

STERICOOOL™



TECHNICAL SPECIFICATIONS FOR STERICOOOL 110A+ & 160A+

TECHNICAL SPECIFICATIONS FOR STERICOOL 110A⁺ & 160A⁺



110A⁺



160A⁺

DIMENSIONS

	110A ⁺	160A ⁺
External Dimensions (HxWxD)	1802 x 680 x 864 mm	1802 x 680 x 864 mm
Chamber Dimensions (HxWxD)	430 x 440 x 730 mm	530 x 790 x 730 mm
Internal Chamber Dimensions (HxWxD)	400 x 407 x 710 mm	500 x 460 x 710 mm
Effective Useable Volume	110Lt	160Lt
Weight	370 kg	400 kg

STERILIZATION CHAMBER

	110A ⁺	160A ⁺
Sterilization Cell	Rectangular, 316L Stainless Steel (or Aluminium option)	Rectangular, 316L Stainless Steel (or Aluminium option)
Double Door Pass Through Operation	Supported	Supported
Shelves (Trays)	Two Shelves with 30 kg load capacity each	Two Shelves with 30 kg load capacity each
H ₂ O ₂ Concentrator	Increases concentration to >82% wt for improved efficacy	Increases concentration to >82% wt for improved efficacy
Sterilization Temperature	≈48-55°C	≈48-55°C
Air Intake	Through medical grade HEPA Filter	Through medical grade HEPA Filter
Plasma Type	Radio Frequency Excited Plasma	Radio Frequency Excited Plasma
Plasma Location	Inside the Sterilization Cell	Inside the Sterilization Cell
Plasma Distribution	Homogenous Within the Sterilization Cell	Homogenous Within the Sterilization Cell
Excess Load Alarm	Yes	Yes
Excess Humidity Alarm	Yes	Yes
Excess Cellulose Content Alarm	Yes	Yes
Catalytic Converter	Yes	Yes

STERILIZATION PROGRAMS

Program	Description	Duration
Short Program (P1)	Short Program provides fast turnaround for instruments which need surface sterilization which include telescopes and rechargeable batteries for use in laparoscopic, orthopedic or ophthalmology procedures. Short Program uses 59% wt H ₂ O ₂ . Duration: 31* min.	31* min.
Standard Program (P2)	Standard program is designed to sterilize general surgical instruments with flexible and rigid lumens. Standard Program is designed to handle Single Channel Flexible Lumens/Endoscopes. Standard Program uses concentrated H ₂ O ₂ . Duration: 48* min.	48* min.
Advanced Program (P3)	Advanced Program is designed to sterilize general surgical instruments which has long rigid lumens. Advanced Program uses concentrated H ₂ O ₂ . Duration: 57* min.	57* min.
Cell Heating at Initialization		23min (110A ⁺) / 30min (160A ⁺)

CONSUMABLES

Hydrogen Peroxide	%59 wt. H ₂ O ₂ / Water a.q. 240ml cartridge for front-load and 450ml container for side load systems. To be stored in cool areas out of direct sunlight and away from combustibles
Biological, Chemical Indicators & Tyvek Pouches	Stericool offers wide range of process monitoring indicators and tyvek pouches. Please visit www.Stericool.com

INSTALLATION

Power Connections	CEE 7/4 Type F plug 200-220VAC 19A (Any Country Specific Power Connections Supported).
Space Requirements	Service access requires a minimum clearance of 25 in. (60 cm) above the top, and 16 in (40 cm) on each side of the system. The system should not be placed closer than 2 in. (5 cm) from the rear wall.
Prerequisites	No specific installation requirements, no civil work, no plumbing, no drainage required

USER INTERFACE

Graphical User Interface	Easy use Sterilization and Settings Menu, English, Italian, Russian, Turkish, Arabic, and more upon request
Display	7" Colour touchscreen LCD
Controller/Processor	Master supervisory embedded computer and micro-processor controlled IO card.
Process Monitoring (Audio/Visual Alarm)	System management monitors the device performance and all cycle parameters with audio/visual alarms
Printer	2" Thermal Printer standard, 2" Impact Printer optional
Memory	Built-in 2GB SD Card logs approx. 12 years of sterilization parameters
Network Connectivity	TCP/IP through ethernet, web-server operated on Windows CE™ remote logging, firmware update
User Level Access	Password-protected login Settings & Reprogramming Menu, Diagnostics Menu, Counter Reset

The above stated technical specification applies to Stericool 110A and 160A Lt range with Serial Number higher than A1306082 manufactured after August 2013.
*Subject to environment and start up conditions, the program durations could be prolonged by 10% max.

