

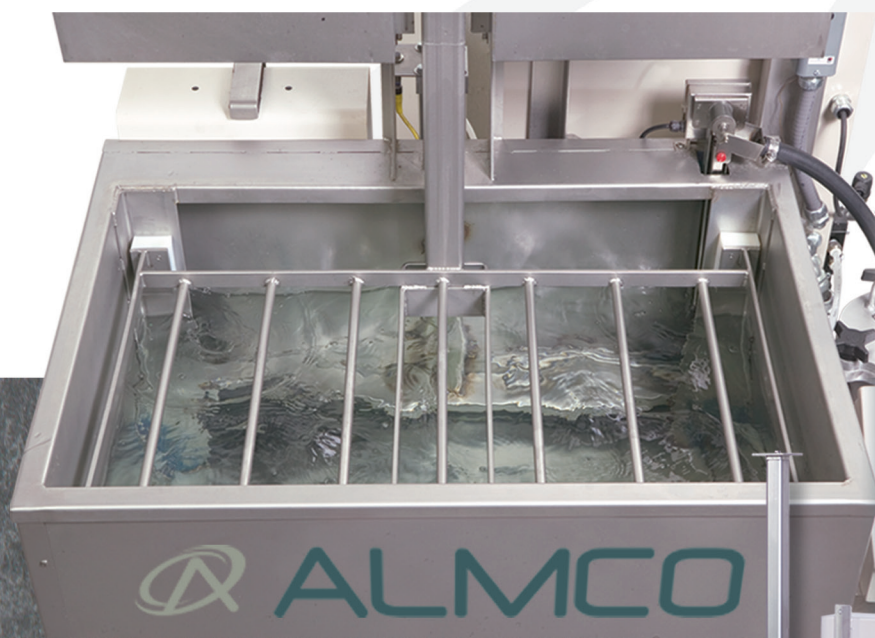


THE SCIENCE OF FINISHING

Agitation Parts Cleaner

Ultra-Sonics

Ultrasonic cleaning is a result of high frequency sound waves introduced into a cleaning liquid by means of a series of "transducers" mounted to the cleaning tank. The sound travels throughout the tank and creates waves of compression and expansion in the liquid. In the compression wave, the molecules of the cleaning liquid are tightly compressed together. Conversely, in the expansion wave, the molecules are rapidly pulled apart. The expansion is so dramatic that the molecules are ripped apart, creating microscopic bubbles. The bubbles are not seen by the naked eye since they are so small and exist for only a split second of time. The bubbles contain a partial vacuum while they exist. As the pressure around the bubbles becomes greater, the fluid around the bubble rushes in, collapsing the bubble very rapidly. This violent collapse, combined with the liquid jets velocity, provides a very intense cleaning/scrubbing action in a minute area. This scrubbing action exists throughout the cleaning bath. When utilizing detergents designed for a specific application, a synergistic cleaning action is produced.



Innovative solutions...
that drives performance for our customers

- Finest quality stainless steel
- Double wall insulated construction
- Adjustable output power controls
- 125 lb. and 200 lb. load capacity
- Electric heat
- Cartridge filter
- Oil skimmer
- Patented AirRise® cover opener
- Environmentally safe
- Leading edge technology
- Able to clean interior surfaces
- Better than mechanical cleaning
- Penetrates into cracks and crevices
- Suited to a wide variety of applications
- Best where extreme cleanliness is required
- Manufactured entirely in the USA



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ALMCO Model KT-8500 ultrasonic (non-agitation)

Underside of ALMCO Model KT-8500 showing 12 Vibra-bar® transducers

Model KT-8500

Ultrasonic generator:

- 40 kHz "simultaneous multi-frequency"
- 1000 watts RMS cleaning power
- Power requirements: 240 VAC 50/60 Hz
- Capable of continuous operations
- Power intensity control
- 4 kHz sweep output with adjustable sweep (rate 300 to 1000 Hz)
- 12 Vibra-bar® transducer modules are guaranteed not to crack, depolarize, or detach from the radiating surface for 10 years from date of shipment
- Piezoelectric transducers – 97% efficient

Heavy-duty cleaning tank:

- 14 ga. 304 stainless steel tank
- Double-wall construction
- 1" insulation
- 1250 watts of heating power
- Maximum temperature 165°F
- Adjustable thermostat
- Power requirements: 240 VAC 60 Hz
- 1/2" NPT drain valve
- 1/2" NPT overflow

Tank dimensions:

- Inside dimensions: 22" L x 15" W x 14" D

General cleaning:

- Working liquid depth: 11.5"
- Liquid capacity: 16.43 gallons
- Cleaning power: 60.87 watts/gallon

Heavy-duty cleaning:

- Working liquid depth: 10"
- Liquid capacity: 14.29 gallons
- Cleaning power: 70 watts/gallon

Model PW-125HSS-U

Ultrasonic generator:

- 40 kHz "simultaneous multi-frequency"
- 1500 watts RMS cleaning power
- Power requirements: 240 VAC 50/60 Hz
- Capable of continuous operations
- Power intensity control
- 4 kHz sweep output with adjustable sweep (rate 300 to 1000 Hz)
- 18 Vibra-bar® transducer modules are guaranteed not to crack, depolarize, or detach from the radiating surface for 10 years from date of shipment
- Piezoelectric transducers – 97% efficient

Heavy-duty cleaning tank:

- 12 ga. 304 stainless steel bottom/14 ga. Sidewalls
- Double-wall construction
- 1" insulation
- 6 KW of heating power
- Adjustable thermostat
- Power requirements: 240 VAC 60 Hz
- 125 lbs. load capacity

Tank dimensions/Carrier dimensions:

- Inside dimensions: 34" L x 24" W x 26" D
- 31-1/2" L x 16" W – carrier size

General cleaning:

- Working liquid depth: 18" above carrier
- Liquid capacity: 74 gallons
- Cleaning power: 20.2 watts/gallon

Heavy-duty cleaning:

- Working liquid depth: 13" above carrier
- Liquid capacity: 57 gallons
- Cleaning power: 26.5 watts/gallon

Model PW-200HSS-U

Ultrasonic generator:

- 40 kHz "simultaneous multi-frequency"
- 2000 watts RMS cleaning power
- Power requirements: 240 VAC 50/60 Hz
- Capable of continuous operations
- Power intensity control
- 4 kHz sweep output with adjustable sweep (rate 300 to 1000 Hz)
- 24 Vibra-bar® transducer modules are guaranteed not to crack, depolarize, or detach from the radiating surface for 10 years from date of shipment
- Piezoelectric transducers – 97% efficient

Heavy-duty cleaning tank:

- 10 ga. 304 stainless steel bottom/14 ga. Sidewalls
- Double-wall construction
- 2" insulation
- 9 KW of heating power
- Adjustable thermostat
- Power requirements: 240 VAC 60 Hz
- 200 lbs. load capacity

Tank dimensions/Carrier dimensions:

- Inside dimensions: 45" L x 28.5" W x 36" D
- 41-1/2" L x 19" W – carrier size

General cleaning:

- Working liquid depth: 18" above carrier
- Liquid capacity: 117 gallons
- Cleaning power: 17.2 watts/gallon

Heavy-duty cleaning:

- Working liquid depth: 13" above carrier
- Liquid capacity: 89 gallons
- Cleaning power: 22.5 watts/gallon

ALMCO offers a free sample part processing laboratory for your product satisfaction, performance guarantee. Contact ALMCO today to learn more about this **free service**.

