

Product Specification

565 PLUS3 Ultrasonic Washer

Product Description

The Belimed 565 PLUS3 Ultrasonic Cleaner is engineered to clean instruments, ranging from simple to extremely complex, through a combination of ultrasonic cavitation, heated water, and detergent.

It is designed to produce maximum capacity, in terms of both total instrument weight and maximum instrument length, and maximum throughput within a compact space-saving footprint.

This configuration comes standard with three tray capacity, a full-function touchscreen controller, automated glass power lid, dual-lift tray elevator, tank heater, automatic detergent injection with flowmeter, cannulated irrigation system, water mixing valve, casters and a tap-water rinse cycle.

Application

For use in healthcare facilities, to clean re-usable instruments, instrument trays, and other wares and utensils.

Standard Features

Construction/Design

The ultrasonic console is a self-contained cleaning machine, with a single wash/rinse tank, built-in detergent dispensing, monitoring and storage, and top-mounted touchscreen user-interface. It is comprised of a welded frame with cover panels, and a seam-welded tank/top assembly.

- Type 316 stainless steel tank, 304 stainless frame and panels
- 48 transducers with 2000 watts of power at a frequency of 40 kHz, vacuum nickel brazed to wash tank underside
- Touchscreen interface with 3 pre-set wash programs, and standard USB cycle data download
- Smart water fill, auto selected to 6", 9", or 12" levels (12.5, 18.7 and 24.9 gallons) depending upon the tray type, quantity and loading level used
- Three tray elevator raises and lowers trays from/into tank via manual toe switch, or automatically at cycle beginning and end - 70 lb lift capacity
- Automated detergent Injection with flowmeter, adjustable from the user interface, with on-board tank storage and level sensor
- User-defined and unit-controlled chamber solution temperature, with a 1,500 W external heating element
- Safety features include door interlocks, lid switch and tank liquid level sensors
- Sensor diagnostics screen on the user interface provides visibility to key PLC inputs to aid in troubleshooting
- Easy service access to all plumbing, relays and ultrasonic components
- Modular ultrasonic generator, for easy repair or replacement



Dimensions

External dimensions (with lid open):

- 42" (1,067 mm) W x 28.5" (724 mm) L x 53.5" (1,359 mm) H
- 36" (914 mm) to top of lid, when closed

Three tray wash chamber:

- 32" (813 mm) W x 15" (381 mm) L x 16" (406 mm) D

Benefits

Effective and Efficient Cleaning:

The 565 PLUS3 combines a 40 kHz ultrasonic frequency for removing heavy soil levels with a high wattage density (ultrasonic power/unit of water), to produce consistently effective cleaning. Standard 20-port irrigation system, with pulsed pumping, also helps flush debris out of cannulated instruments.

The 30" internal tray width accommodates long robotic and bariatric instruments, while providing future-proof capacity for tomorrow's long devices. Built-in water mixing valve and programmable chamber heater assures optimum water temperature for automatically injected cleaning chemistries.

The glass, see-through, lid allows visualization of the items in the chamber to ensure they are fully submerged.



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Optimized Ergonomics

Standard lid/tray lift is clinician friendly, eliminating the need to lift heavy case sets out of the chamber. Handy toe switch makes it easy to open the lid, even when carrying trays or instruments. If the lid lift mechanism is not functional the glass lid can be lifted manually.

Solid Durability

All components are built for long life. Vacuum-brazed ultrasonic transducers, with a metal to metal tank bond, outlast conventional epoxy-bonded components. Water-pressure-driven lid/tray lift mechanism has fewer parts to fail than motor-driven alternatives. Elevated controller prevents ingress of spilled tank water. Solid all stainless steel frame and casing, combined with highest-quality stainless steel tank, will resist corrosion and damage over years of use.

Ease of Use

Intuitive touchscreen controller combines the simplicity of single-button operation with the power of a menu-driven system. Wash, rinse, and detergent time, water fill level, tank flush, and sensor diagnostics are all accessible from one unified control set. Automatic degas step, at beginning of cycle.

A visual detergent level indicator gives an advance notice of when the detergent bottle needs to be replaced. After replacing the bottle a simple press and hold button resets the indicator to full.

Data can be downloaded to a USB drive for off-line analysis.

Access

The 565 PLUS3 provides three levels of login security to minimize unauthorized changes.

- User Level – Run cycles, perform chamber drain, fill and degas
- Manager Level – Alter cycles, download data
- Technician Level – All access such as system configuration and calibration

Cycle Description

The 565 PLUS3 is equipped with three pre-programmed cycles, incorporating wash, detergent injection, and rinse parameters for general, cannulated, and robotic instruments. All cycles may be easily adjusted by logging in at the Manager or Technician level to match specific instrument IFU's.

Configuration

Electrical Requirements:

- 120/208V 60 Hz 1PH 20A, 4 wire

Options

- Supplemental DI rinse system
- Built-in chamber drain pump

Accessories

- External detergent supply system with level sensor
- Robotic instrument tray with irrigation
- Cannulated instrument tray with irrigation
- Standard trays
- Metal tipped irrigation hose kits
- Non-luer cannulated adapters
- Seismic anchoring kit

Manufactured for Belimed by Sonic Systems

REV12.17.2020_Q0

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