

Low Temperature Plasma Sterilizer

EXPlasma™

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

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.

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 | ○ |
| - Endoscopoc biopsy forceps | ○ |
| - cannulas, guidewires | ○ |
| - Vaginal speculun (after rupture of membranes) | ○ |
| - gauze, swabs, linen | × |

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

EXPlasma™

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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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