

# UW 565 Ultrasonic Cleaner Product Specification

## Product Description

Belimed's UW565 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, both in terms of total instrument weight and maximum instrument length, and maximum throughput within a compact space-saving unit footprint.

This configuration comes standard with a full-function touchscreen controller, automated power lid, dual-lift tray elevator, tank heater, automatic detergent injection, cannulated irrigation system, 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 & panels.
- Thirty-six transducers with 1500 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, user selectable to 6", 9", or 12" levels.
- Dual- tray elevator raises and lowers product trays from/into the tank via manual toe switch, or automatically at cycle beginning & end
- Automated Detergent Injection, adjustable from the user interface, with on-board tank storage & level sensor
- User-defined & unit-controlled chamber solution temperature, with a 1500W 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 & ultrasonic components.
- Modular ultrasonic generator, for easy repair or replacement

### Dimensions

Unit external dimensions are 42" (1067mm) Wide x 28.5" (724mm) Long x 53.5" (1359mm) High. Dual-basket washing chamber is 32" (813mm) Wide x 15" (381mm) Long x 16" (406mm) Deep. Max working height dimension is 11".



## Benefits

### Effective and efficient cleaning

Unit combines the ultrasonic frequency most effective for removing heavy soil levels with a high watt density (ultrasonic power/unit of water), to produce consistently effective cleaning. Standard 20-port irrigation system also helps flush evacuated debris out of cannulated instruments. Class-leading 30" internal basket width accommodates even the longest robotic & bariatric instruments, & provides future-proof capacity for tomorrow's longer devices. Built-in chamber heater assures optimum water temperature for automatically injected cleaning chemistries.

### Optimized Ergonomics

Standard lid/basket 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 baskets or instruments.

### Solid Durability

All components are built for long life and hard service. Vacuum-brazed transducers, with a metal to metal tank bond, outlast conventional epoxy-bonded components. Water-pressure-driven lid/basket 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 cycle removes post-fill cycle length guesswork.

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## Cycle Description

The UW 565 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 re-set by the user to match specific instrument IFU's.

## Configuration

### Electrical Requirements

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

### Options

- Robotic instrument irrigation system
- Cannulated instrument irrigation system
- Supplemental DI rinse system
- Built-in chamber drain pump
- Inboard unit casters

### Accessories

- External drain pump
- External detergent supply system with level sensor
- Stainless steel wire instrument trays
- Robotic upper & lower instrument trays
- Cannulated upper & lower instrument trays

