

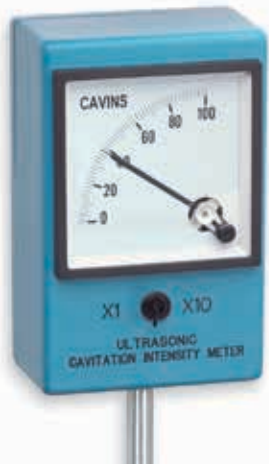
## Ultrasonic Cleaners

### Ultrasonic Cavitation Meter

#### Know ultrasonic energy instantly

- Identify best workloads and effects of accessories on cleaning or energy
- Easily detect loss of energy
- Compare energy level over the life of a tank

**What's included:** 16" (40.6 cm) stainless steel probe and hanging basket.



Cavitation range	Temperature range	Catalog number	Price
For aqueous: 0 to 1000 Cavins For solvents: 0 to 100 Cavins	Probe: -400°F to 1000°F Meter: -40°F to 149°F	<a href="#">GY-08894-60</a>	

### Cole-Parmer® One-Pint Compact Cleaner

#### Get effective cleaning in a compact unit

- Simply fill unit ¾ of the way with fluid and turn on
- Easy to clean 304 stainless steel interior is 3"D x 3½" dia
- Generates 55 kHz frequency in just 20 watts

**What's included:** ABS plastic cover, dipping basket, and cord with plug.



117 VAC model only

Power	Catalog number	Price
117 VAC, 60 Hz, 0.5 A	<a href="#">GY-08849-00</a>	
220 VAC, 50 Hz, 0.5 A	<a href="#">GY-08849-02</a>	

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### Ultrasonic Cleaning Solutions

#### Clean tanks easily

- Safely cleans stainless steel, tin, and copper
- Easily removes soils, rust, and oxides from tanks
- Phosphate-free and biodegradable



Uses	Working concentration, pH	Container size	Catalog number	Price
<b>General-purpose cleaning solution</b>				
Soils, fingerprints, tissue, light oils	10 to 12%, 11 to 12 pH	1 qt (0.9 L)	<a href="#">GY-08801-11</a>	
		1 gal. (3.8 L)	<a href="#">GY-08801-16</a>	
<b>Industrial cleaning solution</b>				
Cutting oils, metal carbon	8 to 10%, 11 to 12 pH	1 qt (0.9 L)	<a href="#">GY-08801-21</a>	
		5 gal. (18.9 L)	<a href="#">GY-08801-27</a>	
<b>Oxide remover</b>				
Rust, metal oxides	6 to 7%, 3 to 4 pH	1 gal. (3.8 L)	<a href="#">GY-08801-37</a>	
<b>Buffing compound remover</b>				
Buffing compound, rouge, tripoli	6 to 7%, 6 to 7 pH	1 gal. (3.8 L)	<a href="#">GY-08801-43</a>	
		5 gal. (18.9 L)	<a href="#">GY-08801-47</a>	

### Cole-Parmer® Long-Bed Ultrasonic Cleaners

#### Clean longer items easily

- Accommodates longer items such as pipettes
- Unit has 304 stainless steel tank and operates at a frequency of 40 kHz
- Optional heated model maintains solution temperatures of 140°F (60°C)



Long bed is perfect for cleaning glass pipettes.



#### Specifications

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

Capacity	Tank dimensions (L x W x H)	Power (50/60 Hz)	Amps	Catalog number	Price
<b>Without heater</b>					
2¾ gal. (10.4 L)	9¾" x 5¾" x 6" (24.8 x 14.6 x 15.2 cm)	115 VAC	0.7	<a href="#">GY-08855-00</a>	
		220 VAC		<a href="#">GY-08855-02</a>	
<b>With heater</b>					
2¾ gal. (10.4 L)	9¾" x 5¾" x 6" (24.8 x 14.6 x 15.2 cm)	115 VAC	3	<a href="#">GY-08855-10</a>	

[GY-08855-40](#) Tank cover, 304 SS

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

## High-Powered Ultrasonic Cleaner

Won't scratch or harm objects

- Get safe cleaning of hard-to-reach areas
- Easily remove grease, dust, and more
- Powerful, 60-watt transducer generates a frequency of 42 kHz
- Five pre-programmed cycles show remaining time on LED



**What's included:** one dipping basket and 5-ft (1.5-m) power cord.



Capacity	Tank dimensions (L x W x H)	Power	Catalog number	Price
1 quart (0.9 L)	7" x 5½" x 2" (17.8 x 14.0 x 5.1 cm)	120 VAC, 50/60 Hz	<a href="#">GY-08848-50</a>	

## Compact Ultrasonic Test Sieve Cleaner

No more straining to cleans sieves

- Easy to use—just brush off sieve, place in bath, and run
- Generates vibrations to 37 kHz to clean efficiently
- Tank volume is 1.4 gallons and measures 5½" H x 9 7/16" dia
- Ideal for sample prep



Power	Catalog number	Price
115 VAC, 60 Hz	<a href="#">GY-59987-35</a>	
230 VAC, 50 Hz	<a href="#">GY-59987-36</a>	

- [GY-59987-37](#) Lid, plastic
- [GY-59987-38](#) Basket, SS
- [GY-08801-11](#) Cleaning solution, 1-qt bottle

## Cole-Parmer® Stainless Steel Ultrasonic Cleaners

Ensure uniform cleaning of your items

- Powerful, 40 kHz sweeping frequency provides aggressive, uniform cleaning throughout bath
- Easy-to-clean, durable 304 stainless steel interior
- Order accessories on page 904

### A-B. Basic Ultrasonic Cleaners

- Control cleaning cycle up to 60 minutes, or choose continuous operation
- Get better cleaning with optional heated models—heat to 140°F (60°C)

### C. Advanced Ultrasonic Cleaners

- Get better control of your process—adjust temperature from 34 to 156°F (1 to 69°C)
- Keep track of your cycles with timer; set up to 99 minutes
- Eliminate air bubbles from solution efficiently with degas function



Capacity	Tank dimensions (L x W x H)	Power (50/60 Hz)	A. Basic cleaners with mechanical timer			B. Basic cleaners with heater and mechanical heater			C. Advanced cleaners with heater, digital timer, temperature monitor, and degas		
			Cat. no.	Amps	Price	Cat. no.	Amps	Price	Cat. no.	Amps	Price
¼ gallon	6" x 5½" x 6" (15.2 x 14.0 x 15.2 cm)	115 VAC	<a href="#">GY-08895-00</a>	0.8		<a href="#">GY-08895-02</a>	1.3		<a href="#">GY-08895-04</a>	1.4	
		220 VAC	<a href="#">GY-08895-06</a>	0.4		<a href="#">GY-08895-08</a>	0.6		<a href="#">GY-08895-10</a>	0.7	
1 gallon†	9½" x 5½" x 6" (24.1 x 14.0 x 15.2 cm)	115 VAC	<a href="#">GY-08895-12</a>	1.1		<a href="#">GY-08895-14</a>	2.0		<a href="#">GY-08895-16</a>	2.0	
		220 VAC	<a href="#">GY-08895-18</a>	0.6		<a href="#">GY-08895-20</a>	1.0		<a href="#">GY-08895-22</a>	1.1	
1½ gallons†	11½" x 6" x 6" (29.2 x 15.2 x 15.2 cm)	115 VAC	<a href="#">GY-08895-24</a>	1.3		<a href="#">GY-08895-26</a>	2.8		<a href="#">GY-08895-28</a>	2.9	
		220 VAC	<a href="#">GY-08895-30</a>	0.7		<a href="#">GY-08895-32</a>	1.5		<a href="#">GY-08895-34</a>	1.5	
2½ gallons†	11½" x 9½" x 6" (29.2 x 24.1 x 15.2 cm)	115 VAC	<a href="#">GY-08895-36</a>	1.5		<a href="#">GY-08895-38</a>	4.2		<a href="#">GY-08895-40</a>	4.2	
		220 VAC	<a href="#">GY-08895-42</a>	0.8		<a href="#">GY-08895-44</a>	2.0		<a href="#">GY-08895-46</a>	2.1	
3½ gallons†	11½" x 9½" x 8" (29.2 x 24.1 x 20.3 cm)	115 VAC	<a href="#">GY-08895-48</a>	1.5		<a href="#">GY-08895-50</a>	4.2		<a href="#">GY-08895-52</a>	4.2	
		220 VAC	<a href="#">GY-08895-54</a>	0.8		<a href="#">GY-08895-56</a>	2.0		<a href="#">GY-08895-58</a>	2.1	
5½ gallons†	19½" x 11½" x 6" (49.5 x 29.2 x 15.2 cm)	115 VAC	<a href="#">GY-08895-60</a>	2.7		<a href="#">GY-08895-62</a>	8.0		<a href="#">GY-08895-64</a>	8.0	
		220 VAC	<a href="#">GY-08895-66</a>	1.4		<a href="#">GY-08895-68</a>	4.0		<a href="#">GY-08895-70</a>	4.0	

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

## Ultrasonic Cleaners

### Cole-Parmer® Ultrasonic Cleaners

#### Quickly clean and degas samples

- High-frequency sound waves provide greater cleaning and reliability
- Gentle cleaning with 40 kHz sound waves won't damage delicate items
- Durable, leakproof design for worry-free cleaning

#### Basic Ultrasonic Cleaners

- Set timer and don't worry—control cleaning cycles up to 60 minutes
- Get better cleaning with optional heater models—heat to 156°F (69°C) with overtemperature protection

#### Advanced Ultrasonic Cleaners

- Easily control your precise applications—feature digital timer, power tracking, sleep, and degas mode
- Worry-free processes—set timer for up to 90 minutes, unit automatically compensates for heavier loads
- Get deeper cleaning with optional heater option



Capacity gal. (L)	Tank dimensions (L x W x H)	Power (50/60 Hz)	Basic cleaner with mechanical timer			Basic cleaner with mechanical timer and heater			Advanced cleaner with digital timer, power tracking, and degas			Advanced cleaner with digital timer, power tracking, high/low power, degas and heater		
			Amps	Cat. no.	Price	Amps	Cat. no.	Price	Amps	Cat. no.	Price	Amps	Cat. no.	Price
1/2 (1.9) <sup>†</sup>	6" x 5 1/2" x 4" (15.2 x 14 x 10.2 cm)	115 VAC	0.8	<a href="#">GY-08895-21</a>		1.2	<a href="#">GY-08895-23</a>		0.8	<a href="#">GY-08895-25</a>		1.3	<a href="#">GY-08895-27</a>	
		230 VAC	0.4	<a href="#">GY-08895-29</a>		0.7	<a href="#">GY-08895-31</a>		0.4	<a href="#">GY-08895-33</a>		0.7	<a href="#">GY-08895-35</a>	
3/4 (2.8) <sup>†</sup>	9 1/2" x 5 1/2" x 4" (24.1 x 14 x 10.2 cm)	115 VAC	1.1	<a href="#">GY-08895-37</a>		2	<a href="#">GY-08895-39</a>		1.1	<a href="#">GY-08895-41</a>		2	<a href="#">GY-08895-43</a>	
		230 VAC	0.6	<a href="#">GY-08895-45</a>		1.1	<a href="#">GY-08895-47</a>		0.6	<a href="#">GY-08895-49</a>		1.1	<a href="#">GY-08895-51</a>	
1 1/2 (5.7) <sup>‡</sup>	11 1/2" x 6" x 6" (29.2 x 15.2 x 15.2 cm)	115 VAC	1.1	<a href="#">GY-08895-53</a>		2.9	<a href="#">GY-08895-55</a>		1.1	<a href="#">GY-08895-57</a>		2.9	<a href="#">GY-08895-59</a>	
		230 VAC	0.6	<a href="#">GY-08895-61</a>		1.5	<a href="#">GY-08895-63</a>		0.6	<a href="#">GY-08895-65</a>		1.6	<a href="#">GY-08895-67</a>	
2 1/2 (9.5) <sup>‡</sup>	11 1/2" x 9 1/2" x 6" (29.2 x 24.1 x 15.2 cm)	115 VAC	1.5	<a href="#">GY-08895-69</a>		4	<a href="#">GY-08895-71</a>		1.5	<a href="#">GY-08895-73</a>		4.1	<a href="#">GY-08895-75</a>	
		230 VAC	0.8	<a href="#">GY-08895-77</a>		2.1	<a href="#">GY-08895-79</a>		0.8	<a href="#">GY-08895-81</a>		2.1	<a href="#">GY-08895-83</a>	
5 1/2 (20.8) <sup>‡</sup>	19 1/2" x 11" x 6" (49.5 x 27.9 x 15.2 cm)	115 VAC	2.7	<a href="#">GY-08895-85</a>		7.7	<a href="#">GY-08895-87</a>		2.7	<a href="#">GY-08895-89</a>		7.8	<a href="#">GY-08895-91</a>	
		230 VAC	1.4	<a href="#">GY-08895-93</a>		4	<a href="#">GY-08895-95</a>		1.4	<a href="#">GY-08895-97</a>		4	<a href="#">GY-08895-99</a>	

<sup>†</sup>The 1/2- and 3/4-gallon cleaners have a pour spout.    <sup>‡</sup>The 1 1/2-, 2 1/2-, and 5 1/2-gallon cleaners have a built-in pour drain.

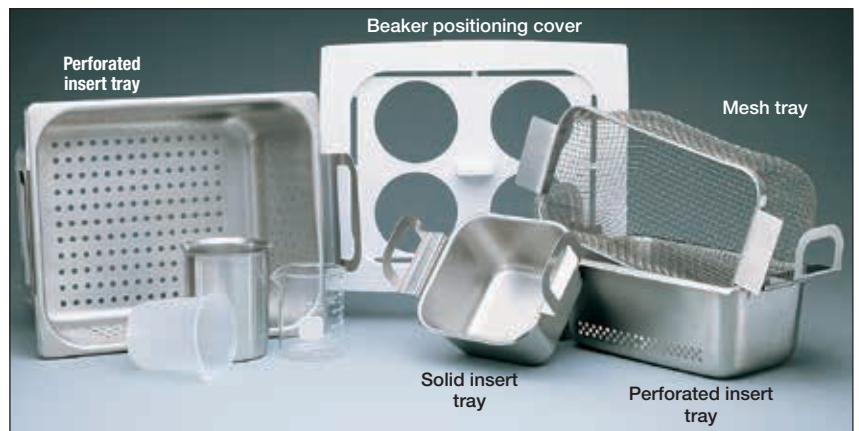
## Accessories for Ultrasonic Cleaners

### 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.



Compatible ultrasonic cleaners	Solid insert trays		Perforated insert trays		Mesh insert trays		Beaker positioning covers		
	Cat. no.	Price	Cat. no.	Price	Cat. no.	Price	Beakers held	Cat. no.	Price
08895-00; -10, 08895-21 to -35 series	<a href="#">GY-08850-41</a>		<a href="#">GY-08850-42</a>		<a href="#">GY-08850-45</a>		One 600 mL	<a href="#">GY-08890-50</a>	
08895-12; -22, 08895-37 to -51 series	<a href="#">GY-08851-41</a>		<a href="#">GY-08851-42</a>		<a href="#">GY-08851-45</a>		Two 600 mL	<a href="#">GY-08891-50</a>	
08895-24; -34, 08895-53 to -67 series	<a href="#">GY-08852-41</a>		<a href="#">GY-08852-42</a>		<a href="#">GY-08852-45</a>		Three 250 mL	<a href="#">GY-08892-50</a>	
08895-36; -58, 08895-69 to -83 series	<a href="#">GY-08853-41</a>		<a href="#">GY-08853-42</a>		—		Four 600 mL	<a href="#">GY-08893-50</a>	
08895-60; -70, 08895-85 to -99 series	<a href="#">GY-08854-41</a>		<a href="#">GY-08854-42</a>		—		Six 600 mL	<a href="#">GY-08894-50</a>	

## Ten-Gallon Heavy-Duty Ultrasonic Cleaner

### Get large items clean

- Continuous-duty, 40 kHz cleaner gets even the toughest items clean
- Turn up the heat with built-in heater that maintains solution from ambient to 175°F (79°C)
- Easy-to-clean, 304 stainless steel bath allows you to use mildly acidic, basic, or neutral solutions
- Minimize noise and heat loss with insulated tank

**Note:** Always suspend parts to be cleaned with a wire or use perforated accessory basket 08847-60 sold separately at below.

Capacity	Tank dimensions (L x W x H)	Water outlet	Power	Catalog number	Price
10 gallons (37.9 L)	16" x 14" x 10½" (40.6 x 35.6 x 26.7 cm)	½" NPT(M) bottom-mounted drain	120 VAC, 60 Hz, 12 A	<a href="#">GY-08847-00</a>	
			220 VAC, 50 Hz, 7 A (min)	<a href="#">GY-08847-02</a>	

[GY-08847-60](#) Perforated accessory basket, 304 stainless steel. Measures 15"L x 11"W x 5"H (38.1 x 27.9 x 12.7 cm), handle adds 6" (15.2 cm)

[GY-08847-90](#) Cover, 304 stainless steel



## Large-Capacity Stainless Steel Ultrasonic Cleaners

### Don't lose control of your process

- Get precise control with microprocessor based controller
- 25 KHz for aggressive cleaning, 40 KHz for fine cleaning
- Accommodate even the bulkiest items—up to 21 gallon capacity
- Easily set timer from 1 to 99 minutes and temperature to 176°F (80°C)

**What's included:** stainless steel cover with handle, stainless steel wire mesh parts basket, drain valve, and 8-ft (2.4-m) cord with plug.



Capacity	Tank dimensions (L x W x H)	Power (50/60 Hz)	No. of transducers	Frequency output	Catalog number	Price
10 gallons (37.9 L)	12" x 16" x 13" (30.5 x 40.6 x 33.0 cm)	208 VAC, 9.2 A	12	25	<a href="#">GY-08995-00</a>	
				40	<a href="#">GY-08995-02</a>	
		230 VAC, 9.2 A	12	25	<a href="#">GY-08995-04</a>	
				40	<a href="#">GY-08995-06</a>	
21 gallons (79.5 L)	16" x 20" x 16" (40.6 x 50.8 x 40.6 cm)	208 VAC, 14 A	18	25	<a href="#">GY-08995-08</a>	
				40	<a href="#">GY-08995-09</a>	
		230 VAC, 14 A	18	25	<a href="#">GY-08995-12</a>	
				40	<a href="#">GY-08995-14</a>	



## Multifrequency Ultrasonic Cleaners

### Easily drain fluids with electronic discharge drain

- Aggressive cleaning at 25 kHz, fine cleaning at 45 kHz
- Eliminate long cleaning times and optimize cavitation with degas option—removes bubbles from fluid
- Separate controls for degasser, frequency, sweep and discharge give you more control
- Get better cleaning by turning up the heat—control temperature from 20 to 85°C (68 to 185°F)
- Rugged, stainless steel construction for the most demanding application



Cleaner 08871-10 shown with optional cover and basket



Capacity	Tank dimensions (L x W x H)	Power (50/60 Hz)	Catalog number	Price	Stainless steel covers		Stainless steel mesh baskets	
					Cat. no.	Price	Cat. no.	Price
1.3 gallons (4.9 L)	9¾" x 5½" x 5⅞" (23.8 x 12.8 x 14.9 cm)	115 VAC, 3.5 A	<a href="#">GY-08871-00</a>		<a href="#">GY-08871-60</a>		<a href="#">GY-08871-70</a>	
		230 VAC, 1.7 A	<a href="#">GY-08871-05</a>					
4.0 gallons (15.1 L)	11¾" x 9¾" x 7¼" (29.8 x 23.8 x 19.8 cm)	115 VAC, 8.7 A	<a href="#">GY-08871-10</a>		<a href="#">GY-08871-61</a>		<a href="#">GY-08871-71</a>	
		230 VAC, 4.3 A	<a href="#">GY-08871-15</a>					