HMTS SERIES

Low Temperature Plasma Sterilizer

HMTS-142

"Can endoscopes be sterilized thoroughly?"

"Is the sterilization cost reasonable?"

"Are you fully prepared for meeting new and more stringent environmental regulations?"

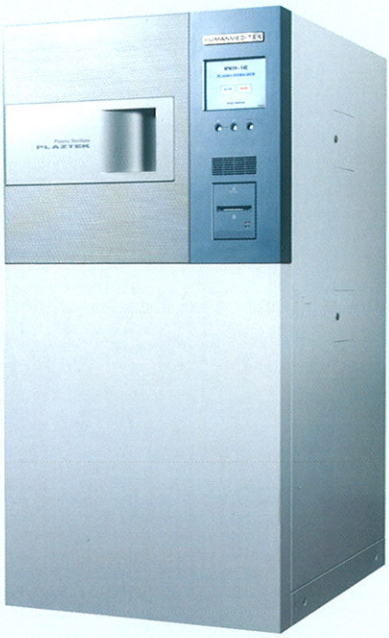
"Do you want quick sterilization?"

"Is your sterilizer easy to operate?"

Windows Embedded

HMTS has the Best Answer!

HMTS-142 Low Temperature Plasma Sterilizer System



HMTS-142

Dimensions, Weight

Size	Width	832 mm	(32.8 in)
	Height *	1668 mm	(65.7 in)
	Depth	1016 mm	(40.0 in)
Weight		540 kg	(1190 lbs)

* Including built-in wheels

Sterilization Chamber

Total Volume	142 L (5.01 cubic feet)
Usable Volume	120 L (4.24 cubic feet)
Dimensions (W x H x D)	425 mm x 425 mm x 790 mm (16.7 in x 16.7 in x 31.1 in)
Shelf Strength	35 kg (77 lbs)
Shelf Dimensions (W x D) (1 to 3 shelves)	Upper: 415mm x 775mm (16.3 in x 30.5 in) Lower: 410mm x 775mm (16.1 in x 30.5 in)

HMTS-142 Sterilization System Cycle

Normal cycle (Dual 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
Vent & Dry Run Stage	Return of sterilization chamber to atmospheric pressure and re-evacuation of chamber
Total Cycle Time	Surface: 35 ± 3min, Standard: 68 ± 3min, Advanced: 76 ± 3min

Cycle time varies depending on the type of load being sterilized.

Installation and Operating Requirements

Electricity:
220 – 240 VAC, 50 - 60 Hz, 3.5 kW, 1 phase

Placement:
Built-in wheels provide mobility.

Operational environment:
Temperature 18℃ - 35℃ (64.4℉ - 95℉)
Humidity 10% - 85% RH (Non-condensing)

Installation space:
Minimum area: 1290 mm x 1750 mm (50.7 in x 68.8 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 sides

Features

Operating system: Windows Embedded
User interface: 8.4" TFT Touch Monitor and Audible Alarm provide proper data-acquisition.
Network: 100/10 Mbps Ethernet
Print: Built-in dot printer
Door: Single door system
Self-test: Functions are available

Windows Embedded

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 14937: 2001 Sterilization of health care products
3) ISO 10993-5: 1999 Biological evaluation of medical devices – Part 5: Tests for in vitro cytotoxicity
4) EN 61010-1: 2001 Safety requirements for electrical equipment for measurement, control and laboratory use. General requirements.
5) EN 61010-2-040: 2005 Particular requirements for sterilizers and washer-disinfectors used to treat medical materials
6) EN 60601-1-2: 2001+A1; 2006. Medical electrical equipment. General requirements for safety. Collateral standard. Electromagnetic compatibility. Requirements and tests.

ISO 9001:2000 SGS · UKAS QUALITY MANAGEMENT 005 · CE 0120

* Product descriptions and images are subject to change without prior notice.

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