BRANSON

Bransonic® Baths

The simple, reliable solution to quality precision cleaning

EMERSON
Industrial Automation

BRANSON: A Recognized Leader in Ultrasonics Worldwide

For over 60 years, Branson has been the leader in the development of advanced ultrasonics and its application to a variety of uses.

Branson is recognized worldwide as an innovator, pioneering the use of the rugged, reliable 40 kHz transducers in sweep frequency baths.

Bransonic® baths are used widely in laboratory, light industrial, dental, medical, and specialty applications:

Laboratory/medical/special utilities: Cleaning of instruments or special parts, metal components, glass and ceramic.

Industrial/basic cleaning: Removing soils, contaminants, oils, and compounds from light industrial parts, electronics, jewelry, etc.

Beyond cleaning: Sample preparation; degassing liquids, mixing and homogenization, dissolving solids, lysing and dispersion of particles.

The Branson reputation for impeccable quality and reliable ultrasonics is unsurpassed. Our global network of distributors ensures that you will have the machinery, accessories, supplies, and support you need to meet your basic cleaning needs for the most demanding applications.

Bransonic® Ultrasonic Baths

Branson's innovations include our signature elevated control panel, positioned above and behind the bath to avoid damage and increase operator safety. And with our unique sweep frequency technology to eliminate standing waves and create even cleaning, and our pioneering 40 kHz industrial transducers, Bransonic ultrasonic baths have been the industry standard for quality, reliability, and precision.

The CPX Series

Advanced technology and digital performance in our most robust, versatile, ultrasonics baths.

The CPX Series features a variety of technological enhancements:

- **Constant activity/power tracking** automatically maintains the same ultrasonic power supply by adjusting for changes in liquid level and temperature caused by a light or heavy load. This helps ensure more uniform cleaning and consistent performance, even with multiple users or when bath conditions change.
- **Assures uniform, precision cleaning** over the entire urface, and consistent cavitation that reaches and cleans even tiny crevices on the parts.
- **High/low power control** adjusts the acoustic energy in the bath. It can be set at 100% power for normal or heavier loads, or at 70% power for lighter and more delicate applications, helping to protect delicate components from potential damage.
- **Temperature settings** are available up to 69C/156.2F as either Celsius or Fahrenheit, and can be programmed through the front panel for easy access and monitoring. Plus provides for convenient re-calibration when needed onsite.
- **High-temperature alarm/auto shut-off** for added safety.

Bransonic CPX Series

- **Continuous Time Mode** for unlimited ultrasonic time
- **Degassing and conditioning of solutions** through advanced wave modulation of up to 99 minutes also allow for a variety of sample prep applications.
- **Last stored parameters are recalled** when unit is turned back on

The CPX extended degassing capabilities (up to 99 minutes) allow for "beyond cleaning" applications for sample preparation such as mixing and homogenization, dissolving solids, cell lysing, and particle dispersion.

The CPX Series Features

Degassing periods of up to 99 minutes also allow for various sample prep applications.

CPX is completely programmable, so engineers can choose temperature, start, and stop times for "set-it-and-forget-it" operation.

Digital timer allows for continuous ultrasonic operation up to 99 minutes.

Temperature can be set for either Fahrenheit or Celsius up to 69°C/156.2°F.

Ultrasonic power tracking maintains steady, consistent activity in the bath when conditions change.

High/low power control provides safer cleaning of delicate components. 100% power for normal or 70% for delicate applications.

The M Series

The value leader for quality and reliability.

The Bransonic M series includes two simple-to-use models: the M and MH Series. Both series are designed for basic yet effective cleaning, with set-it-and-forget-it mechanical timers. MH Series units also offer a heating option. And both series are excellent for use in a variety of applications:

- Laboratories and dental offices
- Electronic components
- Industrial parts
- Jewelry and precious metals

Bransonic M Series

Precision cleaning for all types of applications

Bransonic baths are in use worldwide, providing simple, effective results for the ultimate in ultrasonic cleaning.

Laboratory
Thoroughly removes blood, protein, and contaminants on such tools as glassware, lenses, instruments, and precision components.

Medical and Dental Labs
Offers a safer, more consistent way to clean dental and medical instruments in combination with sterilization.

Industry
Deep cleans to remove dirt, grease, waves, and oils from industrial parts and components of all kinds, including steel, light and nonferrous metals, plastic, and glass.

Electronics
Completely removes flux and contaminants from such precision components as PC boards, SMDs, quartz crystals, capacitors, and many others.

Jewelry
Thoroughly cleans and restores brilliance to watches, chains and charms, settings, coins, fine jewelry, and clockworks.

Optical
Ensures precision cleaning of optics.

Beyond cleaning
Branson ultrasonic cleaners also can be used for sample preparation; degassing liquids, mixing and homogenization, dissolving solids, lysing and dispersion of particles.

Bransonic® Solutions

Accessories
Bransonic® ultrasonic baths also can be accessorized to best suit your specific cleaning or laboratory needs. Choose the appropriate suspension method for your applications, solid or perforated tray, basket, support rack, and beaker holder to customize each unit as needed.

The Right Cleaning Solution
It's the most important decision you can make. A large variety of excellent formulations are available, designed for specific applications. Proper selection is crucial for acceptable cleaning activity and to preclude undesirable reactivity with the items being cleaned.

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Bransonic® Aqueous Solutions

Bransonic® Baths Feature Finder

Feature	M Series	MH Series	CPX Series	CPXH Series
Timer	**60-minute Mechanical**	**60-minute Mechanical**	**99-minute Digital**	**99-miniute Digital**
Tank Capacity .5 g to 5.5 g / 1.9 to 20 liters	•	•	•	•
Cover	•	•	•	•
Continous Mode	•	•	•	•
Sweep Frequency 40 kHz Transducer	•	•	•	•
Heater		•		•
Dual Power			•	•
Power Tracking			•	•
Degas Wave Modulation			•	•
°C or °F Temp			•	•
Auto Ultrasonics Activation			•	•
High-temp Alarm			•	•
Front Panel Auto Temp Calibration			•	•
Operating Parameters Stored and Saved			•	•

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