

Precision Cleaning

Branson's 8500 Series ultrasonic generator offers a wide range of features and frequencies to meet any precision cleaning requirements.

**Features:**

- **Line/load regulation** compensates for liquid level and temperature changes as well as line voltage and load variations
- **True variable power control** makes the cavitation intensity (not duty cycle) infinitely and linearly variable from 0% to 100%; LED display indicates selected level
- **Selectable sweep frequency** allows the user to select both band width and sweep rate to eliminate standing waves and improve activity distribution
- **Auto tuning** maintains optimum operating frequency around your application
- **Power modulation mode** produces four times the peak power in the bath for improved cavitation.
- **Dual I/O interface** allows for on/off only, or full remote control of the generator
- **Safety features** to protect the generator include over-temperature, overload, open circuit, and short circuit

Element Configurations	6, 12, 18, 24, 36, 48
Input Voltage	110 V, 220 V*
Average Output Power	40 Watts per element
Output Frequency	25, 40, 80, 120, or 170 kHz
Regulatory Approvals	FCC and CSA
Dimensions	17.5"W x 16.8"D x 5.5" H
Weight	30 lb. (13.6 kg)

*See configuration matrix for available voltage levels.

Additional Standard Features:

- Indirect cabinet cooling – sensitive components are isolated from potentially contaminated cooling air
- 19 inch, 3 DIN rack mount cabinet
- User-adjustable power controls
- Status indicators for safety and fault alarm
- Bright LED display for easy viewing
- CSA certified and meets FCC regulations
- Two-year warranty period

8500 - Element, Frequency, and Voltage Configurations

	Elements						
	6	12	18	24	36	48	48
25 kHz		110/220 V	220 V	220 V	220 V	220 V	220 V
40 kHz	110/220 V	110/220 V	220 V	220 V	220 V	220 V	220 V
80 kHz	220 V	220 V	220 V	220 V			
120 kHz	220 V	220 V	220 V				
170 kHz	220 V	220 V					

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