



GENIST

Leading Medical Advancement

LOW TEMPERATURE STERILIZERS



एन एस आई सी
NSIC
ISO 9001 : 2008



ETO STERILIZER

MODEL NO.: GTE-001

TECHNICAL DETAIL

Genist Ethylene oxide gas sterilizers are designed to be used with Ethylene oxide gas cartridges to provide a safe & effective temperature sterilization process for Hospitals, Cath Labs, Medical Institutions, Eye Specialists, Ortho Specialists, etc. Genist has reliable ITO Sterilizers that provide the latest technology. Genist sterilizer uses Ethylene oxide to sterilize heat and/or moisture-sensitive devices. All Model Available in semi/fully automatic.

FULLY AUTOMATIC

In fully automatic, the sterilization is a one-touch operation; where the operator loads the material in the trolley provided along with the machine, closes the door, and then presses the Start button to initiate the cycle; the cycle then continues on its own, and after sterilizing and aerating the load; informs the operator that the cycle is complete. Once stored, this program cannot be modified by invoking the password command.



BOQ OF FULLY AUTOMATIC ETO (IMPORTANT PARTS)

SR. NO.	MATEIAL	MAKE/GRADE
01	INNER CHAMBER SS	JINDAL/316
02	OUTER BODY SS	JINDAL/304
03	GASKET	SILICON
04	GLASS WOOL	INSULATION 25 MM
05	PLC	DELTA
06	HMI	DELTA
07	PUNEMATIC VALVE	ROTEX
08	CATRIDGE	GENIST
09	COMPRESSOR	MATRIX
10	HEATER	ESCORT
11	SENSOR	RADIX
12	AIR CYCLINDER	SC 50 X 25
13	VACCUM GAUGE	VARRY



EQUIPMENT DESCRIPTION

- ▶ Heating System.
- ▶ Vacuum System.
- ▶ Humidity System.
- ▶ Control Panel.
- ▶ Air Inlet Filter.
- ▶ PLC/HMI.
- ▶ Instrument Printer.

SAFETY FEATURES

- ▶ All sensors linked to the automation ensure reliability and failsafe operation.
- ▶ Screen on the control panel indicates a specific phase during the operation.
- ▶ Every cycle, there is a Leak test period, which checks the leakage and aborts the cycle if there is a leakage in the system.
- ▶ Negative chamber pressure ensures that gas cannot escape into the operating area. Locked door sensor during cycle.
- ▶ Constant watch over entries and break diagnostic from automation, which warns the operator, by means of messages on indicator and buzzer.
- ▶ Cycle completion record is shown on the printout.
- ▶ Chamber and cabinet made of high-grade stainless steel.
- ▶ PLC display 7" color touch screen.

SIZE

SIZE OF INNER IN CFT(DIAXDEPTH)MM	MATEIAL	CAPACITY
300 X 300 X 900	2.6 CFT	(78 LITERS)
320 X 320 X 1200	4.5 CFT	(125 LITERS)
350 X 350 X 1200	5.2 CFT	(150 LITERS)

SIZE AVAILABLE AS PER CUSTOMER REQUIREMENT.

LOW TEMPERATURE HYDROGEN PEROXIDE PLASMA

MODEL NO.: GTPS-001

Shortest 17 mins cycle and small installation space required. It is especially good for OT/CSSD for fast sterilization of instruments in a small amount.

WORK MODE	SHORT TIME LOADING CONTINUOUS RUNNING
POWER SUPPLY	3N 380V / 1 PHASE, 220V
WORK TEMPERATURE	35 - 55°C
CHAMBER SHAPE	RECTANGULAR
DIMENSION	700(L) X 970(W) X 750(H)
DOOR(S)	SINGLE

SIZE AVAILABLE AS PER CUSTOMER REQUIREMENT



MODEL NO.: GTPS-001

Shortest 25mins cycle and small installation space required. It is especially good for OT/CSSD for fast sterilization of instruments in a large amount.

WORK MODE	SHORT TIME LOADING CONTINUOUS RUNNING
POWER SUPPLY	3N - 380V / 1 PHASE, 220V
CASSETTE USAGE	SHORT 12 CYCLE STANDARD: 6 CYCLES
WORK TEMPERATURE	35 - 55 °C
CHAMBER SHAPE	RECTANGULAR
AVAILABLE DIMENSIONS	800(L) X 1050(W) X 1730(H) 800(L) X 1050(W) X 1790(H) 1000(L) X 1100(W) X 1790(H)

SIZE AVAILABLE AS PER CUSTOMER REQUIREMENT

ADVANTAGES

FAST STERILIZATION

Shortest 17 minutes cycle. A shorter cycle time requires fewer instruments to meet the supply-demand. Therefore, cycle time is extremely important. With a shorter cycle time, the plasma sterilizer saves costs for extra instruments and enables the fastest turnover of important instruments.

SAFE AND GREEN STERILIZATION

GENIST Plasma Sterilizer is in full compliance with medical device safety standards. Sterilant in hydrogen peroxide and byproducts are only water and oxygen, which are completely safe for both human beings and the environment.

The sterilization cycle is strictly controlled below 60 C in a dry condition, avoiding damages caused by temperature and humidity changes. Dynamic laminar flow oil and gas separation technology together will create a special air absorbing device be ensuring exhausted air is clean and safe.

LOW-COST STERILIZER

In the long run, compared with other sterilizer technology (such as steam, EO, formaldehyde, etc.) GENIST Plasma Sterilizer has lower cost cycles than sterilizer precision instruments in a very gentle fashion, prolonging their lifespan while saving hospitals purchasing costs. In the meantime, the cost of the sterilizer and consumables are much lower than similar products, which saves a lot of daily expenses.

POWERFUL STERILIZATION

Sterilization Assurance Level means the probability of a single being sterile after it has been subjected to the sterilization process. GENIST Plasma Sterilizer can achieve 10 SAL.

SIMPLE OPERATION AND CONTROL

An intelligent sterilization control system allows one key sterilization and displays a cycle progress % countdown, which is convenient for relative work arrangements in hospitals.

EASY INSTALLATION AND SERVICE

Installation doesn't need room analysis, drainage system, ventilation system, detoxification devices, safety management, regulation measures, personal protective device, and training. Our experienced engineers will provide professional service for installation.

CONSUMABLES

Best materials & competitive price consumables such as Biological Indicator (B1), Chemical Indicator (C1) Hydrogen Peroxide Cassette, Non-woven Fabric, Instruments Tray. Package, etc.

CASSETTE

Fixed volume and concentration of hydrogen peroxide is sealed in every capsule. A short cycle consumes a capsule. The injection system and transformation procedure ensure the concentration and volume of hydrogen peroxide injected in the sterilization chamber, which is exactly the same for every cycle. In this way, the sterilization cycle is repeatable and guaranteed. Moreover, a cassette is easy for storage and operation and for staff when replacing a cassette.

BIOLOGICAL INDICATOR

- ▶ Simple Incubation and doesn't need a sterile environment.
- ▶ Special chemical ink for easy observation of color changes.
- ▶ Chemical indicator is easy to be torn off for long term storage
- ▶ In accordance with related pharmacopoeia, laws, and regulations

CHEMICAL INDICATION TAPE

- ▶ Used to fix non-woven fabrics when packing.
- ▶ Chemical indicator on tape to indicate whether the package is sterilized.

CHEMICAL INDICATION STICKER

(Two-layer sticker can be separated and written with packing information)

- ▶ Used to fix nonwoven fabrics (SMS) when packing.
- ▶ Chemical indicator on tape to indicate whether the package is sterilized.
- ▶ Stickers are separated and don't need cutting.
- ▶ Stickers can be removed and stored after sterilization.

NON-WOVEN FABRIC

Used to pack Instrument Tray during packing air permeable, waterproof, flexible, nontoxic.

CHEMICAL INDICATOR

- ▶ Made with special ink to indicate sterilization status.
- ▶ Can write information on it.
- ▶ Convenient for sterilization on record.
- ▶ Show the sterilizer's working status directly

PACKAGES

- ▶ Used to pack instruments for sterilization.
- ▶ With chemical indicator.
- ▶ Disposable medical item.

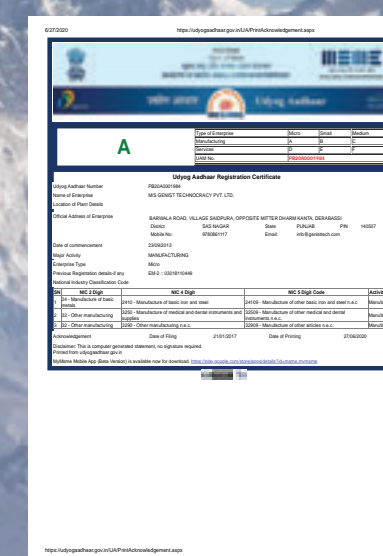
SIZE & CAPACITY

SIZE OF INNER CHAMBER IN MM	CAPACITY
300 X 300 X 300 MM	50 LITERS
300 X 300 X 1200 MM	100 LITERS
320 X 320 X 1200 MM	125 LITERS
350 X 350 X 1200 MM	150 LITERS
410X410X1200MM	200 LITERS

SIZE AVAILABLE AS PER CUSTOMER REQUIREMENT.

Our Certifications

We Believe that the way to the summit passes through high-quality and reliable manufacturing.





CONTACT US



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