

Low Temperature Plasma Sterilizer

EXPlasma™

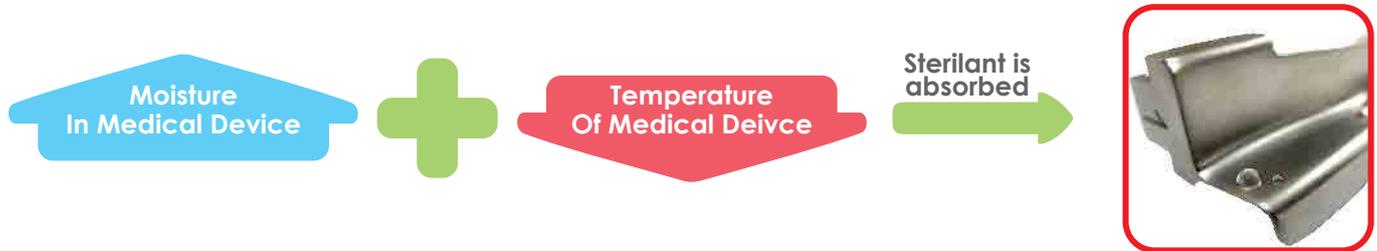
EXPlasma is a specialist infection management
brand that supports effective infection
control of medical institutions

- It has not been approved as a medical device under development -

Low Temperature
Plasma Sterilizer

EXPlasma

It can be sterilized quickly at temperatures below 60 °C, so it can be used immediately after sterilization. As the turnover rate of medical devices increases, it is possible to respond to sterilization by patient.



- * Low temperature plasma sterilizers are sensitive to moisture and temperature differences.
- * If there is moisture or a temperature difference, the hydrogen peroxide used as a sterilant may be on the medical device.
- * Preheating and moisture removal are very important.
- * EXPlasma is a sterilization solution that can minimize these problems.

Medical device life

Longer

Low temperature sterilization below 60 °C minimizes damage to medical device

Medical device amount

Less

Maximize turnover rate of medical device

Sterilization cost

Lower

Economical cost similar to Autoclave

Additional cost

Zero

Vacuum system that does not require oil change

Daily Report

Real Time

Provided IoT-based online sterilization report



※ EX-Air service requires installation agreement of medical institution and it may be necessary to set the authority of wireless network in the institution.

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P·ART™ Pouch Artificial Respiration Technology

PART technology is a unique technology of CUBE Instrument. This can cause the sterilant to penetrate repeatedly into the medical device, such as artificial respiration, and shorten the sterilization time. And it is very effective for temperature transfer and moisture removal.

1st Generation Technology: SAE-I (Sterilization Acceleration Engine)

- Chamber "Space Variable Technology"
- Technology that optimizes sterilant and heat transfer by changing the pressure inside the chamber. (Patent application, Aug. 2016, registration, 2017. 04 (KR))

2nd Generation Technology: SAE-II

- Optimized sterilization acceleration engine efficiency.
- After the completion of sterilization, the remaining sterilant is minimized to improve the stability and convenience of the medical device. (Patent pending)

AMR™ Auto Moisture Removal

EXPlasma has automatic moisture removal function. So it can be used conveniently and safely even if it has a little moisture or slight temperature difference.

Technical Specifications



Mode	FLASH STANDARD	Min. 10Minute Min. 20Minute
Temperature		Below 60 °C
Dimension	Width Length Height	39 cm 44 cm 30 cm
Chamber volume		7 liter
Sterilant		H ₂ O ₂ 50 wt%
Operating noise		Below 60 dB
Electrical Requirement		AC 220V / 60Hz
Power consumption		1,200w
Total weight		30 kg
Operating temperature		18 °c - 35 °c
Operating humidity		10% - 80%

Accessory



H₂O₂ / 50%



C.I - Tape
Chemical Indicator



SC B.I - Ampoule
Biological Indicator



Roll Pouch

Option



Cart

Classification of medical devices for **EXPlasma™**

Devices	EXPlasma™
- Surgical Metallic instruments, smooth surface	○
- Instrument with electric connections	○
- Implantable devices	○
- Catheters, rubber tubing	×
- Catheters, polyethylene tubing	△
- Needle, IV (intravenous) lines	×
- Dental instruments	○
- Dental handpieces	○
- Urethral catheter	×
- Internal Scopes : Lensed instrument	△
- Arthroscope / Culoscope	○
- Cystoscope / Peritoneoscope	○
- Ureteroscope	○
- All GI / UR rigid end endoscopes	○
- Endoscopic biopsy forceps	○
- cannulas, guidewires	○
- Vaginal speculum (after rupture of membrances)	○
- gauze, swabs, linen	×

○ : recommended, × : Not recommended, △ : Depending on type

EXPlasma™

Low Temperature Plasma Sterilizer

CUBE Instrument Inc.

Service & Support Center 82.42.933.0109

Operating Hours : Monday-Friday (09:00-18:00)

www.explasma.com

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