

Product Features

INSTECH low temperature plasma sterilizers are ideal for sterilizing medical devices in a cost, time and energy efficient way. These sterilizers come to you with the latest technology for excellent performance. These ensure rapid sterilization in an environmental friendly way without any toxic emissions. These are easy to install with zero site modification. These ensure safety to Stuff to be sterilized, Staff and humans. INSTECH products come with user-friendly touch interface and USB interface.

Following optional but essentials accessories are Available.

- Consumables
- Incubator
- Biological Indicator
- Chemical Indicator Strip
- Automatic sealing machine
- Tyvek Pouch SMMMS Wrapping sheet Tray
- Soft lumen
- H₂O₂ container

Materials suitable for INSTECH low temperature plasma sterilizer include:

- Acetal Resins
- Aluminium
- EVA (Ethyl-Vinyl-acetate)
- Glass
- Kraton
- PC (Polycarbonate)
- Polyethyiene
- Stainless Steel
- Teflon
- Polyetherimide(PEI)
- PMMA (Polymethyl Meth-acrylate)
- Polymer
- Polyolefin
- PP(Poly-Propylene)
- Polystyrene
- Polyurethane
- PVC (Poly-Vinyl-chloride)
- Titanium

Process Details

INSTECH low temperature plasma sterilizers utilize strong electro magnetic fields to create a hydrogen peroxide plasma cloud. The sterilization process has two stages : diffusion and plasma

- Diffusion: Unsterilized objects are placed into a vacuum chamber. Hydrogen peroxide vapor is injected and left to diffuse throughout the chamber for a specific time
- Plasma: Specific radio frequencies are introduced into the chamber converting vapor to plasma



IS LTPS-130



IS LTPS-150

Model Specifications

Model	IS LTPS 130	IS LTPS 150
Dimensions (L*W*H) External	1060*860*1660	1100*900*1660
Dimensions (L*W*H) Chamber	432*790*420	480*800*420
Weight	470 KG	580 KG
Chamber Capacity	130 L	150 L
Rated Power	3.6 kW	4.5 kW
Cycle Period	30 - 60mins	30 - 60mins
Control Interface	7"/10" LCD (Touch Screen)	
External Temperatures	~ 5°C - 40°C	
Humidity	~ 30% - 80%	
Rated Input	AC 220V/ 50 Hz	
Internal Temperatures	~ 40°C - 55°C	

All specifications can be altered to meet client needs

All Specifications are subject to change due to our policy of constant development

Product Features

- Automatic Feeding, Cutting and Sealing- set the length and quantity of bags as required
- Rolls of Different sized bags can be loaded at the same time for improved efficiency
- Microcomputer based precise temperature control
- Automatic stoppage of operations if the set parameters exceed the setting range, ensuring safe operations and proper sealing

Technical Parameters

- Sealing Speed: 10±0.5m/min
- Sealing Width: 12mm
- Sealing Margin: 0-35mm adjustable
- Cutting Length: >50mm
- Cutting Speed: 10±0.5m/min
- Working Temp: 60°-220°C Adjustable
- Temp Control Precision <±1°C
- Power :500W ++
- Weight: 5Kg
- Dimensions: 566X235X190mm

Materials and Features

- Bacteria/ Water/ Dust/ Alcohol proof
- H2O2 Plasma/ ETO Sterilization indicative marks
- Compliance with breathability/ barrier properties /non-toxicity/mechanical properties/ water repellence/ easy opening/ fissility
- Polyethylene films and Tyvek thermal compressed
- Tear direction and length instructions
- Visualization and good penetration performance
- Aseptic storage duration upto 6 months



Optional Features

- Touch Screen feature in graphical operation interface, single chip control, and adjustable parameter settings
- High definition printing system for printing medical device labels, marks and information

Image are indicative only, actual product may differ

Model	Products Name	Inner Size (mm) W X H X D	Cap/ Load/ (KW)	Weight (Kg)
IS CS-102	Automatic Cutting -Sealing Machine	962 x 290 x 200	600 W	38 Kg
IS CSP-103	Cutting -Sealing Printing Machine	1062 x 290 x 200	600 W	42 Kg
IS CSP-103 B	Cutting -Sealing 2 Line Printing Machine	1030 x 290 x 200	600 W	46 Kg
IS CSP-103 C	Cutting- Sealing 2 Line Printing Machine Adj Font	1090 x 290 x 200	600 W	48 Kg