

## APPLICATION

Crest Healthcare Console Junior (CJ) Series Ultrasonic Cleaning System is designed to thoroughly clean (remove tissue, blood and other contaminants) instruments prior to final disinfection and sterilization. The System's compact design makes it suitable for use in the Central Supply or other instrument preprocessing areas to clean instruments prior to a washing cycle.

Crest Healthcare CJ Series Ultrasonics Cleaning System is a freestanding instrument cleaner supplied in a compact stainless-steel cabinet. The Ultrasonic Cleaner contains all needed components to effectively clean (utilizing ultrasonic cavitation in a detergent-balanced wash solution) surgical instruments prior to disinfection and sterilization.

The Cleaner is equipped with an automatic opening lid and load elevator for ergonomic, easy and safe instrument loading.

Crest Healthcare CJ series Ultrasonic Cleaning System meets the applicable requirements of the following standards:

- **EMC Directive 89/336/EEC, 92/31/EEC, 93/68/EEC.**
- **Low Voltage Directive 73/23/EEC, 93/68/EE.**
- **ETL Listed.**
- **Underwriters Laboratories (UL) Standard 61010-1.**
- **Underwriters Laboratories (UL) Standard 61010A-2-010.**
- **Canadian Standards Association (CSA) Standard C22.2 No. 61010-1.**
- **Canadian Standards Association (CSA) Standard C22.2 No. 61010-2-010.**



(Typical only - some details may vary.)

## SIZE (W X H X L)

Overall dimensions of a fully equipped Cleaner:

- 39-1/2 x 42-1/4 ± 1 x 30" (1003 x 1073 ± 25 x 762 mm)

Service Access Clearance:

- Minimum 24" (610 mm) all sides

## FEATURES

The CJ Series Ultrasonic Cleaning System is wired for operation on either 208 V (50/60 Hz, three phase [5 wire]/ single phase [4 wire]) or 240 V (50/60 Hz, single phase [3 wire]) voltage and shipped with power cord. Crest supplies all components necessary to obtain a complete working unit ready for installation and connection to facility service lines. The Cleaner includes the following features:

**Ultrasonic Cleaning Power** is ensured by constant output power operating at 132 kHz patented ultrasonics with sweep resonance frequencies to ensure cleaning efficiency. The generators are mounted with individual slide out modules for ease of service.

## The Selections Checked Below Apply to This Equipment

### VOLTAGES

- 208 V, 50/60 Hz, 3ph (5 Wires Including Protective Earth and Neutral)
- 208 V, 50/60 Hz, 1ph (4 Wires Including Protective Earth and Neutral)
- 240 V, 50/60 Hz, 1ph (3 Wires Including Protective Earth)

### ACCESSORIES

- Seismic Tie-Down (CH1212)
- Replacement Instrument Tray:
  - 15-gal (57 L) Tray (CH1216)
  - 20-gal (76 L) Tray (CH1217)
- 10 Port Hose Kit with Brackets (CH1219)
- Standard Instrument Tray for Ultrasonic Cleaners, 17/20-gal (CH1221)

### TANK SIZES

- 15-gal (57 L)
- 20-gal (76 L)

Also, patented ceramic transducer modules are bonded to the wash tank providing maximum energy transmission for instrument cleaning.

**Automatic Lid and E-Z Load Tray Elevator** improve safety and increase instrument loading and unloading ease. E-Z Load Tray Elevator is positioned at a convenient working height and is oriented laterally for ease of loading and unloading heavy instrument trays.

**Port Flushing System** processes up to 10 rigid lumened surgical devices with both ultrasonic energy and internal flushing.

**Illuminated Main Controls** include power ON/OFF, automatic fill, drain alert, adjustable wash cycle timer, drain actuator and lid actuator.

**Locking Caster Wheels** are supplied for ease of CJ Ultrasonic Cleaning System movement.

**Large Capacity Process Tank** accepts a large variety of instrument trays. One instrument tray is included with each unit. Tank weight capacity is as follows:

- **15-gal (57 L) tank holds 22 lb (10 kg) of instruments.**
- **20-gal (76 L) tank holds 35 lb (16 kg) of instruments.**

**One Pick-Up Tube** is provided for up to 1 gal (3.8 L) of chemistry.

**Automatic Pushbutton Ultrasonic Drain** with drain indicator light and built-in counter to provide wash cycle number tracking, alerts operator when ultrasonic tank needs drained. Adjustable cycle drain count preprogrammed to 12 cycles.

**Toe Touch Control** lowers the instruments into the cleaning solution and starts the processing cycle. When cycle is complete, the lid automatically opens, and instrument tray is raised to unload position.

**Safety Interlocks and Controls** help to ensure operator safety.

**Front and Side Service Access Panels** are supplied on the unit for ease of any maintenance procedures. Access doors are scratch and dent resistant. Front doors have automatic power cut-off feature to protect components and operator when doors are opened.

## PREVENTIVE MAINTENANCE

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Customers are encouraged to contact CREST concerning our annual maintenance program. Under the terms of the program, preventive maintenance, adjustments, and replacement of worn parts are provided on a scheduled basis to help ensure optimal equipment performance and help minimize untimely or costly schedule interruptions. CREST maintains a worldwide staff of well-equipped, factory-trained technicians to provide these services, as well as on-site installation, training, and expert repair services. Contact Crest Ultrasonics for details.

## NOTES

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1. Pipe sizes shown indicate terminal outlets only. Building service lines (not provided by Crest) must supply the specified pressures and flow rates.
2. Crest recommends that a dedicated, grounded electrical circuit be provided for each unit. Do NOT use extension cord and plug.
3. Approximate operating weight:
  - » Model CHA15W: 741 lb (317 kg).
  - » Model CHA 20W: 741 lb (317 kg).
4. Sonic Cleaner must be mounted on a hard, level, non-combustible surface.
5. Crest recommends as a minimum a 2" floor drain and a 6" diameter x 6" deep floor sink.
6. Crest requires minimum clear openings from loading dock to installation point of 40" (1016 mm) for 15-gal (57 L) Cleaners and 42" (1067 mm) for 20-gal (76 L) Cleaners. Doors with openings narrower than this 40" (1016 mm) or 42" (1067 mm) requirement may need door and/or frame removal.

## UTILITY REQUIREMENTS

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Refer to manual for installation details and specifications.

### Electrical\*

208 V, 50/60 Hz, 3-Phase (5 Wire); 208V, 50/60 Hz, 1-Phase (4 Wire); 240V, 50/60 Hz, 1-Phase (3 Wire).

### Drain

1-1/4" Slip CPVC (trap and waste lines are not provided by Crest).

### Hot Water

1/2" FPT CPVC (38 psi maximum); 110-120°F (43-49°C).

\* Units must be ordered specifying required voltage and phase.

**The base language of this document is ENGLISH. Any translations must be made from the base language document.**

**CUSTOMER IS RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE LOCAL AND NATIONAL CODES AND REGULATIONS.**

### Crest Healthcare Console Junior Series

MODEL CHA 15W CHA 20W	POWER REQUIREMENTS (Amps)†			SONIC POWER (Watts)	SHIP WEIGHT	TANK FLUID CAPACITY	HEAT LOSS (BTU)	TRAY SIZE L x W x D*
	208 V		240 V					
SKU #	1 PH**	3 PH‡	1 PH+					
CHA115		10		1000	696 lb (316 kg)	15 gal (57 L)	225	20x13-1/2x3-1/2" (508x343x89mm)
CHA1152081	14			1000	696 lb (316 kg)	15 gal (57 L)	225	20x13-1/2x3-1/2" (508x343x89mm)
CHA1152401			13	1000	696 lb (316 kg)	15 gal (57 L)	225	20x13-1/2x3-1/2" (508x343x89mm)
CHA120		16		1000	841 lb (382 kg)	20 gal (76 L)	275	24x13-1/2x3-1/2" (610x343x89mm)
CHA1202081	20			1000	841 lb (382 kg)	20 gal (76 L)	275	24x13-1/2x3-1/2" (610x343x89mm)
CHA1202401			19	1000	841 lb (382 kg)	20 gal (76 L)	275	24x13-1/2x3-1/2" (610x343x89mm)

\*Maximum tray size

†Amp value is actual current drain. Disconnect should be at least 25% more. See **Technical Data**.

\*\*4 Wires including Neutral and Protective Earth.

‡5 Wires including Neutral and Protective Earth.

\*3 Wires including Protective Earth.