

Elma vs Branson – Comparison Overview

Elma Ultrasonic	Branson
Variable Operating Parameters – P Series	
Dual Frequency (37/80 kHz) High frequency enables safe cleaning of fragile items or very small features	Single Frequency (40 kHz)
Pulse Mode Delivers intermittent spikes of power to remove tenacious contaminants	N/A
Full Adjustable Power	CPX has hi/lo (100%/70%)
Ultrasonic Power	
P Series are far more powerful at their maximum setting Examples of effective watts of ultrasonic power for 1.5 gallon units with same internal dimensions: E60H = 100 S60H = 150 P60H = 180	2800 CPX = 110
Temperature	
Maximum Set Temperature 80 degrees C	69 degrees C
Heating Power for 1.5 gallon units 400 watts	205 watts
Additional Features	
<p>P line control panel and display is much more intuitive and detailed than Branson CPX controls. CPX requires scrolling through functions by pressing the same button multiple times, Elma displays all parameters simultaneously.</p> <p>Elma control panel is low on face of unit where there's no vapor contact.</p> <p>Elma case is stainless steel</p> <p>Elma has automatic shut-off after 12 hours for safety.</p> <p>All Elma models (E, S, and P) are microprocessor controlled with power tracking. This feature ensures consistent performance.</p>	<p>Branson control panel is exposed to steam from bath, may damage electronics.</p> <p>Branson case is plastic</p> <p>Branson has automatic shut-off if temp exceeds 75°C.</p> <p>Similar power tracking function found in Branson's CPX line but not their M models.</p>



Elma vs Branson — Unit-By-Unit Comparison

Capacity	Tank Dimensions	Branson Model	Elma Model
Digital			
2.8 L (0.75 gal.)	230 x 140 x 100 mm (9.5L x 5.5W x 4D") I.D.; 337 x 304 x 302 mm (13.3L x 12W x 11.9D") O.D.	CPX2800H	P30H
5.7 L (1.5 gal.)	290 x 150 x 150 mm (11.5L x 6W x 6D") I.D.; 397 x 317 x 377 mm (15.6L x 12.5W x 14.8D") O.D.	CPX3800H	P60H
9.5 L (2.5 gal)	290 x 240 x 150 mm (11.5L x 9.5W x 6D") I.D.; 397 x 401 x 378 mm (15.6L x 15.8W x 14.9D") O.D.	CPX5800H	P120H
20.8 L (5.5 gal)	495 x 290 x 150 mm (19.5L x 11.5W x 6D") I.D.; 596 x 466 x 391 mm (23.5L x 18.3W x 15.4D") O.D.	CPX8800H	P180H P300H - 7.5 gallons also available
Mechanical			
9.5 L (2.5 gal)	290 x 240 x 150 mm (11.5L x 9.5W x 6D") I.D.; 397 x 401 x 378 mm (15.6L x 15.8W x 14.9D") O.D.	M5800H	S100H S120H - 3.5 gallons also available
20.8 L (5.5 gal)	495 x 290 x 150 mm (19.5L x 11.5W x 6D") I.D.; 596 x 466 x 391 mm (23.5L x 18.3W x 15.4D") O.D.	M8800H	S180H S300H - 7.5 gallons also available
37.9 L (10 gal)	406 x 305 x 330 mm (16L x 12W x 13D") I.D.; 483 x 533 x 432 mm (19L x 21W x 17D") O.D.	CPN-908-011 CPN-908-012 CPN-908-013 CPN-908-014	S450H
37.9 L (10 gal)	406 x 305 x 330 mm (16L x 12W x 13D") I.D.; 483 x 533 x 432 mm (19L x 21W x 17D") O.D.	CPN-908-021 CPN-908-022 CPN-908-023 CPN-908-024	S900H