

HMTS-30E

Low Temperature Plasma Sterilizer System



HMTS-30E

Dimension, Weight

● Size	Width	740 mm (29.1 in)
	Height	830 mm (32.6 in)
	Depth	702 mm (27.6 in)
● Weight		160 kg (352.7 lbs)

Sterilization Chamber

Total Volume	340mm(W) x 170mm(H) x 600mm(D) 34 Liter(1.2 cubic feet)
Usable Volume	30 Liter(1.0 cubic feet)
Shelf Strength	25 kg (55 lbs)
Shelf Dimensions	320mm(W) x 560mm(D)

HMTS-30E Sterilization System cycle (Approximate Times)

Normal cycle (Duplicate cycle)

Vacuum 1 Stage	Initial evacuation of sterilization chamber
Diffusion 1 Stage	Automatic injection and diffusion stage
Vacuum 2 Stage with Plasma 1 Stage	Re-evacuation of sterilization chamber
Diffusion 2 Stage	Automatic injection and diffusion stage
Plasma 2 Stage	Re-evacuation of sterilization chamber
Aeration & Dry Run Stage	Return of sterilization chamber to atmospheric pressure and re-evacuation of chamber
Total Cycle Time	Surface : 17±3min, Standard : 27±3min, Advanced : 39±3min

Total cycle time and each stage time can be changed depending on loading materials to be sterilized.

Installation and Operating Requirements

Connections :

Electricity only
200~240VAC, 50/60 Hz, 3kW, 1 phase

Placement :

Built-in wheels provide mobility.

Operational Environment :

Temperature 18°C - 35°C (64°F - 95°F)
Humidity 10 - 70%

Installation Space :

Minimum area : 105.7 x 105.6 cm (41.6 x 41.5 in)
Surface : Flat = 5 mm/m (0.188 in/ 3 feet)
Minimum distance from wall : 300 mm (11.8 in)
Minimum service access : 1 m (3 feet) on all side

Features

Operating system : Windows Embedded POS Ready2009

User interface : 7" TFT Touch Monitor and Audible

Alarm provide Operator with proper information.

Network : 100/10 Mbps Ethernet

Print : Built-in thermal printer

Self-test : functions are available



Regulatory Approvals

- 1) Medical Devices Directive 93/42/EEC
- 2) ISO 9001:2008 Quality management systems - Design, development and manufacture of plasma sterilizer and hydrogen peroxide sterilant agent for use in HMTS series.
- 3) ISO 13485:2003 Quality management systems- Medical devices - Design, development and manufacture of plasma sterilizer and hydrogen peroxide sterilant agent for use in HMTS series.

Normative Reference

- 1) ISO 14971:2007 Medical Device. Application of risk management to medical devices
- 2) ISO 10993-5:1999 Biological evaluation of medical devices - Part 5: Tests for in vitro cytotoxicity
- 3) EN 61010-1:2001 Safety requirements for electrical equipment for measurement, control and laboratory use. General requirements.
- 4) EN 61010-2-040:2005 Particular requirements for sterilizers and washer-disinfectors used to treat medical materials
- 5) EN 60601-1-2:2001+A1;2006. Medical electrical equipment. General requirements for safety. Collateral standard. Electromagnetic compatibility. Requirements and tests.



* The descriptions and pictures in this publication can be changed without previous notices to improve products.

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Address : 2nd Fl., 451-1, Kasan-dong, Keumcheon-gu, Seoul, 153-803, Korea
TEL +82.2.6292.2588 FAX +82.2.868.1555 info@hmmtdt.com www.hmmtdt.com