

Ultra Clean Systems™

Ultrasonic Cleaner Model 1100

Ultra Clean Systems Model 1100 is a single-basin, tabletop ultrasonic cleaning system for cleaning flat surgical instruments and up to 12 lumen instruments in a detergent solution. This ultrasonic features auto-fill and auto-drain functions.



Application

The Model 1100 ultrasonic cleaning system is designed for the removal of minute biological debris from difficult-to-clean areas of surgical devices, including lumen instruments.

Use of this product should follow removal of gross debris. Following ultrasonic cleaning, lumen instruments may be manually flushed and air purged before proceeding to the next step in the cleaning process prior to terminal sterilization. IFUs for the use of this device, as well as surgical and laboratory devices, should always be closely followed.

Intended Use

Designed to remove bioburden and fine debris from surgical instruments postsurgery.

Standards and Codes

This ultrasonic cleaning system meets the applicable requirements of the following:

- CSA C22.2 No. 61010-1
- UL 61010-1
- Uniform plumbing code
- OSHA standards for noise emissions
- FCC standards for radiated interference

Key Features

Stainless Steel Construction

Exterior panels are type 304, 14-gauge stainless steel with a #3 polished finish. The sonic cleaning chamber is constructed of type 304 stainless steel polished to a mirror finish.

Automated Controls

A Program Logic Controller (PLC) controls operation through each cycle's various parameters.

Lid Sensor Verification

An onscreen prompt will let the operator know if the lid is not secure. The basin lid must be closed prior to initiating the timed phase of the wash cycle.

Capacity

Model 1100 cleans up to 12 lumen instruments and has a 12.5-lb (5.7-kg) total weight capacity.

Automatic Fill

The basin begins to fill with water automatically.

Fill Monitoring

The basin filling sequence is monitored by an onboard processor. An onscreen alarm will notify operators of any potential problems.

Drain Options

Operators may choose from Wash - No Drain, Wash & Drain, Lumen - No Drain, and Lumen Wash & Drain cycle options.

Liquid Level Sensor

A liquid level sensor is provided to ensure proper liquid level depth for ultrasonic cleaning.

Overflow Protection Sensor

Model 1100 features an overflow protection system that stops the cycle when a basin high water level is encountered and will automatically drain water from the basin to a safe level.

Audible Cycle Alert

At the end of the wash cycle, an audible alert will occur.

User-Defined Cycle Timer

Cycle times are adjustable to suit your department's needs.

Touchscreen Controls

Operators can select the cycle, start a cycle, and monitor progress from the touchscreen display.

Water Flush and Air Purge

Flushing and air purging may be performed manually upon completion of a lumen wash cycle.

Table Height Requirement

Model 1100 requires a table height of at least 30" (762 mm) for operation.

Clearance Height Requirement

Model 1100 requires at least 36" (914 mm) of clearance from the tabletop for operation and serviceability.

Controls

The control panel features the following switches and indicators for the operator:

- On/Off power switch with On indicator light
- LCD touchscreen display
- Flow Control dial
- USB port

Cycle Overview

1. Ultrasonic cleaning cycle time is preset for 10 minutes, and can be adjusted to suit your department's needs.
2. Basin automatically fills with water.
3. Liquid depth will be monitored throughout to assure proper cleaning coverage of trays.
4. This system is not intended for terminal sterilization.