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Bransonic® CPXH Ultrasonic Baths

General Description

Bransonic CPXH heated ultrasonic baths are the most technologically advanced ultrasonic baths available. With programmable features, digital operation with power tracking capabilities to adjust for light or heavy loads, high/low power control, and degassing, the CPXH is the most versatile system available.

The CPXH baths offer the following features:

• Sweep frequency eliminates standing waves and creates consistent cavitation throughout the tank.

• 40 kHz rugged industrial transducers.

• 99-minute digital timer and continuous ultrasonic operation.

• Can be heated up to 69°C/156.2°F and set for either Fahrenheit or Celsius.

• Last stored parameters are recalled when unit is turned back on.

• **Degassing and conditioning the solution:** The CPXH degassing period can be set up to 99 minutes. Extended degas time periods allow for "beyond cleaning" applications such as sample preparation, which includes degassing liquids, mixing and homogenization, dissolving solids, cell lysing, and dispersion of particles.

• **Constant activity/power tracking** automatically maintains the same ultrasonic power 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.

Consult with your Branson representative about the Bransonic accessories and solution best suited for your application needs. **Visit us at www.Bransonic.com**

• **Programmable:** The CPXH Series is completely programmable. Once the process is entered into the controller, the end user only has to start the program and they are free to leave the unit on its own to do the job. The programmable process allows the process engineer to choose the temperature set point at which the degassing and ultrasonic time periods are triggered to begin. Once the CPXH ultrasonic run time period is reached, the unit shuts off, delivering the same results – every time.
  – Automatic ultrasonic activation: When the process temperature reaches the programmable set point, the ultrasonic cycle begins. This includes selectable times for both degas and ultrasonic processing.

• **High/low power control:** When cleaning delicate parts, the CPXH allows the user to lower the amplitude of the acoustic energy in the bath: 100% power to the tank for normal applications, 70% power for delicate applications. Manipulating the output waveform in this manner greatly helps to avoid damage to the components in the bath during the ultrasonic process.

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- High-temp safety alarm indicator for protection from unit overheating.

- Temperature calibration is user accessible through front panel.

- Controls are located above and behind the cleaning tank in an easily accessible control tower panel, and raised above the tank to avoid damage from cleaning solutions.

- Convenient built-in pour drains are featured on .5- and .75-gallon models. Tank drains with valves are incorporated on models 1.5-gallon and larger.

- Plastic body, chemical-resistant.

CPXH Series (Digital timer with heat)

Ordering Part No.	Voltage	Model 1800	Model 2800	Model 3800	Model 5800	Model 8800
	120 V	CPX1800H	CPX2800H	CPX3800H	CPX5800H	CPX8800H
Part No.		CPX-952-118R	CPX-952-218R	CPX-952-318R	CPX-952-518R	CPX-952-818R
	230/240 V	CPX1800H-E	CPX2800H-E	CPX3800H-E	CPX5800H-E	CPX8800H-E
Part No.		CPX-952-138R	CPX-952-238R	CPX-952-338R	CPX-952-538R	CPX-952-838R

Specifications

	Model 1800	Model 2800	Model 3800	Model 5800	Model 8800
Tank Capacity					
Liters/Gallons	1.9/0.5	2.8/0.75	5.7/1.5	9.5/2.5	20.8/5.5
Tank Size (L/W/D)					
Inches	6 x 5.5 x 4	9.5 x 5.5 x 4	11.5 x 6 x 6	11.5 x 9.5 x 6	19.5 x 11.5 x 6
mm	150 x 140 x 100	230 x 140 x 100	290 x 150 x 150	290 x 240 x 150	495 x 290 x 150
Overall Size (L/W/D)					
Inches	9.9 x 12 x 11.9	13.3 x 12 x 11.9	15.6 x 12.5 x 14.8	15.6 x 15.8 x 14.9	23.5 x 18.3 x 15.4
mm	251 x 304 x 302	337 x 304 x 302	397 x 317 x 377	397 x 401 x 378	596 x 466 x 391
Weight					
Pounds/Kilograms	9/4.1	10/4.5	14/6.4	16/7.3	28/12.7
Frequency	40 kHz	40 kHz	40 kHz	40 kHz	40 kHz
Drain	No	No	Yes	Yes	Yes

NOTE: Tank cover included. For optimum cleaning results, Branson offers a line of accessories including perforated trays, solid trays, beaker covers and support racks for your application needs.

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Bransonic® M and MH Ultrasonic Baths

General Description

Bransonic M and MH Series cleaners are known for offering a level of precision and reliability you have come to expect from Branson.

- M Series includes 60-minute mechanical timer and continuous operation.

- MH Series includes 60-minute mechanical timer and continuous operation with heating capability.

M and MH Series cleaners offer the following features:

- Sweep frequency eliminates standing waves and creates consistent cavitation throughout the tank.

- 40 kHz rugged industrial transducers.

- Controls are located above and behind the cleaning tank in an easily accessible control tower panel, and raised above the tank to avoid damage from cleaning solutions.

- Convenient built-in pour drains are featured on .5- and .75-gallon models. Tank drains with valves are incorporated on models 1.5-gallon and larger.

- Plastic body, chemical-resistant.

- **Constant activity/power tracking** automatically maintains the ultrasonic power 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.

Consult with your Branson representative about the Bransonic accessories and solution best suited for your application needs. **Visit us at www.Bransonic.com**

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M Series (Mechanical timer)

Ordering Part No.	Voltage	Model 1800	Model 2800	Model 3800	Model 5800	Model 8800
	120 V	M1800	M2800	M3800	M5800	M8800
Part No.		CPX-952-116R	CPX-952-216R	CPX-952-316R	CPX-952-516R	CPX-952-816R
	230/240 V	M1800-E	M2800-E	M3800-E	M5800-E	M8800-E
Part No.		CPX-952-136R	CPX-952-236R	CPX-952-336R	CPX-952-536R	CPX-952-836R

MH Series (Mechanical timer with heater)

Ordering Part No.	Voltage	Model 1800	Model 2800	Model 3800	Model 5800	Model 8800
	120 V	M1800H	M2800H	M3800H	M5800H	M8800H
Part No.		CPX-952-117R	CPX-952-217R	CPX-952-317R	CPX-952-517R	CPX-952-817R
	230/240 V	M1800H-E	M2800H-E	M3800H-E	M5800H-E	M8800H-E
Part No.		CPX-952-137R	CPX-952-237R	CPX-952-337R	CPX-952-537R	CPX-952-837R

Specifications

	Model 1800	Model 2800	Model 3800	Model 5800	Model 8800
Tank Capacity					
Liters/Gallons	1.9/0.5	2.8/0.75	5.7/1.5	9.5/2.5	20.8/5.5
Tank Size (L/W/D)					
Inches	6 x 5.5 x 4	9.5 x 5.5 x 4	11.5 x 6 x 6	11.5 x 9.5 x 6	19.5 x 11.5 x 6
mm	150 x 140 x 100	230 x 140 x 100	290 x 150 x 150	290 x 240 x 150	495 x 290 x 150
Overall Size (L/W/D)					
Inches	9.9 x 12 x 11.9	13.3 x 12 x 11.9	15.6 x 12.5 x 14.8	15.6 x 15.8 x 14.9	23.5 x 18.3 x 15.4
mm	251 x 304 x 302	337 x 304 x 302	397 x 317 x 377	397 x 401 x 378	596 x 466 x 391
Weight					
Pounds/Kilograms	7/3.2	9/4.1	12/5.4	14/6.4	26/11.8
Frequency	40 kHz	40 kHz	40 kHz	40 kHz	40 kHz
Drain	No	No	Yes	Yes	Yes

NOTE: Tank cover included. For optimum cleaning results, Branson offers a line of accessories including perforated trays, solid trays, beaker covers and support racks for your application needs.

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BRANSONIC®
MODEL B200
ULTRASONIC CLEANER

TYPICAL APPLICATIONS

JEWELRY

The Model B200 ultrasonic cleaner, when used with Branson's Jewelry Cleaner, is all you need to clean jewelry items such as gold, gemstones, platinum, rings, and watch bands.

Branson's Jewelry Cleaner Concentrate is a specialized, biodegradable, phosphate-free alkaline cleaner for jewelry and precious metals. A unique blend of nonionic surfactants, detergent bases, and wetting agents provides a safe cleaning medium for valuable jewelry. Gemstones and precious metals are quickly restored to their original brilliance with this free-rinsing solution.

OPTICS

The Model B200 can also be used with Branson's Optical Cleaner for cleaning of contact lenses, eyeglasses, and other optical components. Effective for the removal of handling soils such as fingerprints and dust, it will also remove a wide range of other contaminants.

OTHER CLEANING APPLICATIONS

- Instrument & clock parts
- Small geological samples
- Coins & hobby items
- Small electrical/electronic components
- Metal & plastic machined parts
- Recorder & drafting pens

Branson's Model B200 ultrasonic cleaner is compact and stylish, with the convenience of plug-in-anywhere operation. While designed to clean jewelry and optical pieces quickly and effectively, it also has the ultrasonic cleaning ability to handle a wide variety of other applications.

The Model B200 contains a stainless steel tank with a 15-ounce capacity. The tank is contained within an impact-resistant plastic housing. A cover and parts basket are included as standard accessories. This versatile unit features a 5-minute timer that shuts off automatically. All you need to do is add the appropriate solution for your application, clean your parts, and follow with a thorough rinse.

The cleaner uses ultrasonic energy (40 kHz) in the form of sound waves to create millions of tiny microscopic vacuum cavities in the solution. As these cavities collapse, they release high frequency energy, loosening dirt on all surfaces that the solution touches. This activity, called cavitation, occurs thousands of times per second to gently yet thoroughly scrub contamination off the article being cleaned. When you lift your parts out of the cleaner, they are microscopically clean.

SPECIFICATIONS

Model Number	B200, 117V, 60 Hz	B200, 220V, 50/60Hz
Tank Capacity	15 ounces	15 ounces
Tank Dimensions	6½"L x 3½"W x 2¼"D	6½"L x 3½"W x 2¼"D
Overall Dimensions	8¾"L x 4½"W x 5"D	8¾"L x 4½"W x 5"D
Shipping Weight	3 lbs.	3 lbs.
Part Number	100-951-010	100-951-011