

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, degassing and sleep mode, 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.
- **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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- **Sleep mode:** Unit is automatically shut down if control keys are not touched within 15 minutes of cycle end. To restart, press any key.
- 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	.5 Gallon	.75 Gallon	1.5 Gallon	2.5 Gallon	5.5 Gallon
Grainger Part No.	120 V	39J353	39J357	39J361	39J365	39J369
Branson Part No.		CPX-952-118R	CPX-952-218R	CPX-952-318R	CPX-952-518R	CPX-952-818R

Specifications

Tank Capacity

Liters/Gallons	1.9/0.5	2.8/0.75	5.7/1.5	9.5/2.5	20.8/5.5
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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
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Frequency

	40 kHz	40 kHz	40 kHz	40 kHz	40 kHz
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Drain

	No	No	Yes	Yes	Yes
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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.