



INDUSTRIAL ETO STERILIZER

- To sterilize Surgical Medical Device Products like I.V. Sets ,Disposable Syringes,Disposable Surgical Set,catheter,Urine Bag,to reduce microbiological load,and increase life span of material.
- Modular construction of chamber
- All Machines are available with conventional hinged doors,or Modern Automatic Sliding door options Models are available in Semi Automatic as well as Fully Automatic.
- Double Door,Flush mounting with door interlocking systems.
- Important sterilization parameters like phase status,Current Values & set values,all times on Controller Screen displayed on HMI Screen
- Continuos display of Temperature,Humidity and Pressure On-line allows user to be aware of Cycle status at all times.
- Model is available from 1/2 CU.MTR TO CU.MTR.(and as per requirement)
- IQ/OQ/DQ documentation(OPTIONAL)

SIGNAL DOOR AUTOMATIC ETO STERILIZER WITH PLC,MICROPROCESSOR PANEL

Specifications

Sr.	Item	
1	Inner Seal (Chamber)	MS with Inner SS 304 cladding (Thickness:-8 mm) (5' x 6' x 12')
	Inner Seal (Jacket)	MS (Thickness:-6 mm)
	Hot Water Tank	SS 304 (Thickness:-3 mm) (24" X 48")
	Steam. G Tank	SS 304 (Thickness:-3 mm) (15" X 24")
	Chamber Operating Pressure	Negative pressure cycle
	Chamber Testing pressure	3 Kg/cm ²
	Signal Door	MS with Inner SS 304 cladding
2	Hinge	MS
3	Central Locking parts	CI Casting, Wrinkle-black painted
4	Shooting Bolts	Tempered, Chrome coated
5	Outer Insulation	SS 304
	Gasket	Silicon Gasket (30/30 mm solid section)
	Penal	MS
	Heating	Circulation pump will rotate hot water around the chamber
6	Temperature Sensor	For accurate measuring and controlling of Temp. in the chamber
7	Operating Temperature	Maximum: 65°C (chamber)
8	RH% Sensor	For measuring and controlling the humidity of the chamber
9	Pressure Transmitter	For measuring and controlling the pressure-vacuum that the load is subjected to during removal and charging of Gas.
10	All fittings on the machine	SS 304
11	Safety Valves	Brass Casting
12	All Valves for Automation	Teflon construction Pneumatic valves, Solenoid valves.
13	Humidification	Special Humidifier for the purpose of humidification of the load and heating of the gas.
14	Vacuum	Vacuum pump provided for vacuum and aeration of the load.
15	Automation Hardware	PLC Make: Schneider , HMI Make: Schneider, 7" DISPLAY

16	Process Reports	Reports are generated by the software for each and every cycle in Detailed Report
17	Scrubber System	We Provide Scrubber System for Ethylene oxide gas Remove Scrubber Fabricated with SS 304

DISPLAY:

1. HMI For all machine status and manual operate
2. RH sensor for RH value

FEATURES AND BENEFITS OF THE AUTO -ETO STERILIZER

The Auto Eto gas sterilizer is compact stand-alone sterilizer chamber. The following points make our sterilizer more advantages.

Machine:

1. One Touch operation makes operator expertise & dependence unessential.
2. The lights on the front panel of the sterilizer show cycle status and various operations.
3. Chamber size can be made as per specific requirement of customer.
4. Hot and Cold sterilization cycles with possibility to set the temperature independently.
5. Wide choice of sizes with particular emphasis of use & application of customer.

Safety:

1. The cycle operates in vacuum and hence is safer to operate, as there is minimum chance of leakage.
2. The electronic design provides accuracy of operation, dependability and repeatability.
3. The sterilizer can aerate items after sterilization. The sterilization-aeration process can be continuous in one chamber and hereby eliminate gas exposure during load transfers to aerators.
4. After the sterilization cycle, the chamber is purged or aerated continuously until the door is opened. This prevents a buildup of ethylene oxide from items aerating in the chamber.

AUTOMATIC EO GAS STERILISER:

1. The actual volume is more than that of the Standard sterilizer, although the machine is costmaries in size.
2. The use of 'VALVE' makes the operation of the cycle very easy.
3. Operational Safety:- As the entire sterilization cycle operates under negative & projective pressure (under Vacuum).
4. A Vacuum cycle helps in an overall better performance of the machine and is very ideal for operational safety.

Sr. No.	Model no.	Chamber			
		Length	Width	Depth	Capacity
1	PBT/TT/SS-1.0	900	900	1200	1.0
2	PBT/TT/SS-1.5	900	900	1800	1.5
3	PBT/TT/SS-2.5	1200	1200	1800	2.5
4	PBT/TT/SS-3.5	1200	1200	2400	3.5
5	PBT/TT/SS-8.0	1500	1500	3500	8.5