Ethylene Oxide Sterilizer



Description

Ethylene oxide sterilizer is mainly through its non-specific alkylation with genetic materials such as protein and DNA/RNA in microor-ganisms, resulting in the denaturation of proteins and genetic materials, and finally the death of microorganisms due to blocked metabolism.

Application

Rigid endoscope, hose endoscope, ophthalmic lens, ffiber optic cable, surgical instruments, metal, glass, silica gel, rubber, traditional Chinese medicine, western medicine, human plants, DNA, etc.

Advantage

● Humidification: Utilizes steam degradation analysis method with built-in steam generator for comprehensive and uniform humidifi-cation and heating while minimizing water mist.

● 3.5" LCD screen: Equipped with a filter for stability, prolonging the service life and accuracy of the control screen.

● Power-off memory function: Preserves sterilization data and automatically resumes unfinished work procedures in case of accidents or power loss.

● Safety protection function: Includes alarm protection for abnormal temperature, ultra-high temperature, abnormal pressure, low vacuum rate, residual faults, phase sequence errors, and power shortage in the sterilization chamber to prevent further issues.

Ethylene Oxide Consumable

Steam EO sterilization pouch roll, Chemistry indicator strip, Biological indicator, Chemistry indicator tape, Chemical indicator label, EO sterilization gas, Medical non-woven fabric, Sealing machine, EO sterilization gas.

Specification

Model	ST - EO40
Capacity	23L
Type	Desktop
Heating Method	Electric heating
Working Temperature	50°C±3°C
Selected Gas	Pure ethylene oxide gas
Sterilization Time	0-99 hours adjustable
Temperature Display	3.5 inch LCD display
Maximum Anti - stress Value	-140kpa
Power Supply	AC220/110V, 50/60Hz
Consumption	3.3kW
Internal Size(Ø×D)	Ø246×450mm
External Size(W×D×H)	730×510×410mm
Shipping Size (W×D×H)	900×700×600mm
N.W./G.W.	56/76kg

Ethylene Oxide Sterilizer



ST-EO80/120/220/330



ST-EO120I/220I

Application

Ethylene oxide (EO) sterilizers are core equipment for the industrial sterilization of medical devices and healthcare products. The powerful penetrating ability of ethylene oxide (EO) ensures efficient sterilisation without causing any thermal damage, penetrating deep into the interior of complex instruments. Widely used for high-precision or heat-and-moisture-resistant medical devices, such as endoscopes, various probes, surgical instruments, human implants. and pharmaceutical packaging materials and containers.

Advantage

● Fully automatic control system, one click start to end, complete the entire process automatically.

● The display screen displays temperature, humidity, pressure, disinfection time, residual gas treatment time, and frequency.

● Built in sensor, automatically detects temperature, humidity, and pressure inside the cavity.

● The 5052 aluminum material sealing door has a pressure resistance of 200Kpa, and there is no leakage of ethylene oxide gas.

● Residual gas treatment device filter for particle diameter ≥ 0.2 μm. The filtration rate of m is not less than 99.5%.

Specification

Model	ST-EO80	ST-EO120	ST-EO220	ST-EO330	ST-EO120I	ST-EO220I
Capacity (L)	67	103	196	294	126	192
Sterilizing Temp.	36–55°C					
Product Form	Manual door vertical					
Heating Method	Electric heating					
Display	5" LCD Touch Screen				7" LCD Touch Screen	
Controller	PLC					
Sterilizing Time	Adjustable 0-99hours					
Sterilizer Pressure	- 60kPa					
Sterilization Method	Low temperature, 100% Pure EO gas sterilization					
Safety Protection	Temperature and Pressure protection					
Tray	2 stainless net steel					
Printer	Built–in Thermal mini - printer					
USB Port	Yes					
Internal Material	SS304 Stainless Steel				5052 Aluminium, has better thermal conductivity than stainless steel	
External Material	Carbon steel					
Vacuum System	High - performance, low - noise, oil - free vacuum pump					
Humidity System	Use saturated steam to humidify the sterilization chamber, and the air humidity is more uniform					
Timing System	EO gas diffusion time and residual EO aeration timing settable					
Pre - set	Standard Sterilization Mode and Residual Washing					
Power Supply	220V/110V, 50/60Hz					
Consumption (kW)	2.6	3.0	3.3	3.6	3.0	3.6
Internal Size (W×D×H) (mm)	585×275×422	585×375×472	705×505×552	760×545×712	700×450×400	820×510×460
External Size (W×D×H) (mm)	795×415×1140	795×615×1140	968×800×1240	968×800×1400	976×790×1715	976×790×1715
Net Weight(kg)	124	147	207	227	227	247
Shipping Size (W×D×H) (mm)	970×770×1310	940×750×1310	1120×920×1400	1020×930×1530	1130×920×1860	1130×920×1860
Gross Weight (kg)	150	177	237	277	274	297