

Precision Cleaning

Branson's 8300 Series ultrasonic generator offers a wide range of features to meet any production 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 20% to 100%
- **Sweep frequency** minimizes standing waves and improves ultrasonic activity distribution; operates at a rate of 80 Hz per second across a bandwidth of 1400 Hz
- **Auto tuning** maintains optimum operating frequency around your application
- **I/O interface** option permits remote on/off 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 or 40 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
- Status indicators for safety and fault alarms
- CSA certified and meets FCC regulations
- Two-year warranty period

8300 - Element, Frequency, and Voltage Configurations

	Elements					
	6	12	18	24	36	48
25 kHz		110/220 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

Global Technologies. Local Solutions.

Branson's unmatched global resources ensure optimal solutions for the most challenging ultrasonic precision cleaning and materials joining applications. With 1600+ employees in over 70 sites worldwide, we can rapidly respond to our customers' needs, wherever they are located.

Branson understands local markets and regulations, and the open collaboration among our global offices and extensive staff of application specialists quickly produces solutions for customers. We partner with companies of every size and scope to help

resolve critical issues ranging from market changes, product quality/life cycles and production costs, to employee safety and environmental compliance. And, Branson's commitment to the publicly funded industrial collective research initiative and cooperation with various research centers have produced widespread innovations in ultrasonic cleaning and plastics joining technology that are benefiting companies everywhere.

Branson is a leading innovator in Emerson, a diversified global manufacturing and technology

company. Emerson is a progressive company working to develop products and processes to resolve global issues, including energy supply and distribution, information and networking, climate and environment, manufacturing efficiency, and product performance. Emerson is dedicated to the pursuit of breakthrough technology developments never before envisioned.

Branson brings exceptional quality, fast delivery and competitive prices. Contact your nearest regional center today.

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