

Low temperature plasma sterilizer for wide range of medical devices

The world's first direct injection pouch-type
patented sterilization technology has been applied.
SAL of 10^{-6} is validated to ensure sterilization stability of medical devices.

(SAL: Sterility Assurance Level, 99.9999%)



STERLINK*plasmapp

STERLINK FPS-15s Plus
STERLINK mini

STERLINK™

Low Temperature PLASMA STERILIZER

Biological Inactivation

7 Direct Sterilization with Plasma
min. @131°F (55°C)



The biological inactivation of Plasmapp is the world's fastest low-temperature sterilization solution using sterilant direct injection technology with an impermeable sterile package to maximize sterilant efficiency. This solution prevents thermal damage to delicate medical devices and secures user safety in the sterilization process using differentiated plasma technology of Plasmapp.

Preventing infection Accidents



Pouch Mode
- 7 minutes fast sterilization with the world's first direct injection pouch and patented sterilization technology



Express Mode (STERLINK™ MINI only)
- 12minutes fast sterilization Double cycle sterilization process is applied complying with ISO14937



Vacuum sealing pouches enable staff to have an immediate check on the sterile condition of the sterilized tools inside



Compatible with most medical devices and materials that are heat and moisture intolerable



Safe disposable sterilant cassettes

Core Technologies for obtaining SAFE and Bio-compatible surface

Plasma is defined as a quasi-neutral gas having a collective behavior (or simply as the 4th state of matter). The plasma discharge voltage is determined by the Paschen's law in which pressure is a key parameter to determine the discharge.



Under Independently Controllable Pressure

Gentle plasma can be discharged under a vacuum condition without using additional gas.



Unique Vacuum Technology

Plasma is discharged inside the package by using dielectric barrier of the vacuum state.



By Discharging Gentle and Powerful Plasma

The pressure can be spatially controlled to discharge gentle and powerful plasma.



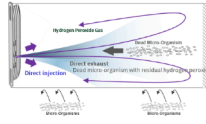
Operated by Validated Reliable Process

Plasma discharge and overall process are validated for obtaining outstanding performance.

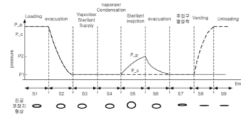
“ Global plasma technology company penetrated more than 50 countries ”



Novel sterile packaging to enable super-fast 7 min sterilization cycle



- Direct sterilitant injection enhances sterilization efficiency.
- Direct vacuum pumping shortens purification process time.



- Independent pressure control allows unique sterilization cycle including compression process.
- Compression maximizes sterilization efficiency to obtain 7 min cycle.



- Impermeable pouch allows direct sterilization with compression process and vacuum sealing after the cycle.
- Vacuum sealing visualizes sterile condition which extends shelflife of sterilized devices and provides advanced infection control solution.

7 min.

Fast 7 minutes Sterilization



Easy Operation



Compact Design



Double Cycle Sterilization

Sterilization Performance

STERLINK™ verifies sterilization performance through the following lumen tests

Single-channel lumen claims for STERLINK™

- 0.7 x 500 mm Stainless steel
- 2.0 x 1,500 mm Stainless steel
- 1.0 x 2,000 mm PTFE

STERLINK™ - inside diameter 1mm and a length up to 2,000mm

Competitor A
length up to 500mm

Competitor B
length up to 1,000mm

Plasmapp
STERLINK™



Comparison Chart

Sterilizer	Temperature	Cycle Time	Sterilant	Feature
Autoclave	Up to 134°C	60 min + 1 hour cooldown	Hot steam	• Cloth sterilization • 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
Plasma Sterilizer	Up to 60°C	70 min	H ₂ O ₂	• High cost • Large volume • Additional ventilation • Very low efficiency
STERLINK™	Up to 60°C	Pouch Mode : 7min Pouch Plus Mode : 14 min Chamber Mode : 36 min	H ₂ O ₂ direct injection	• Fast sterilization cycle • Economic cost • Compact size • Ergonomic design • Easy maintenance • ITS™ system • Eco-friendly • Safeness of heat sensitive instrument

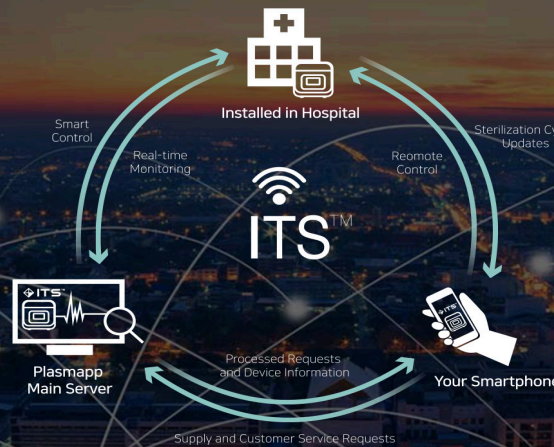
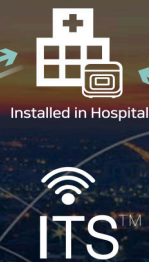
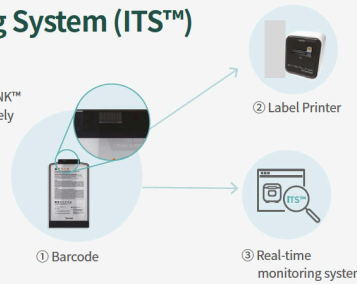
Instrument Tracking System (ITS™)

Equipment tracking using barcode

- Real-time monitoring to check the STERLINK™
- Provide the latest software updates remotely



* STERLINK™ lite does not support ITS™



Easy & Simple Operation

1 Medical Equipment Packaging

Pouch Mode
STERPACK™ sealing and mounting cassette
(Recommend to use dedicated tray)

Chamber Mode
Dedicated Tyvek® pouch sealing and mounting STERLOAD™

⚠ Please remove moisture on the product.
Do not put moisture absorbing materials in a sterilizer.
(cloth, gauze, paper, liquid, powder, autoclave pouch, etc.)



2 Start Sterilization

Press the "Sterilize" button after loading the chamber.

⚠ FPS-15s Plus and mini sterilants are prohibited from being reused.
Please be careful not to use expired sterilants.
If the instrument door is not closed properly during a sterile cycle, the cycle will be cancelled.
Please remove moisture on the product.



3 Sterilization Complete

Press the "Confirm" button to return to the ready status.

⚠ Always wear gloves to protect users when handling a loaded medical device after a process has been cancelled or failed.



STERPACK™ for FPS-15s Plus & mini



1L Vacuum Pouch

4L Vacuum Pouch

Maintain sterilization for about 6 months



STERLINK™ FPS-15s Plus

14ℓ

14L Chamber size

1L/4L

Pouch mode

14L

Chamber mode



STERLINK™ mini

7ℓ

7L Chamber size

1L

Pouch mode

7L

Chamber mode



STERPACK™
STERPACK™ Plus



STERLOAD™
FPS-15s Plus



STERPACK™



STERLOAD™
mini

Specification

STERLINK™ FPS-15s Plus			
Size (W x D x H)	433 x 614 x 437 mm	Vacuum Pump	Pump built-in type
Chamber (W x D x H)	265 x 410 x 125 mm (14 ℓ)	Weight	67kg
Diagonal Length (Chamber)	47cm	Sterilant Cassette	1 Cycle
Mode	Cycle time	Capacity	Sterilant
Pouch Mode	STERPACK™: 7 min	1 L	H ₂ O ₂ : 58%—59.5% (0.1 ml/cell)
Pouch Plus Mode	STERPACK™ Plus: 14 min	4 L	H ₂ O ₂ : 58%—59.5% (0.3 ml/cell)
Chamber Mode	STERLOAD™: 36 min	14 L	H ₂ O ₂ : 58%—59.5% (0.9 ml/cell)

* STERPACK™, STERPACK™ Plus and STERLOAD™ are global certified sterilants

Specification

STERLINK™ mini			
Size (W x D x H)	275 x 440 x 330 mm	Vacuum Pump	Pump stand-alone type
Chamber (W x D x H)	190 x 330 x 100 mm (7 ℓ)	Weight	20kg (Pump module : 21kg)
Diagonal Length (Chamber)	36cm	Sterilant Cassette	1 Cycle
Mode	Cycle time	Capacity	Sterilant
Pouch Mode	STERPACK™: 7 min	1 L	H ₂ O ₂ : 58%—59.5% (0.1 ml/cell)
Advanced Mode	STERLOAD™ mini: 18 min	7 L	H ₂ O ₂ : 58%—59.5% (0.7 ml/cell)

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Sterilant & Consumables and Accessories

for Medical Devices Sterilization Performance