

# UL Ultrasonic Cleaners



08848-10



08849-00



08855-10

Long bed is perfect for cleaning glass pipettes.



08894-60

## Cole-Parmer Low-Cost Ultrasonic Cleaner with Timer

**Economical compact cleaner is perfect for cleaning small components**

This 15-oz ultrasonic cleaner measures only 8¾" L x 4½" W—ideal for small benchtop areas. The stainless steel tank is sealed inside an impact resistant plastic housing to prevent leaks. The cleaner features a five-minute timer that shuts off automatically. Operates at a cleaning frequency of 40 kHz.

**What's included:** a cover, parts basket, and two sample bottles of cleaning solution.

### Specifications & Ordering Info

Cat. no.	Power	Price
<a href="#">KH-08848-10</a>	117 VAC, 50/60 Hz, 19 W	
<a href="#">KH-08848-15</a>	220 VAC, 50/60 Hz, 19 W	

## Cole-Parmer One-Pint Compact Cleaner

**Compact—takes up only 5¼" x 5¼" of benchtop space**

Our 20-watt, one-pint cleaner has a frequency generator and lead zirconate-titanate transducer that produce an effective operating frequency of 55 kHz. Generator features an RFI filter.

Operation is simple—fill tank three-quarters full with cleaning solution and submerge parts using the supplied dipping basket. Turn cleaner on and items are thoroughly clean in minutes.

The 304 stainless steel tank features a smooth, rounded interior for easy cleaning. Tank interior measures 3"D x 3½" dia. The high-impact,

Cyclac® ABS plastic outer shell resists dents and dirt.

**What's included:** ABS plastic cover, dipping basket, and 5½-ft cord with plug (6-ft cord and plug on 220 VAC model).



117 VAC model only

### Specifications & Ordering Info

Cat. no.	Power	Price
<a href="#">KH-08849-00</a>	117 VAC, 60 Hz, 0.5 A	
<a href="#">KH-08849-02</a>	220 VAC, 50 Hz, 0.5 A	

## Cole-Parmer Long-Bed Ultrasonic Cleaners

**Easily accommodates pipettes and other oddly shaped items**

Our long-bed cleaners feature a large, 304 stainless steel tank—ideal for cleaning long items such as pipettes. Units operate at a cleaning frequency of 40 kHz. Model 08855-10 comes equipped with a heater and maintains solution temperature at 60°C (140°F), ±10°C (12.2°F).

**What's included:** 304 stainless steel cover and 6-ft power cord with plug (the 220 VAC unit has no plug).

### Specifications and Ordering Information



**Water outlet:** ¾" NPT(M) bottom-mounted drain

Capacity	Tank dimension (L x W x H)	Overall dimension (L x W x H)	Power	Without heater			With heater		
				Catalog no.	Amps	Price	Catalog no.	Amps	Price
2¾ gallons	9¾" x 5¾" x 6"	20½" x 6½" x 10½"	115 VAC, 50/60 Hz	<a href="#">KH-08855-00</a>	3		<a href="#">KH-08855-10</a>	3	
2¾ gallons	9¾" x 5¾" x 6"	20½" x 6½" x 10½"	220 VAC, 50/60 Hz	<a href="#">KH-08855-02</a>	3		—	—	—

[KH-08855-40](#) Replacement tank cover, 304 SS

[KH-08855-41](#) Perforated tray, 304 SS. Use to suspend items above the tank floor for efficient cleaning

## Head Ultrasonic Cavitation Meter

**Instantly measures ultrasonic energy in cleaning tanks**

- Calculate best workloads
- Detect loss of ultrasonic energy
- Compare energy level over the life of the tank

Cavitation is the expansion and rapid implosion of microscopic gas or vapor bubbles produced when high-intensity ultrasonic waves are directed into a liquid. Use the meter to determine cavitation intensity in the ultrasonic cleaning tank, to check the effect of work baskets, fixtures, and workloads, and to compare energy levels from tank to tank.

**What's included:** 16" stainless steel probe, and hanging basket.

### Specifications & Ordering Information

**Probe:** 16" stainless steel

**Meter:** 3½" analog with glass window

**Cavitation range**

For aqueous: 0 to 1000 Cavins  
For solvents: 0 to 100 Cavins

**Temperature range**

Probe: -400°F to 1000°F  
Meter: -40°F to 149°F

Cat. no.	Description	Price
<a href="#">KH-08894-60</a>	Cavitation intensity meter	

## Cole-Parmer Ultrasonic Cleaners

High-frequency 42 kHz sound waves provide greater cleaning power and increased reliability

- Sweep frequency provides uniform cleaning by creating overlapping sound waves

These cleaners transform low-frequency AC current into 42 kHz high-frequency sound waves via an electroacoustic transducer. The transducer creates sinusoidal waves, which in turn cause cavitation—the formation and violent collapse of minute vacuum bubbles in the solution. These implosions thoroughly scrub every surface with which the solution makes contact, yet are not harsh on delicate items. Cleaners also feature “sweep” frequency that provides uniform cleaning throughout the tank by creating overlapping ultrasonic waves and eliminating inconsistent cleaning due to areas of intense ultrasonic activity.

The leakproof housing features super-sealing double O-rings and recessed ventilation.

The 304 stainless steel (SS) tank is surrounded by a durable, impact-resistant polypropylene housing. Sealed membrane control panel is impervious to splashes and spills.

Choose from five sizes of cleaners—all are available with mechanical timer; with heater and mechanical timer; or with heater, digital timer, temperature monitor, and degas feature.

**What's included:** a polypropylene lid (a SS lid on 08894-series), integral handles, nonskid feet, and a 7½-ft power cord (115 VAC models include plug; 230 VAC models do not include plug). Order cleaning solutions on pages 259–262.



08891-21



08890-11

**GO to page(s) 1893**

Order the insert tray and beaker positioning cover shown with these cleaners on page 1893.

### Ultrasonic Cleaners with Mechanical Timer

Our most economical and easy-to-operate cleaners—set the time with just one quick twist of the dial. Analog mechanical timer enables controlled cleaning cycles up to 60 minutes.



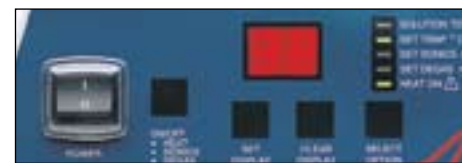
### Ultrasonic Cleaners with Heater and Mechanical Timer

For enhanced cleaning capabilities, order a cleaner with heater and mechanical timer. Maximum heater temperature is 156°F (69°C). Built-in temperature sensor prevents overheating, automatically shuts down heating and ultrasonics when solution temperature exceeds 158°F (70°C). Set cleaning cycle up to 60 minutes.



### Ultrasonic Cleaners with Heater, Digital Timer, Temperature Monitor, and Degas Feature

For critical cleaning applications, choose a cleaner with heater, digital timer, temperature monitor, and degas feature. The degas feature eliminates air bubbles from the solution for more efficient cleaning. Built-in temperature sensor prevents overheating, automatically shuts down heating and ultrasonics when solution temperature exceeds 158°F (70°C). Heater is adjustable from 68 to 156°F (20 to 69°C); set timer cleaning cycle up to 99 minutes.



### Specifications and Ordering Information



Capacity	Tank dimensions (L x W x H)	Power (50/60 Hz)	With mechanical timer			With heater and mechanical timer			With heater, digital timer, temperature monitor, and degas feature		
			Catalog number	Amps	Price	Catalog number	Amps	Price	Catalog number	Amps	Price
½ gallon*	5½" x 6" x 4"	115 VAC 230 VAC	KH-08890-01	0.8		KH-08890-11	1.3		KH-08890-21	1.4	
			KH-08890-06	0.4		KH-08890-16	0.6		KH-08890-26	0.7	
¾ gallon*	9½" x 5½" x 4"	115 VAC 230 VAC	KH-08891-01	1.1		KH-08891-11	2.0		KH-08891-21	2.0	
			KH-08891-06	0.6		KH-08891-16	1.0		KH-08891-26	1.1	
1½ gallons†	11½" x 6" x 6"	115 VAC 230 VAC	KH-08892-01	1.1		KH-08892-11	2.8		KH-08892-21	2.9	
			KH-08892-06	0.6		KH-08892-16	1.5		KH-08892-26	1.5	
2½ gallons†	11½" x 9½" x 6"	115 VAC 230 VAC	KH-08893-01	1.5		KH-08893-11	4.2		KH-08893-21	4.2	
			KH-08893-06	0.8		KH-08893-16	2.0		KH-08893-26	2.1	
5½ gallons†	19½" x 11" x 6"	115 VAC 230 VAC	KH-08894-01	2.7		KH-08894-11	8.0		KH-08894-21	8.0	
			KH-08894-06	1.4		KH-08894-16	4.0		KH-08894-26	4.0	

\*The ½- and ¾-gallon cleaners have a pour spout.

†The 1½-, 2½-, and 5½- gallon cleaners have a quick-disconnect drain.

# UL Ultrasonic Cleaners

## Cole-Parmer Stainless Steel Ultrasonic Cleaners

### Aggressive cleaning ability in a variety of sizes

- Sturdy, noncorrosive units handle all types of cleaning tasks
- Sweep frequency ensures uniform cleaning activity

Operating at 40 kHz, these ultrasonic cleaners provide aggressive cleaning power. Easy-to-clean, corrosion-resistant 304 stainless steel tanks have no corner welds or other dirt-catching surfaces. The units are enclosed in durable, powder-coated steel skirts.

Choose the size and type of cleaner that suits your needs. Each size is available in three configurations—with mechanical timer and hold function; heater and mechanical timer with hold function; or heater, digital timer, temperature monitor, and degas feature.

**What's included:** stainless steel lid, nonskid feet, and 7½-ft power cord. The 1-, 1½-, 2½-, 3½-, and 5½-gallon cleaners have a bottom-mounted drain and include tank drain kits.

Order cleaning solutions from our new "Cleaning Solutions" section on pages 259–262.

### More info

Order insert trays, beaker positioning covers, and beakers on page 1893.



08895-00

### Ultrasonic Cleaners with Mechanical Timer

Analog timer allows for controlled cleaning cycles up to 60 minutes. Turn the dial counterclockwise to the hold position for continuous operation.



08895-38

### Ultrasonic Cleaners with Heater and Mechanical Timer

Choose these cleaners for greater cleaning capability—ideal for heat cleaning any size parts. Maximum heater temperature is 140°F (60°C). Set the cleaning cycle up to 60 minutes or use the hold function for continuous operation.



08895-16

### Ultrasonic Cleaners with Heater, Digital Timer, Temperature Monitor, and Degas Feature

Use these ultrasonic cleaners for critical cleaning applications. The degas feature eliminates air bubbles from the solution for more efficient cleaning. Set degas function up to 99 minutes. Adjustable heater sets tank temperatures from 34 to 156°F (1 to 69°C). Cleaner monitors solution temperature from 50 to 167°F (10 to 75°C). Overtemperature protection prevents overheating; cleaner automatically shuts down when solution exceeds 167°F (75°C). Set timer cleaning cycle up to 99 minutes.

### Specifications & Ordering Information



Capacity	Tank dimensions (L x W x H)	Power (50/60 Hz)	Cleaners with mechanical timer			Cleaners with heater and mechanical heater			Cleaners with heater, digital timer, temperature monitor, and degas		
			Catalog number	Amps	Price	Catalog number	Amps	Price	Catalog number	Amps	Price
¾ gallon	6" x 5½" x 6"	115 VAC 220 VAC	KH-08895-00	0.8		KH-08895-02	1.3		KH-08895-04	1.4	
			KH-08895-06	0.4		KH-08895-08	0.6		KH-08895-10	0.7	
1 gallons*	9½" x 5½" x 6"	115 VAC 220 VAC	KH-08895-12	1.1		KH-08895-14	2.0		KH-08895-16	2.0	
			KH-08895-18	0.6		KH-08895-20	1.0		KH-08895-22	1.1	
1½ gallons*	11½" x 6" x 6"	115 VAC 220 VAC	KH-08895-24	1.3		KH-08895-26	2.8		KH-08895-28	2.9	
			KH-08895-30	0.7		KH-08895-32	1.5		KH-08895-34	1.5	
2½ gallons*	11½" x 9½" x 6"	115 VAC 220 VAC	KH-08895-36	1.5		KH-08895-38	4.2		KH-08895-40	4.2	
			KH-08895-42	0.8		KH-08895-44	2.0		KH-08895-46	2.1	
3½ gallons*	11½" x 9½" x 8"	115 VAC 220 VAC	KH-08895-48	1.5		KH-08895-50	4.2		KH-08895-52	4.2	
			KH-08895-54	0.8		KH-08895-56	2.0		KH-08895-58	2.1	
5½ gallons*	19½" x 11½" x 6"	115 VAC 220 VAC	KH-08895-60	2.7		KH-08895-62	8.0		KH-08895-64	8.0	
			KH-08895-66	1.4		KH-08895-68	4.0		KH-08895-70	4.0	

\*The 1-, 1½-, 2½-, 3½-, and 5½-gallon cleaners have a bottom-mounted drain.



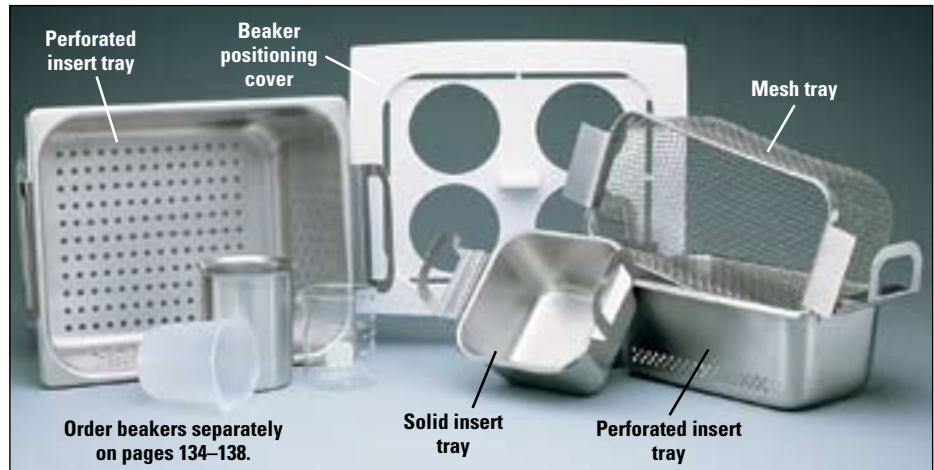
## Accessories for Ultrasonic Cleaners on Pages 1891 and 1892

### Use these accessories to achieve optimal cleaning results

Ultrasonic activity is greatest about an inch from the bottom of the tank, so suspending your items provides the best cleaning possible and helps prevent damage to the transducers.

**Insert Trays** are constructed of 304 stainless steel. Use the solid trays to support items that require indirect cleaning. Use perforated or mesh trays to support items in the tank for direct cleaning.

**Beaker Positioning Covers** are ideal for cleaning small objects or for indirect cleaning. Covers come with a beaker suspension ring. Order beakers separately on page 134–138.



Order beakers separately on pages 134–138.

### Specifications & Ordering Information

Compatible ultrasonic cleaners	Solid insert trays		Perforated insert trays		Mesh insert trays		Beaker positioning covers			
	Cat. no.	Price	Cat. no.	Price	Cat. no.	Price	Cat. no.	Beakers held	Material	Price
08890-series, 08895-00 to -10	<a href="#">KH-08850-41</a>		<a href="#">KH-08850-42</a>		<a href="#">KH-08850-45</a>		<a href="#">KH-08890-50</a>	One 600 mL	Polypropylene	
08891-series, 08895-12 to -22	<a href="#">KH-08851-41</a>		<a href="#">KH-08851-42</a>		<a href="#">KH-08851-45</a>		<a href="#">KH-08891-50</a>	Two 600 mL	Polypropylene	
08892-series, 08895-24 to -34	<a href="#">KH-08852-41</a>		<a href="#">KH-08852-42</a>		<a href="#">KH-08852-45</a>		<a href="#">KH-08892-50</a>	Three 250 mL	Polypropylene	
08893-series, 08895-36 to -58	<a href="#">KH-08853-41</a>		<a href="#">KH-08853-42</a>		—	—	<a href="#">KH-08893-50</a>	Four 600 mL	Polypropylene	
08894-series, 08895-60 to -70	<a href="#">KH-08854-41</a>		<a href="#">KH-08854-42</a>		—	—	<a href="#">KH-08894-50</a>	Six 600 mL	304 stainless steel	



Lower probe into ultrasonic cleaning tank.

Directly see the cleaning effectiveness.

**08800-00**  
Use the ultrasonic cavitation probe to determine frequency and observe ultrasonic activity.

## Ultrasonic Cavitation Probe

### Directly view ultrasonic activity and eliminate guesswork about cleaning effectiveness

Make sound waves visible! Use this cavitation probe to measure frequency in an operating ultrasonic system and evaluate actual cleaning conditions.

The probe is easy to use—lower the device into the ultrasonic cleaning tank and immediately measure the wavelength by observing the standing waves in the fluid. Since cleaning occurs only where the sound waves strike the object to be cleaned, you can directly see the cleaning effectiveness. Move the probe to any position to identify dead spots. The probe will also help you detect frequency shifts, determine sweep frequencies, reveal ultrasonic shadowing, display state of fluid degassing, and confirm ideal frequency for specific cleaning tasks. A carrying case is included. Recommended temperature range is 50 to 150°F.

### Specifications & Ordering Information

Catalog number	Description	Dimensions	Price
<a href="#">KH-08800-00</a>	Ultrasonic cavitation probe	24"L x 1" dia	

## Compact Ultrasonic Test Sieve Cleaner

### Clean your 8" (200-mm) diameter sieves safely and effectively

Simply brush sieve before inserting it into the 1½-gallon ultrasonic bath—vibrations up to 50 kHz dislodge particles from sieve frame and screen within 5 to 15 minutes (includes built-in timer). **Note:** To avoid damage to tank, do not use cleaner with acids, chlorides, solvents, or other flammables. Use only with water or cleaning solution 08801-11 sold separately at right. Cleaner features a stainless steel tank and outer casing.

### Specifications & Ordering Information

Cat. no.	Tank dimension	Overall dimension	Power	Price
<a href="#">EK-59987-10</a>	5½"H x 9" dia	10¾"H x 10¼" dia	110 VAC, 60 Hz	
<a href="#">EK-59987-15</a>			220 VAC, 50 Hz	

### Accessories

Cat. no.	Description	Price
<a href="#">EK-59987-50</a>	Lid, stainless steel	
<a href="#">EK-59987-52</a>	Basket, stainless steel	
<a href="#">EK-08801-11</a>	Cleaning solution, 1-qt bottle	

# UL Ultrasonic Cleaners

## Adjustable Waveform Ultrasonic Cleaners

### Adjustable ultrasonics let you tailor each cleaning task!

These cleaners feature unique, patented circuitry that converts the conventional ultrasonic sinusoidal waveform to a square digital waveform. Because square digital waveforms produce an adjustable, reproducible cavitation response, you can select the length of peak cavitation that your application requires.

Cavitation in a solution occurs at the threshold frequency—the frequency at which a portion of the solution transforms into its vapor phase. Upon exceeding this threshold, countless minute vacuum bubbles form and then violently implode, causing a scrubbing action. The time spent above the threshold of cavitation determines the aggressiveness of the cleaning action.

The adjustable controllers allow you to vary both the cavitation and degassing periods. Longer periods of cavitation give you aggressive cleaning, whereas shorter cavitation periods give you a gentler cleaning action. Set a longer degassing period to clean items with complex shapes; set a shorter period for items with smooth, simple shapes. The controllers feature a membrane keypad that resists splashes. Set the integral timer for up to 20 minutes or leave it at “on” for continuous unattended operation.

Cleaners have an operating frequency in the 40 kHz range. The heater maintains temperature from 140 to 158°F (60 to 70°C); temperature is not adjustable. Tough, chemical- and impact-resistant powder-coated aluminum houses a 304 stainless steel tank. An integral, gravity-fed drain system eliminates the need for fixed piping and tubing.

**What's included:** a 6-ft, three-wire cord with U.S. standard plug (the 230 VAC unit has no plug).



Cleaner  
08857-02



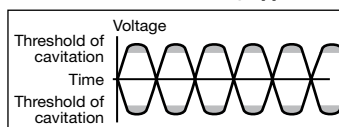
Solid pan  
08851-41

Tank cover  
08857-50

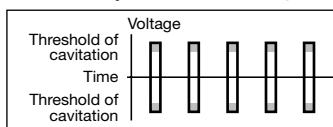
Perforated pan  
08857-64

Beaker  
positioning cover  
08857-52

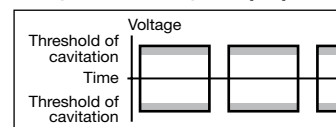
**Conventional ultrasonic sinusoidal waveform—fixed sound characteristics limit cleaning applications.**



**Square digital waveform adjusted for gentle cleaning—cleans complex, delicate parts without damage.**



**Square digital waveform adjusted for aggressive cleaning—quickly removes tough soil from large, simple parts.**



### Specifications & Ordering Information

ISO9001:2000 CERTIFIED SUPPLIER   2 year warranty

Capacity	Tank dimensions (L x W x H)	Overall dimensions (L x W x H)	120 VAC models			230 VAC models		
			Cat. no.	Amps	Price	Cat. no.	Amps	Price
¾ gallon	9½" x 5½" x 4"	13" x 9" x 9"	<a href="#">KH-08857-02</a>	1.3		<a href="#">KH-08857-07</a>	0.9	
1½ gallons	11¾" x 6" x 6"	15¼" x 9" x 11"	<a href="#">KH-08858-02</a>	2.2		<a href="#">KH-08858-07</a>	1.5	
2¾ gallons	11¾" x 9½" x 6"	15¼" x 13" x 11"	<a href="#">KH-08859-02</a>	3.3		<a href="#">KH-08859-07</a>	2.5	

### Cleaner Accessories

Solid polypropylene tank covers reduce evaporation and eliminate splashing problems. Use beaker positioning covers to suspend standard 600-mL beakers in the tank. ABS plastic beaker suspension rings (sold separately below table) allow you to suspend 250- or

400-mL beakers within the standard beaker cover. Solid stainless steel pans hold items for indirect cleaning (placing solution and item in a second pan). Perforated stainless steel pans are ideal for direct cleaning and easy removal of items from the tank.

Cleaner capacity	Polypropylene tank covers		PP beaker positioning covers		Solid stainless steel pans		Perforated stainless steel pans	
	Catalog number	Price	Catalog number	Price	Catalog number	Price	Catalog number	Price
¾ gallon	<a href="#">KH-08857-50</a>		<a href="#">KH-08857-52</a>		<a href="#">KH-08851-41</a>		<a href="#">KH-08857-64</a>	
1½ gallons	<a href="#">KH-08858-50</a>		<a href="#">KH-08858-52</a>		<a href="#">KH-08852-41</a>		<a href="#">KH-08858-64</a>	
2¾ gallons	<a href="#">KH-08859-50</a>		<a href="#">KH-08859-52</a>		—	—	<a href="#">KH-08859-64</a>	

[KH-08860-50](#) Beaker suspension ring, insert into beaker cover to suspend 250-mL beakers. Made of ABS plastic

[KH-08860-51](#) Beaker suspension ring, insert into beaker cover to suspend 400-mL beakers. Made of ABS plastic

## High-Powered Ultrasonic Cleaner

### Compact design is ideal for saving benchtop space

- Clean surfaces and cavities of hard-to-clean objects

This high-powered ultrasonic cleaner is perfect for removing grease, dust, and other contaminants from the surface and cavities of small objects. Use to clean cuvettes, lenses, glassware, stainless steel instruments, metals, and more. Operation is simple—place objects directly into the stainless steel tank or into the dipping basket (included), cover with the transparent lid and press "on".

The 90-watt transducer generates thousands of minute cleansing bubbles that vibrate at a cleaning frequency of 42 kHz. This ultrasonic cleaner will not scratch the surface or harm objects like many chemical or abrasive cleansers. Choose from five pre-programmed timing cycles (90, 180, 280, 380, and 480 seconds) that show the remaining countdown time on the large LED display. The cooling fan enables prolonged operation and prevents overheating.

**What's included:** one dipping basket and 5-ft power cord.

### Specifications & Ordering Information

Catalog number	Capacity	Tank dimensions (L x W x H)	Overall dimensions (L x W x H)	Power	Price
<a href="#">KH-08848-50</a>	1 quart	7" x 5½" x 2"	9" x 7" x 6¼"	120 VAC, 50/60 Hz	

**New**



08848-50



## Ultrasonic Generator Systems

### Tanks mount flush with countertop to save space

These industrial ultrasonic systems are designed for continuous operation. Use a 25 kHz system for aggressive cleaning; use a 40 kHz system for cleaning delicate items.

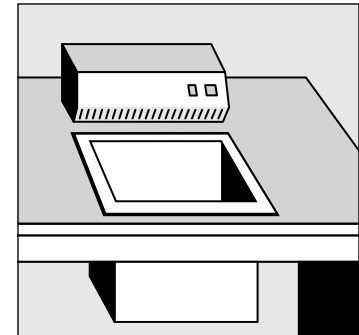
Heliarc-welded, 316L stainless steel tank is compatible with mildly acidic, neutral, or alkaline aqueous cleaning solutions. The 5.2- and 10-gallon tanks have a ¾" NPT(M) drain connection; the 22-gallon tanks have a 1" NPT(M) connection. All tanks have a ½" NPT(M) fill port on the back of the unit.

Piezoelectric transducer elements, mounted on the underside of the tank, are rated for continuous operation at temperatures to 220°F (104°C). Built-in, thermostat-controlled heater maintains solution temperature from ambient to 190°F (88°C).

Remote power supply features simple one-button operation. RFI filter complies with FCC standards. All systems come with a 6-ft power cord for hard-wiring. An 8-ft cord connects power supply and tank.



**18000-00**  
Seamless tank  
is easy to clean.



Tank can be mounted  
flush with countertop.

### Specifications & Ordering Information

Capacity	Tank dimensions (L x W x H)	Outside dimensions (L x W x H)	VAC (50/60 Hz)	No. of transducers	Frequency output	Catalog number	Amps	Price
5.2 gallons	10" x 12" x 10"	10" x 14¼" x 15½"	120	12	25 kHz	<a href="#">KH-18000-00</a>	8.4	
					40 kHz	<a href="#">KH-18000-10</a>		
10 gallons	12" x 16" x 12"	12" x 18¼" x 17½"	220	18	25 kHz	<a href="#">KH-18000-25</a>	9.2	
					40 kHz	<a href="#">KH-18000-35</a>		
22 gallons	16" x 20" x 16"	16" x 22¼" x 21¼"	220	24	25 kHz	<a href="#">KH-18000-45</a>	24	
					40 kHz	<a href="#">KH-18000-55</a>		

### Accessories

For model numbers	Covers		Baskets		
	Catalog number	Price	Catalog number	Dimensions (L x W x H)	Price
18000-00, 18000-10	<a href="#">KH-18000-60</a>		<a href="#">KH-18000-71</a>	11" x 9" x 5" (9"H with handle)	
18000-25, 18000-35	<a href="#">KH-18000-62</a>		<a href="#">KH-18000-73</a>	15" x 11" x 5" (11"H with handle)	
18000-45, 18000-55	<a href="#">KH-18000-64</a>		<a href="#">KH-18000-75</a>	19" x 15" x 5" (15"H with handle)	



Power supply can be placed up to 8 feet  
from tank for added convenience.



# UL Ultrasonic Cleaners

## Large-Capacity Stainless Steel Ultrasonic Cleaners

Capacities up to 22 gallons accommodate your large or bulky items

- Microprocessor-based controls ensure precise process management

These stainless steel cleaners easily handle a variety of industrial cleaning applications—from densely packed smaller parts to heavily soiled larger components. Choose a 25 kHz unit for aggressive cleaning; choose a 40 kHz unit for more gentle cleaning. Use the digital controls to set cleaning time from 1 to 99 minutes and temperature from ambient to 176°F (80°C).

**What's included:** stainless steel cover with handle, stainless steel wire mesh parts basket, drain valve, and 8-ft cord with plug.

### Specifications & Ordering Information

ISO9001:2000  
CERTIFIED SUPPLIER

2 year  
warranty

Catalog number	Capacity	Tank dimensions (L x W x H)	Overall dimensions (L x W x H)	Power (50/60 Hz)	No. of transducers	Frequency output	Shpg wt lb (kg)	Price
<a href="#">KH-08995-00</a>	10 gallons	12" x 16" x 13"	20¾" x 19" x 16¾"	208 VAC, 9.2 A	12	25	80 (36)	
<a href="#">KH-08995-02</a>				40				
<a href="#">KH-08995-04</a>				25				
<a href="#">KH-08995-06</a>				40				
<a href="#">KH-08995-08</a>	21 gallons	16" x 20" x 16"	24¾" x 23" x 20¾"	208 VAC, 14 A	18	25	120 (54)	
<a href="#">KH-08995-09</a>				40				
<a href="#">KH-08995-12</a>				25				
<a href="#">KH-08995-14</a>				40				



08995-00

## Multi-Frequency Ultrasonic Cleaners

Electrically-controlled discharge drain—no other ultrasonic cleaner has it!

- Aggressive cleaning at 25 kHz removes heavy contaminants
- Fine cleaning at 45 kHz—cleans tiny crevices and protects fragile surfaces
- Rugged stainless steel construction—ready for continuous industrial use

Reduce cleaning time and operating costs with these all-in-one cleaners. Degassed cleaning liquids eliminate long waiting periods and optimize cavitation. Sweeping feature ensures uniform sound field distribution. Individually control frequencies, degasser, sweep, and discharge drain.

Heater controls temperature from 20 to 85°C (68 to 185°F). Operate continuously or set timer for a period of up to 15 minutes.

The optional stainless steel cover helps cleaner retain heat. Optional stainless steel mesh baskets hold small items—order several to prepare consecutive jobs in advance.

**What's included:** heater, timer, integral handles, nonskid feet, and a 7½-ft power cord (115 VAC models have a U.S. standard plug; 230 VAC models have a European plug; 200 and 400 VAC models have open ends for a firm or fixed connection).

### Specifications & Ordering Information

ISO9001:2000  
CERTIFIED SUPPLIER



Catalog number	Capacity	Tank dimensions (L x W x H)	Overall dimensions (L x W x H)	Power (50/60 Hz)	Shpg wt lb (kg)	Price	Stainless steel covers		Stainless steel mesh baskets	
							Cat. no.	Price	Cat. no.	Price
<a href="#">KH-08871-00</a>	1.3 gallons	9¾" x 5½" x 5½"	13¾" x 11¾" x 14½"	115 VAC, 3.5 A	25 (11.4)		<a href="#">KH-08871-60</a>		<a href="#">KH-08871-70</a>	
<a href="#">KH-08871-05</a>				230 VAC, 1.7 A						
<a href="#">KH-08871-10</a>	4.0 gallons	11¾" x 9¾" x 7¼"	15¾" x 16¾" x 16½"	115 VAC, 8.7 A	33 (15.0)		<a href="#">KH-08871-61</a>		<a href="#">KH-08871-71</a>	
<a href="#">KH-08871-15</a>				230 VAC, 4.3 A						
<a href="#">KH-08871-20</a>	5.5 gallons	12¾" x 11¾" x 9"	24¼" x 27¾" x 22½"	115 VAC, 8.7 A	51 (23.2)		<a href="#">KH-08871-62</a>		<a href="#">KH-08871-72</a>	
<a href="#">KH-08871-25</a>				230 VAC, 4.3 A						
<a href="#">KH-08871-30</a>	12.0 gallons	19½" x 11¾" x 13½"	24½" x 33½" x 22½"	200 VAC, 15 A	77 (35.0)		<a href="#">KH-08871-63</a>		<a href="#">KH-08871-73</a>	
<a href="#">KH-08871-35</a>				400 VAC, 7.5 A						
<a href="#">KH-08871-40</a>	25.0 gallons	23¾" x 19½" x 13½"	33¾" x 39¾" x 22½"	200 VAC, 30 A	220 (99.8)		<a href="#">KH-08871-64</a>		<a href="#">KH-08871-74</a>	
<a href="#">KH-08871-45</a>				400 VAC, 15 A						



Cleaner 08871-20 shown with optional cover and basket

### Tank Brushes

These durable cleaning brushes feature a white plastic handle that won't support bacteria or hold water. Brushes measure 6½"L x 3⅞" dia; total length is 15½".

Bristles	Color	Cat. no.	Price
Nylon	White	<a href="#">EK-84550-00</a>	
Polyester	Blue	<a href="#">EK-84550-01</a>	
	Red	<a href="#">EK-84550-02</a>	
A-shaped nylon	Yellow	<a href="#">EK-84550-03</a>	
	Green	<a href="#">EK-84550-04</a>	



### Cole-Parmer Zymit® Enzyme Cleaner

Ideal for use in ultrasonic cleaners and glassware washers. This enzyme-based liquid cleaner removes biological materials from chemical, food, and pharmaceutical equipment. Cleaner has pH of 7.5 allowing you to use it with delicate materials and metals.

Catalog number	Quantity description	Price
<a href="#">EK-18101-30</a>	One 1-L bottle	
<a href="#">EK-18101-20</a>	Case of twelve 1-L bottles	

