

# Ultrasonic Cleaners



# ULTRASONIC-CLEANERS Analog

For intensive cleaning, degassing emulsifying, homogenization, & the acceleration of chemical processes in the research, production, and maintenance sectors.

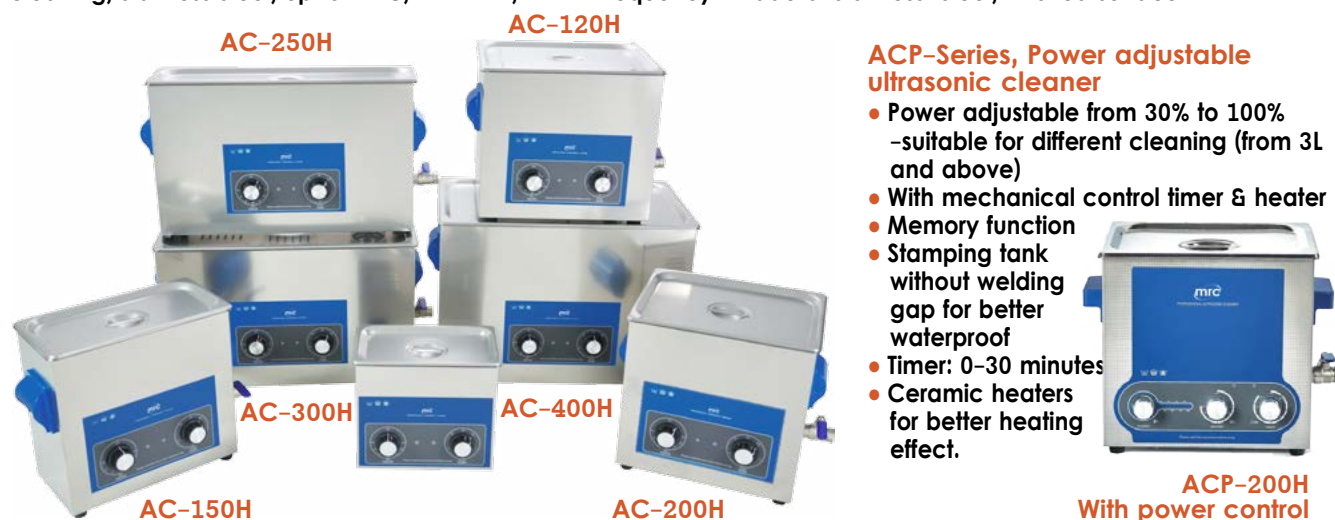
**Features:**

- Useful for Cleaning and Removing Dirt, Grease, Waxes and Oil from all Lab Instruments by Ultrasonic Frequency
- Made of Stainless Steel, Finished Surface
- Convenient Preset Function: Heating and Timer
- Bottom-Mounted Drain (except AC-120H)
- Include basket & lid.

<b>Laboratories</b>	Cleaning, degassing, homogenizing, emulsifying,
<b>Hospital, Clinics</b>	Cleaning surgical instrument, manufacture of implants and stents
<b>Dental, Tatoo</b>	Cleaning instruments for dental treatment, cleaning dental prostheses
<b>Optics</b>	Cleaning spectacles, optical lenses before coating etc.
<b>Jewelry &amp; watches</b>	Cleaning chains, rings, straps, watches parts etc.
<b>Chemical sector</b>	Cleaning reactors, acceleration of chemical reactions etc.
<b>Plastics industry</b>	Cleaning injection moulds etc.
<b>Car &amp; Aircraft industry</b>	Cleaning engine parts carburators etc.
<b>Mobile phones &amp; Electronics</b>	Cleaning PCB boards
<b>Printing shops</b>	Cleaning ink cassetes

**AC-Analog Series**

Ultrasonic cleaner-set with analog timer & temperature controller, with wire basket & lid, highly effective & efficient cleaning, stainless steel, up to 80°C, 0~20min, 40kHz frequency. Made of stainless steel, finished surface.



- ACP-Series, Power adjustable ultrasonic cleaner**
- Power adjustable from 30% to 100% –suitable for different cleaning (from 3L and above)
  - With mechanical control timer & heater
  - Memory function
  - Stamping tank without welding gap for better waterproof
  - Timer: 0-30 minutes
  - Ceramic heaters for better heating effect.

Analog	AC-120H	AC-150H	AC-200H	AC-250H	AC-300H	AC-400H
Analog+Power controll	ACP-120H	ACP-150H	ACP-200H	ACP-250H	ACP-300H	ACP-400H
<b>Operating Frequency</b>	40Khz	40Khz	40Khz	40Khz	40Khz	40Khz
<b>Tank capacity (Liters)</b>	3	6	9	13	20	27
<b>Internal tank size(mm)</b>	L240xW140xH100	L300xW155xH150	L300xW240xH150	L330xW300xH150	L500xW300xH150	L500xW300xH200
<b>External DIM.(mm)</b>	L270xW170xH240	L330xW180xH310	L330xW270xH310	L360xW330xH310	L550xW330xH310	L550xW330xH360
<b>Internal tank stuff</b>	SUS 304 #1.0t					
<b>External stuff</b>	Steel plate toast paint					
<b>LID cover stuff</b>	Stainless steel SUS 304					
<b>Timer</b>	1-20 min (ACP-Series: 1-30 min)					
<b>Ultrasonic power (AC Series)</b>	100W	150W	200W	300W	400W	500W
<b>Power adjustable (ACP Series)</b>	30 - 100W	45 - 150W	60 - 200W	90 - 300W	120 - 400W	150 - 500W
<b>Heating Power</b>	100W	300W	300W	400W	500W	500W
<b>Net Weight</b>	3.2Kg	6.2Kg	8.2Kg	10.2Kg	13.2Kg	14.9Kg
<b>Drainage</b>	None	Have				
<b>Power source</b>	AC100~120V/AC220~230V 50/60Hz					



**DC-Power Full Series**

**Digital Ultrasonic Cleaner-set, with Wire Basket & Lid, Highly Effective & Efficient Cleaning, Stainless Steel, up to 70°C ,0-99min., Frequency 40KHz**

- Useful for Cleaning to Remove Dirt, Grease, Waxes and Oil from all Lab instruments by Ultrasonic Frequency.
- Microprocessor Control: Timer, Temperature and Output Control.
- Frequency: up to 40kHz.
- Temperature Range from Ambient to 70°C.
- Convenient Pre-set Function: Heating and Timer.
- Bottom - Mounted Drain (Except DC-80H & DC-120H).
- Maximum 99 minutes Set Cleaning Time.
- Include Basket & Lid.



**DCG-200H**  
With degas function

**DCG-H Series, Digital Ultrasonic Cleaners with Degas Function Features:**

- Turbo power: Normal and soft function to resolve the cleaning blind spot
- Auto-degas function for laboratory purposes
- Memory function
- Automatically ultrasonic frequency tracking
- LED display for temperature and timer
- Timer: 1-99 minutes
- Temperature: 0-80°C
- SUS304 tank. Stamping tank without welding gap for better waterproof
- User-friendly and clear panel.
- High-performance transducer systems
- Drainage and cool fan are available for 6L and above volume models, convenient to use.
- Ultrasonic Frequency: 40KHz.



**DCG-80H**  
With degas function

**Applications:**

- Hospital and Dental Clinics • Optical Stores and Makers • Biology and Chemical Labs • Jewelry Store & Maker • Watch Service Shops • Mobilephone and Electronics Service Shops • Shooting Clubs & Printing Shops • Automotive shop • Hardware • Tatoo • Aerospace & marine parts.

Model - Digital	DC-80H	DC-120H	DC-150H	DC-200H	DC-250H	DC-300H	DC-400H
Model - Degasing	DCG-80H	DCG-120H	DCG-150H	DCG-200H	DCG-250H	DCG-300H	DCG-400H
<b>Operating frequency</b>	40 KHz						
<b>Tank Capacity (Liters)</b>	2	3	6	9	13	20	27
<b>Internal tank size (LxWxH) (mm)</b>	150x140x100	240x140x100	300x155x150	300x240x150	330x300x150	500x300x150	500x300x200
<b>External dimension (LxWxH) (mm)</b>	190x170x220	270x170x240	330x180x310	330x270x310	360x330x310	550x330x310	550x330x360
<b>Internal tank stuff</b>	SUS 304 #1.0t						
<b>External stuff</b>	Steel plate toast paint						
<b>LID cover stuff</b>	Stainless steel SUS 304						
<b>Timer</b>	1-99min						
<b>Ultrasonic power</b>	50W	100W	150W	200W	300W	400W	500W
<b>Heating Power</b>	100W	100W	300W	300W	400W	500W	500W
<b>Net weight</b>	1.9kg	2.9kg	5.8kg	8.8kg	10.2kg	13.2kg	14.9kg
<b>Drainage</b>	None	None	Have				
<b>Power source</b>	AC100~120V/AC220~240V 50/60Hz						

## DCS-Series, Multi Function Ultrasonic Cleaners

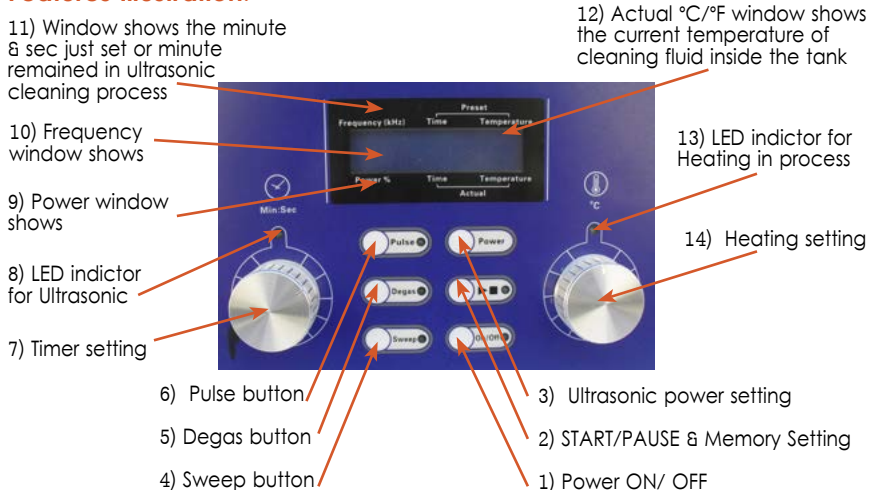
### Functions:

- **Degassing** is the removal of dissolved oxygen trapped in a liquid. In ultrasonic cleaning systems, trapped, dissolved oxygen in the ultrasonic cleaning solution will hinder the ability of the system to clean. This dissolved oxygen must be removed from the bath by quick degassing before cleaning.
- The **Sweep function** guarantees an optimum sound field distribution in the cleaning bath due to a modulation of the frequencies.
- **Pulse** – activatable power increase of approx. 20% by inforcement of the peak performance
- Ultrasonic **power set** 40%- 70%- 100%.

### Features Illustration:



DCS-400H



- All the buttons are touch-sensitive
- LCD window shows
- Electronic time & temperature control
- Autostart temperature-controlled / temperature pre-selection
- Separate excitation type
- High-performance transducer systems
- Dry run proof ceramic heating
- 0-60 Min timer, 0-80°C heating
- Quick degassing before cleaning
- Improved cleaning uniformity with sweep
- Boost high-strength cleaning power 120% with Pulse
- Ultrasonic power set 40%- 70%- 100%
- Safety switch-off.



Model	DCS-120H	DCS-150H	DCS-200H	DCS-250H	DCS-300H	DCS-400H
Operating Frequency	37Khz					
Tank capacity (Liters)	3	6	10	15	20	27
Internal tank size(mm)	L238xW138xH100	L302xW152xH150	L302xW239xH150	L325xW295xH150	L498xW296xH150	L498xW296xH200
External DIM.(mm)	L270xW170xH240	L330xW180xH310	L330xW270xH310	L360xW330xH310	L550xW330xH310	L550xW330xH360
Internal tank stuff	SUS 201 #1.0t					
External stuff	SUS 201					
LID cover stuff	Stainless steel SUS 201					
Timer	0+60 min					
Ultrasonic power	160W	240W	320W	360W	480W	640W
Heating Power	100W	300W	500W	500W	600W	800W
Net Weight	3.2Kg	6.2Kg	8.2Kg	10.2Kg	13.2Kg	14.9Kg
Drainage	None				Have	
Power source	AC100~120V/AC220~230V 50/60Hz					

**DCF-H Series**



**Applications:**

Special use for industry of laboratory, medical, biochemistry, microbiology, physics, agronomy, foodstuff, pharmacy, etc. For cleaning, cell separation, cell lysing, mixing, extraction, emulsifying, sonochemistry, sample preparation, nano-fabrication & degassing of liquids.

**DCF-H Series, Noiseless Ultrasonic Cleaners**

**Functions:**

- Super low noise machine. Noise level less than 60dB
- Power adjustable: 40%,70% and 100%, ensure that more fragile, delicate glassware is not damaged
- 3 kinds of different frequencies (45kHz,65kHz,45&65kHz) to meet different cleaning requirements
- Extended degassing capabilities(up to 60mins) allow for "beyond cleaning" applications for sample preparation
- Intelligent LCD operation panel two language for free choose: English and Chinese
- Temperature (°C/°F) for option
- Side-mounted drainage valve (except for 3L)
- Easy one-button operation
- Memory function
- Completely programmable, you can freely set parameters as required
- Patent products.



Model	DCF-120H	DCF-150H	DCF-200H	DCF-400H
<b>Operating Frequency</b>	37Khz			
<b>Volume (Liters)</b>	3	6	10	30
<b>Tank size (LxWxH) (mm)</b>	L240xW114xH100	L300xW155xH150	L300xW240xH150	L498xW296xH200
<b>Unit size (LxWxH) (mm)</b>	L320xW165xH285	L400xW180xH315	L400xW270xH315	L605xW330xH385
<b>Ultrasonic power (W)</b>	100	150	200	500
	40%, 70%, 100% adjustable			
<b>Heating power (W)</b>	100	300	300	500
<b>Frequency (kHz)</b>	Three frequency for option: 45kHz, 65kHz, 45&65kHz			
<b>Temperature (°C/°F)</b>	0-65°C/32-149°F			
<b>Timer</b>	1-60mins/ untimed			

**SONICA 36L/40L/65L/96L/117L/157L/206L, Industrial Ultrasonic Water Bath Cleaners**

**Applications:**

Industry Ultrasonic Cleaner can be used in industry & mining enterprise, universities, colleges and scientific research unit laboratory; Hospital; Electronic workshop assembly line; Clock and watch eyeglasses shop, jewelry; Jeweler's shop, Electronic products, mechanical hardware fitting, eyeglasses, jewelry, clock and watch, money, fruit and so on. The Industry Ultrasonic can also be used in household, to clean personal articles such as gold and silver jewelry, necklaces, earrings, glasses & nozzles.



**SONICA-96L**

**Features:**

- Whole machine made of SUS304 stainless steel for acid-proof, anti-corrosive, 2mm thickness.
- Industrial grade ultrasonic transducer, moisture-proofed PCB
- Temperature can be set from 30-110°C
- Industrial grade for 24 hours continuous working
- Advanced generator, sweep frequency, high quality, better effect
- Ultrasonic frequency: 28Khz (optional: 40, 68, 80 or 120Khz)
- Material: Stainless steel with diamond-shaped figures. (Tank, Housing, Basket, Lid)
- High-performance transducer, steady & durable performance
- Secure and stable PCBA
- Ultrasonic power can be adjusted from 0-100%.

Model	Dimensions (LxWxH)mm	Volume (L)	Ultrasonic Power (W)	Ultrasonic Frequency (KHz)	Heating Power (W)	Heating Temp. (°C)
<b>SONICA 36L</b>	510x300x250	36	720	28/40	500	30-110
<b>SONICA 40L</b>	400x300x330	40	720	28/40	2000	30-110
<b>SONICA 65L</b>	500x350x360	65	1080	28/40	3000	30-110
<b>SONICA 96L</b>	600x400x400	96	1440	28/40	4000	30-110
<b>SONICA 117L</b>	650x450x400	117	1800	28/40	4000	30-110
<b>SONICA 157L</b>	700x500x450	157	2160	28/40	5000	30-110
<b>SONICA 206L</b>	750x550x500	206	2520	28/40	6000	30-110

# ULTRASONIC-CLEANERS

## CAV-METER-2, Cavitation Meter

Our Ultrasonic Cleaning Cavitation Intensity Meter instantly measures ultrasonic energy (cavitation) directly in ultrasonic cleaning tanks. It is used to measure ultrasonic energy simply by dipping the cavitation meter probe into an ultrasonic tank. It is very rugged and built to last a lifetime. The solid stainless steel probe can be used in any harsh chemical & extreme environments.



### With our cavitation meter, one can:

- Detect loss of ultrasonic energy with periodic readings
- Calculate best work loads
- Determine most efficient baskets & work fixtures
- Compare energy from tank to tank
- Compare energy level over life of tank
- Compare energy in tank loaded & unloaded
- Day to day comparative readings.

Model	CAV-METER-2
Range	0-100, 0-1000, 0-5000 Cavins
Self powered	No batteries
Weight	1Kg
Temperature range	Probe -100°C to +400°C, Meter 0 to +50°C
Standard probe	16" stainless steel indestructible
Optional probes	22", 28", or remote
Case	ABS
Meter	3.75" analog with glass window

