STERLINK *U510*

LOW TEMPERATURE PLASMA STERILIZER

Plasmapp's Sterilization Solution

*plasmapp

Plasma sterilization solution is applicable to wide range of medical specialties.

`Dental` `Plastic Surgery` `Ophthalmology` `Dermatology` `Veterinary`

Various Surgical Specialties

With the development of technology, this medical device can be used in many medical sectors.
Sterility Assurance Level (S.A.L.) of 10^{-6} in accordance with ISO 14937:2009.

Better Sterilization Efficiency

Autoclave can't sterilize heat/moisture sensitive medical devices.
EtO Gas Sterilizer requires costly maintenance, and ethylene oxide is potentially hazardous.

Faster Turnaround Time

It is important to increase the efficiency to take care of many patients in short time.
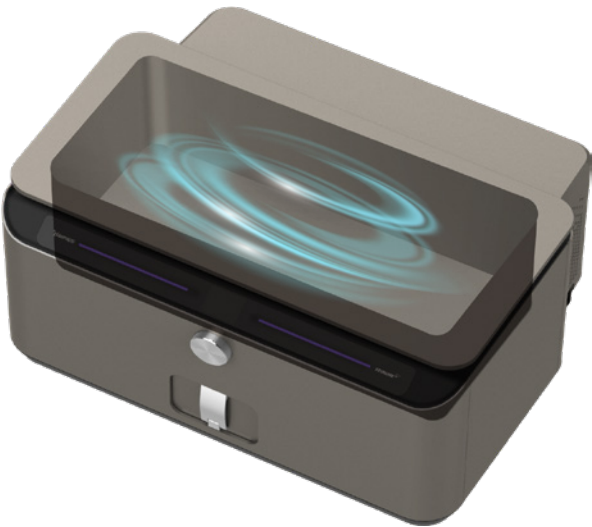
Vaporized Sterilant Circulating System

Rapid temperature rising control system to start fast sterilization

Optimal diffusion of vaporized sterilant to prevent damage for medical devices from sterilant residue.

Lumen claim :
ø 0.7 x 500 mm Stainless steel

STERLOAD
Double Encasement Design for Leakage Protection

Patented double construction design prevents from the sterilant leakage for safety.

Comparison Chart

Sterilizer	Temperature	Cycle Time	Sterilant	Feature	
Autoclave	Up to 134°C	60 min + 1 hour cooldown	Hot steam	·Cloth sterilization ·Long cycle time	·Risk of burn ·Damage of medical instruments
E.O. Gas	Up to 60°C	Over 120 min + 12 hour ventilation	E.O. gas	·Highly dangerous toxic gas	·Long cycle time
Other Plasma Sterilizer	Up to 60°C	70 min	H_2O_2	·High cost ·Large volume	·Additional ventilation required ·Very low efficiency
STERLINK	**Up to 50°C**	**Standard Mode: 18 min Advanced Mode: 31 min**	H_2O_2	**·Fast sterilization cycle ·Economic cost ·Compact size ·Ergonomic design**	**·Easy maintenance ·Eco-friendly ·Heat damage safe**

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8 liters
Optimized chamber size

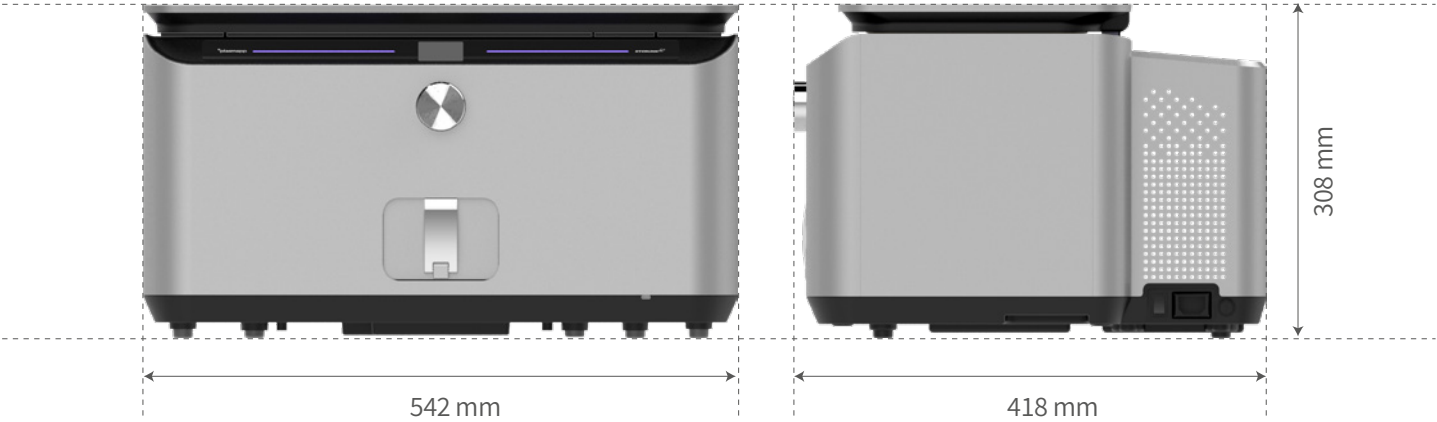| Mode	Standard Mode	Advanced Mode
Cycle time	18 min.	31 min.
Number of Cycles per Cassette	18 Cycles	18 Cycles

※ Standard Mode: Surface, mated-surface sterilization mode
※ Advanced Mode: Lumen sterilization mode up to 3 of ø 0.7 x 500 mm lumens

90 mm
about 510 mm
470 mm
185 mm

Specification

Size (W x D x H)	542 x 418 x 308 mm	Vacuum Pump	Built-in type
Chamber (W x D x H)	470 x 185 x 90 mm (8 ℓ)	Weight	31 kg
Diagonal Length (Chamber)	about 510 mm	Sterilant Cassette	18 Cycles (Standard / Advanced Mode)

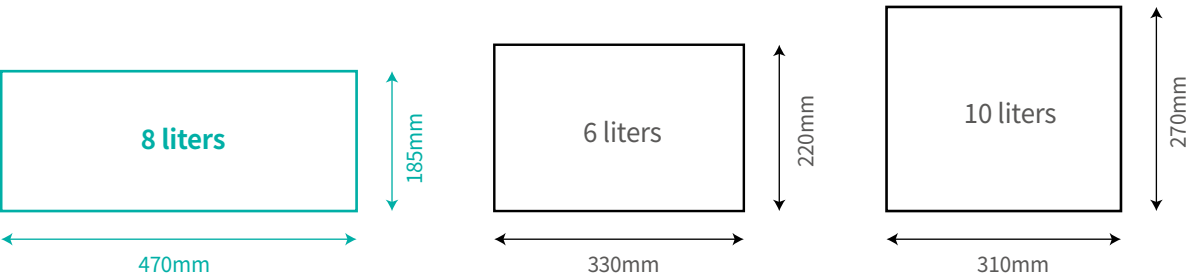308 mm
542 mm
418 mm

Short Cycle Time & Low Temperature

The STERLINK brand of Plasmapp has demonstrated its reliability through global medical device certifications such as the U.S. FDA and European CE.

Product	STERLINK vs. Autoclave	
	Chemical Sterilization	Physical Sterilization
Sterilization Method	Vaporized hydrogen peroxide Injection	Steam Injection
Sterilization Agent	Vaporized Hydrogen Peroxide	97% Saturated Steam
Temperature & Pressure	**< 60°C (0.00113 -1.013 bar)**	121-135°C (1.1-2.1 bar)
Cycle Time	**18-31 min**	60 – 180 minutes
Sterilizable Items	Heat & Moisture sensitive instruments (catheters, endoscopy, electrosurgical probes, handpieces, etc.)	Metal medical instruments (surgical instruments), materials that can withstand high humidity
Non-Sterilizable Items	Absorbent substances (paper, linen, cellulose, etc.), liquids, oils, powders	Items that are difficult to penetrate wet heat, such as sharp blades, powders, and silicon (Vaseline, oil, powder, etc.)
Features & Merits	Fast Sterilization Process Compact Size Easy Maintenance No cool-down time needed Nontoxic after the cycle	Available to sterilize the cloth Non-toxic
Remarks	**Only plasma sterilizable** • Polyethylene • Latex • PVC • Neoprene • Acrylic (Plexiglas™) • ABS • PPO (Noryl™)	**Plasma sterilizable and autoclavable** • Polycarbonate (Lexan™) • Silicone • Polypropylene, PTFE (Teflon™) • Rubber • Acetal (Delrin™) • Polyester • Polysulfone (Udel™) • Polyetherimide (Ultem™)
Non-Sterilizable Material	Styrene, Cellulosic, Liquid & Oil, Powder, Cellulosic	

Efficient chamber ratio of STERLINK U510

Efficient chamber space allows simultaneous sterilization of multiple medical devices, increasing usability and cost savings.

※ Conventional plasma sterilizers adopt the frame of large autoclaves, resulting in lower space efficiency with a square ratio.

8 liters — 185mm — 470mm

6 liters — 220mm — 330mm

10 liters — 270mm — 310mm

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Plasmapp Co., Ltd.
Sales | A-10F, 670, Daewangpangyo-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea [13494]

www.plasmapp.com | sales@plasmapp.com