

## Bransonic CPXH Ultrasonic Baths

### General Description

Bransonic CPXH ultrasonic baths are the most technologically advanced Branson ultrasonic baths available. With programmable features, digital operation, and high/low power options, 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, eliminating dead zones for long life.
- 40 kHz industrial transducers.
- 99-minute digital timer and continuous operation.
- Can be heated up to 69°C/156.2°F and set for Fahrenheit or Celsius.
- **Degassing and conditioning the solution:** The CPXH degassing period can be set up to 90 minutes. Extended degas time periods allow for “beyond cleaning” applications such as cell disruption, mixing, dissolving solids into the liquid and many more commonly used laboratory processes that require liquid processing.
- **Ultrasonic Power Tracking:** The new CPXH Series Bransonic control circuitry actively tracks the operating frequency of the bath and immediately brings the tank’s frequency back to its optimum point. What this means to the end user is that the CPXH Series Bransonic bath will always deliver the same ultrasonic power without depending on the operator to make adjustments. The new CPXH Series Bransonic delivers unwavering cavitation, steady activity in the bath, even when the load 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 in 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. *(continued on back)*



Consult with your Branson representative about the Bransonic accessories and solution best suited for your application needs.

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## Features continued:

- High-temp safety alarm indicator for protection.
- Temperature calibration 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)

	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
<b>Tank Capacity</b>					
Liters/Gallons	1.9/0.5	2.8/0.75	5.7/1.5	9.5/2.5	20.8/5.5
<b>Tank Size (L/W/D)</b>					
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
<b>Overall Size (L/W/D)</b>					
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
<b>Weight</b>					
Pounds/Kilograms	7/3.2	9/4.1	12/5.4	14/6.4	26/11.8
<b>Frequency</b>					
	40 kHz	40 kHz	40 kHz	40 kHz	40 kHz
<b>Drain</b>					
	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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All specifications subject to change without notice. All dimensions are nominal.  
All units are CE compliant and comply with FCC rules and regulations governing radio frequency interference.



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