x 115 x 45 mms
Frequency	40 KHz
Heater power	300 W
Machine power	220 V / 50 - 60 Hz.

Model HY- 2.8 Lt D

Digital Control



Features

- * Stainless Steel Tank
- * Stainless Steel Basket
- * Digital panel
- * Digital Timer : 1 – 99 minutes
- * Heater : 20 – 99 ° C

Technical information

Tank Volume	2.8 lts.
Weight	3.4 kgs
Ultrasonic power	120 W - 2 Transducers
Generator power	1 x 150 W - 4 Amper
internal dimensions (L x W x D)	240 x 138 x 100 mms
External dimensions (L x W x D)	265 x 160 x 290 mms
Basket dimensions (L x W x D)	210 x 115 x 45 mms
Frequency	40 KHz
Heater power	300 W
Machine power	220 V / 50 - 60 Hz.

Model HY- 4 Lt M-Lux

Analogue / Lux model



Features

- * Stainless Steel Tank
- * Stainless Steel Basket
- * Discharges valve
- * Timer : 1 – 60 minutes / ∞
- * Heater : 20 – 90 ° C

Technical information

Tank Volume	4 lts.
Weight	4.2 kgs.
Ultrasonic power	120 W - 2 Transducers
Generator power	1 x 150 W - 2 Amper
internal dimensions (L x W x D)	240 x 140 x 150 mms
External dimensions (L x W x D)	300 x 200 x 285 mms
Basket dimensions (L x W x D)	210 x 115 x 45 mms
Frequency	40 KHz
Heater power	300 W
Machine power	220 V / 50 - 60 Hz.

Model HY- 4 Lt D

Digital Control



Features

- * Stainless Steel Tank
- * Stainless Steel Basket
- * Discharges valve
- * Digital panel
- * Digital Timer : 1 – 99 minutes
- * Heater : 20 – 99 ° C

Technical information

Tank Volume	4 lts.
Weight	4.2 kgs
Ultrasonic power	120 W - 2 Transducers
Generator power	1 x 150 W - 4 Amper
internal dimensions (L x W x D)	240 x 140 x 150 mms
External dimensions (L x W x D)	300 x 200 x 285 mms
Basket dimensions (L x W x D)	210 x 115 x 45 mms
Frequency	40 KHz
Heater power	300 W
Machine power	220 V / 50 - 60 Hz.

Model HY- 6 Lt M-Lux

Analogue / Lux model



Features

- * Stainless Steel Tank
- * Stainless Steel Basket
- * Discharges valve
- * Cooling fan
- * Timer : 1 – 60 minutes / ∞
- * Heater : 20 – 90 ° C

Technical information

Tank Volume	6 lts.
Weight	4.8 kgs
Ultrasonic power	180 W - Transducers
Generator power	1 x 200 W - 5 Amper
Internal dimensions (L x W x D)	240 x 138 x 200 mms
External dimensions (L x W x D)	270 x 180 x 330 mms
Basket dimensions (L x W x D)	210 x 115 x 45 mms
Frequency	40 KHz
Heater power	300 W
Machine power	220 V / 50 - 60 Hz.

Model HY- 6 Lt D

Digital Control



Features

- * Stainless Steel Tank
- * Stainless Steel Basket
- * Discharges valve
- * Digital panel
- * Digital Timer : 1 – 99 minutes
- * Heater : 20 – 99 ° C

Technical information

Tank Volume	6 lts.
Weight	4.8 kgs
Ultrasonic power	180 W - 3 Transducers
Generator power	1 x 200 W - 5 Amper
internal dimensions (L x W x D)	240 x 138 x 200 mms
External dimensions (L x W x D)	270 x 180 x 330 mms
Basket dimensions (L x W x D)	210 x 115 x 45 mms
Frequency	40 KHz
Heater power	300 W
Machine power	220 V / 50 - 60 Hz.

Model HY- 12 Lt M-Lux

Analogue / Lux model



Features

- * Stainless Steel Tank
- * Stainless Steel Basket
- * Discharges valve
- * Cooling fan
- * Timer : 1 – 60 minutes / ∞
- * Heater : 20 – 90 ° C

Technical information

Tank Volume	12 lts.
Weight	7.5 kgs
Ultrasonic power	240 W - 4 Transducers
Generator power	1 x 300 W - 10 Amper
internal dimensions (L x W x D)	300 x 240 x 200 mms
External dimensions (L x W x D)	325 x 265 x 365 mms
Basket dimensions (L x W x D)	240 x 190 x 105 mms
Frequency	40 KHz
Heater power	500 W
Machine power	220 V / 50 - 60 Hz.

Model HY- 12 Lt D

Digital Control



Features

- * Stainless Steel Tank
- * Stainless Steel Basket
- * Discharges valve
- * Digital panel
- * Digital Timer : 1 – 99 minutes
- * Heater : 20 – 99 ° C

Technical information

Tank Volume	12 lts.
Weight	7.5 kgs
Ultrasonic power	240 W - 4 Transducers
Generator power	1 x 300 W - 10 Amper
internal dimensions (L x W x D)	300 x 240 x 200 mms
External dimensions (L x W x D)	325 x 265 x 365 mms
Basket dimensions (L x W x D)	240 x 190 x 105 mms
Frequency	40 KHz
Heater power	500 W
Machine power	220 V / 50 - 60 Hz.

Model HY- 18 Lt M-Lux

Analogue / Lux model



Features

- * Stainless Steel Tank
- * Stainless Steel Basket
- * Discharges valve
- * Cooling fan
- * Timer : 1 – 60 minutes / ∞
- * Heater : 20 – 90 ° C

Technical information

Tank Volume	18 lts.
Weight	10 kgs
Ultrasonic power	360 W - 6 Transducers
Generator power	1 x 400 W - 12 Amper
Internal dimensions (L x W x D)	330 x 300 x 200 mms
External dimensions (L x W x D)	350 x 325 x 410 mms
Basket dimensions (L x W x D)	290 x 255 x 110 mms
Frequency	40 KHz
Heater power	750 W
Machine power	220 V / 50 - 60 Hz.

Model HY- 18 Lt D-Lux

Digital Control / Lux model



Features

- * Stainless Steel Tank
- * Stainless Steel Basket
- * Discharges valve
- * Digital panel
- * Cooling fan
- * Digital Timer : 1 – 99 minutes
- * Heater : 20 – 99 ° C

Technical information

Tank Volume	18 lts.
Weight	10 kgs.
Ultrasonic power	360 W - 6 Transducers
Generator power	1 x 400 W - 12 Amper
Internal dimensions (L x W x D)	330 x 300 x 200 mms
External dimensions (L x W x D)	350 x 325 x 410 mms
Basket dimensions (L x W x D)	290 x 255 x 110 mms
Frequency	40 KHz
Heater power	750 W
Machine power	220 V / 50 - 60 Hz.

Model HY- 18 Lt D

Digital Control



Features

- * Stainless Steel Tank
- * Stainless Steel Basket
- * Discharges valve
- * Digital panel
- * Digital Timer : 1 – 99 minutes
- * Heater : 20 – 99 ° C

Technical information

Tank Volume	18 lts.
Weight	10 kgs
Ultrasonic power	360 W - 6 Transducers
Generator power	1 x 400 W - 12 Amper
internal dimensions (L x W x D)	330 x 300 x 200 mms
External dimensions (L x W x D)	350 x 325 x 410 mms
Basket dimensions (L x W x D)	290 x 255 x 110 mms
Frequency	40 KHz
Heater power	750 W
Machine power	220 V / 50 - 60 Hz.

Model HY- 28 Lt M-Lux

Analogue / Lux model



Features

- * Stainless Steel Tank
- * Stainless Steel Basket
- * Discharges valve
- * Cooling fan
- * Timer : 1 – 60 minutes / ∞
- * Heater : 20 – 90 ° C

Technical information

Tank Volume	28 lts.
Weight	14 kgs
Ultrasonic power	480 W - 8 Transducers
Generator power	1 x 520 W - 16 Amper
internal dimensions (L x W x D)	500 x 300 x 200 mms
External dimensions (L x W x D)	530 x 325 x 405 mms
Basket dimensions (L x W x D)	445 x 223 x 160 mms
Frequency	40 KHz
Heater power	750 W
Machine power	220 V / 50 - 60 Hz.



Model HY- 28 Lt D-Lux

Digital Contol / Lux model



Features

- * Stainless Steel Tank
- * Stainless Steel Basket
- * Discharges valve
- * Digital panel
- * Cooling fan
- * Digital Timer : 1 – 99 minutes
- * Heater : 20 – 99 ° C

Technical information

Tank Volume	28 Its
Weight	14 kgs
Ultrasonic power	480 W - 8 Transducers
Generator power	1 x 520 W - 16 Amper
Internal dimensions (L x W x D)	500 x 300 x 200 mms
External dimensions (L x W x D)	530 x 325 x 405 mms
Basket dimensions (L x W x D)	445 x 223 x 160 mms
Frequency	40 KHz
Heater power	750 W
Machine power	220 V / 50 - 60 Hz.

Model HY- 28 Lt D

Digital Control



Features

- * Stainless Steel Tank
- * Stainless Steel Basket
- * Discharges valve
- * Digital panel
- * Digital Timer : 1 – 99 minutes
- * Heater : 20 – 99 ° C

Technical information

Tank Volume	28 lts.
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Basket dimensions (L x W x D)	445 x 223 x 160 mms
Frequency	40 KHz
Heater power	750 W
Machine power	220 V / 50 - 60 Hz.

INDUSTRIAL TYPE ULTRASONIC CLEANER



INDUSTRIAL ULTRASONIC CLEANER

The list of potential ultrasonic cleaning applications is endless. Hy Teknoloji provides its customers with a reliable and cost effective method to meet their cleaning requirements. We are constantly working with our customers to provide the right solution for their particular needs.

The Industrial Ultrasonic Cleaner can be used in industry & mining enterprises, universities, colleges and scientific research unit laboratories, hospitals, electronics service shops, workshops, aerospace and marine parts, railway, automotive shops, assembly lines, electronic products and mechanical hardware fittings.



CUSTOM MADE ULTRASONIC CLEANER



When our standard range of industrial units cannot fit the size of the object to be cleaned or fulfill the requirements, HyTeknoloji supplies custom made solutions of industrial cleaning and degreasing machines according your needs from 30L to 8000L, single tank system or modular lines with multiple tanks with frequency ranges from 28kHz to 120kHz.

A modular system with multiple purpose tanks can be build combining ultrasonic cleaning function, prewash, rinsing tank, high pressure jet cleaning, hot air dry system, etc.

Submersible transducers can fit in any tank and hang at the sides or placed at the bottom which allows to modify any tank to an ultrasonic cleaner

FULL AUTOMATIC ULTRASONIC CLEANER SYSTEM



Full automatic ultrasonic cleaning and drying system transfer the parts to complete the cleaning process by using a mesh belt. It is designed to be suitable for unmanned automation and continuous work process as the conveyor can be linked to the transport line.

Cleaning process :

Loading → Ultrasonic cleaning → Ultrasonic rinsing → Hot air drying → Discharge

STAINLESS STEEL BASKETS



- Our baskets are made of Stainless Steel.
- It is prepared as a special design in all sizes and dimensions.
- It is resistant to rust and corrosion.
- Electropolishing and passivation processes are applied to the baskets.
- All our machines are offered to our customers as a set with a basket.



OUR CLEANING AGENTS



HY-138 CFX Ultrasonic Cleaning agent



HY-130 AC Ultrasonic Cleaning agent

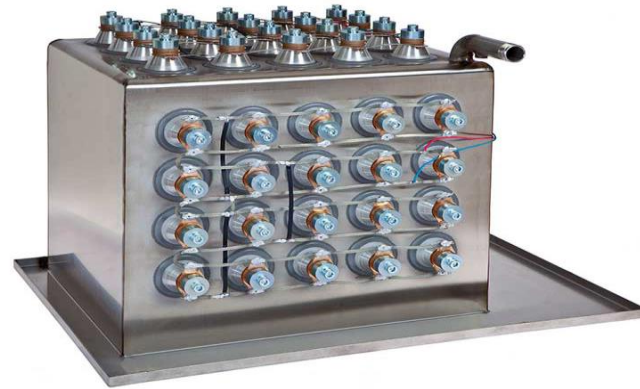
Solution Types

Water-based solutions are either Neutral (HY-138 CFX) or alkaline (HY-130 AC). They include detergents, soaps and industrial cleaners designed to remove specific soils.

Neutral water-based solutions (HY-138 CFX): It is universal. It is used for all metals and surfaces. It is super concentrated. it can also be used on plastic and glass surfaces. It is an excellent oil remover. Biodegradable.

Alkaline water-based solutions (HY-130 AC) : include carbonates, silicates and caustics. These cause emulsifying action, which keeps soil from redepositing on the cleaned surface, and improves cleaning action in hard water. It is also a powerful carbon cleaner. It is super concentrated.

WARRANTY AND TECHNICAL SERVICE



Our machines are covered by a 2-year spare parts and service warranty. The warranty certificate and all necessary documents are delivered to the user along with our machines. Additionally, detergent samples are provided to the user along with our machines.

Our Contact Information :

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