



LUCAS

Lifecare

LIFEULTRA™ AUTOCLAVE



The World's Best Autoclave

LifeUltra™ is a 25L, mono chamber, tabletop autoclave that neutralizes microbial life such as bacteria, spores, viruses, and biological agents such as prions on the surface of load items to render it sterile for reuse. To achieve asepsis, the autoclave employs saturated steam at mission-critical temperatures, pressures, and for standardized time durations in a hermetically sealed chamber. LifeUltra™ is designed as a medical and laboratory electrical equipment intended to be used to sterilize heat and moisture-stable reusable loads (solid, porous, or hollow) that are loaded unwrapped or wrapped. It is not intended to sterilize liquids, solvents, or pharmaceutical products.

One Machine "3" Classes

LifeUltra™ bears a microcontroller with installed software that has pre-set programs to run standard B, S, and N sterilization cycles, test cycles, and customized cycles.

Built In Distiller

Saturated steam for sterilization is generated from distilled water produced in an onboard Water Still. This allows users to directly tap into municipal facility water (not more than 500 ppm TDS). For this innovative feature, the device is programmed to run both an automatic water distilling cycle and a manual tank descaling cycle.

Integrated Air-Water-Steam System

Saturated steam for sterilization is generated from distilled water produced in an onboard Water Still. This allows users to directly tap into municipal facility water (not more than 500 ppm TDS). The integrated software manages the robust air-water-steam system through precision sensors, probes, and switches that monitor and control the device's vital parameters in real-time, assuring safe and successful results. The operation of the device is through a backlit display and control interface.



FEATURES

Display Interface - 4.8" monochrome 240 x 128 pixel backlit LCD display

Control Interface - 3 discreet navigation and 1 discreet selection button

Hard copy Output - Thermal Printer with 2 1/4" (57 mm) with spill-proof paper roll holder, integrated manual cutter

1-833-239-1001

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PROGRAMS	Gravity Sterilizing	N134 universal / N121 universal / N134 unwrapped flash / N134 wrapped flash
	Vacuum Sterilizing	B134 universal / B121 universal / B134 prion / S134 universal / S121 universal
	Custom Sterilizing	Class / Temperature / Sterilizing time / Drying time
	Test Programs	Bowie & Dick / Helix / Vacuum function
	Other Programs	Descaling Water Still
ELECTRIC	Voltage Input	115 V ~ 125 V AC / 60 Hz
	Current Drawn	18 A / 1 Ø
	Nominal Power Rating	1950 VA
	Electric Connector	C20 Socket / C19 Plug (IEC:60320) earthed & polarized
	Electric Circuit Breakers	20 A
	Thermal Circuit Breakers	392°F Water Still & Chamber / 482°F Steam Generator
	Insulation Class	Class A
AIR, WATER, STEAM	Bacteriological air filter	0.027 micron porosity / 1/8" male NPT connector
	Particulate water pre-filter	10 microns Sediment Filter
	Municipal feed water	≤500 ppm TDS (780 µS/cm conductivity at 68°F)
	Manual feed water	≤9 ppm TDS (15 µS/cm conductivity at 68°F)
	Feeding water tanks	3 L
	Recirculating water tanks	2 L
	Water distilling rate	760 mL/h (peak)
	Water drain and overflow	1000 mL/min @ 140°F ~ 200°F
DIMENSIONS & WEIGHTS	Device dimensions	24" width x 20" height x 25" depth
	Device weight	198 lb / 226 lb (with full tanks and trayed chamber)
	Chamber dimensions	10.8" dia x 15.8" depth
	Chamber volume	about 25 L
	Maximum chamber load	24 lb
	Chamber loading	15"x6" (2 trays-3 lb per), 15"x8.5" (2 trays-4 lb per), 15"x9.5" (2 trays-5 lb per), 15"x 9"x1.6" (3 cassettes / 6 lb per)
ENVIRONMENT	Installation category	Cat. II (EN 61010-1 : 2010 + A1 : 2019)
	Operating conditions	60°F ~ 95°F / 20% ~ 80% non-condensing RH 10 ACPH
	System max temperature	282°F
	System max gauge pressure	250 kPa(g)
	System min gauge pressure	- 80 kPa(g)
	Noise emission	≤67 db (A)
	Operating mode	Indoor / Stationary / Tabletop
	Counter proportions	30" width x 23" height x 26" depth (minimum)
	Installation height	30" ~ 36"

According to the Code of Federal Regulations in title 21 (Food and Drug Administration - FDA), volume 8 (Medical Devices), part 880 (General Hospital and Personal Use Devices), and section 6880 (Infection Control Devices - Steam Sterilizers); namely 21CFR 880.6880, LifeUltra™ is classified as a Class II device.



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