



# ***ETHYLENE OXIDE STERILIZER LEOS-A1 SERIES***

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## **Ethylene Oxide Sterilizer LEOS-A10**

Ethylene Oxide Sterilizer LEOS-A10 is a vertical, constant temperature heating box type sterilizer cabinet with manual door opening offers 80 L of capacity, 50 °C sterilization temperature, -60 kPa work pressure. Sterilization room material is made of 304 anti-corrosion type stainless steel, and outer box material is of carbon steel (thickness 1.8 mm) baked plastic powder with electric heating method having automatic ventilation with 30 mins interval once. Built-in temperature; humidity; pressure sensor with automatic control system ensures stability, efficiency and quality. Digital LCD screen shows temperature, humidity, pressure, sterilization time, residual treatment time, the number of times. Built-in printer prints the whole process of sterilization information for recording and verification check. Explosion-proof electric heating device with over-voltage and over-temperature protection, residual air automatic processing system, reliable operations.

## **Ethylene Oxide Sterilizer LEOS-A11**

Ethylene Oxide Sterilizer LEOS-A11 is a vertical, constant temperature heating box type sterilizer cabinet with manual door opening offers 120 L of capacity, 50 °C sterilization temperature, -60 kPa work pressure. Sterilization room material is made of 304 anti-corrosion type stainless steel, and outer box material is of carbon steel (thickness 1.8 mm) baked plastic powder with electric heating method having automatic ventilation with 30 mins interval once. Built-in temperature; humidity; pressure sensor with automatic control system ensures stability, efficiency and quality. Digital LCD screen shows temperature, humidity, pressure, sterilization time, residual treatment time, the number of times. Built-in printer prints the whole process of sterilization information for recording and verification check. Explosion-proof electric heating device with over-voltage and over-temperature protection, residual air automatic processing system, reliable operations.

## **Ethylene Oxide Sterilizer LEOS-A12**

Ethylene Oxide Sterilizer LEOS-A12 is a vertical, constant temperature heating box type sterilizer cabinet with manual door opening offers 220 L of capacity, 50 °C sterilization temperature, -60 kPa work pressure. Sterilization room material is made of 304 anti-corrosion type stainless steel, and outer box material is of carbon steel (thickness 1.8 mm) baked plastic powder with electric heating method having automatic ventilation with 30 mins interval once. Built-in temperature; humidity; pressure sensor with automatic control system ensures stability, efficiency and quality. Digital LCD screen shows temperature, humidity, pressure, sterilization time, residual treatment time, the number of times. Built-in printer prints the whole process of sterilization information for recording and verification check. Explosion-proof electric heating device with over-voltage and over-temperature protection, residual air automatic processing system, reliable operations.



### **Ethylene Oxide Sterilizer LEOS-A13**

Ethylene Oxide Sterilizer LEOS-A13 is a vertical, constant temperature heating box type sterilizer cabinet with manual door opening offers 360 L of capacity, 50 °C sterilization temperature, -60 kPa work pressure. Sterilization room material is made of 304 anti-corrosion type stainless steel, and outer box material is of carbon steel (thickness 1.8 mm) baked plastic powder with electric heating method having automatic ventilation with 30 mins interval once. Built-in temperature; humidity; pressure sensor with automatic control system ensures stability, efficiency and quality. Digital LCD screen shows temperature, humidity, pressure, sterilization time, residual treatment time, the number of times. Built-in printer prints the whole process of sterilization information for recording and verification check. Explosion-proof electric heating device with over-voltage and over-temperature protection, residual air automatic processing system, reliable operations.

### **Ethylene Oxide Sterilizer LEOS-A14**

Ethylene Oxide Sterilizer LEOS-A14 is a vertical, constant temperature heating box type sterilizer cabinet with manual door opening offers 460 L of capacity, 50 °C sterilization temperature, -60 kPa work pressure. Sterilization room material is made of 304 anti-corrosion type stainless steel, and outer box material is of carbon steel (thickness 1.8 mm) baked plastic powder with electric heating method having automatic ventilation with 30 mins interval once. Built-in temperature; humidity; pressure sensor with automatic control system ensures stability, efficiency and quality. Digital LCD screen shows temperature, humidity, pressure, sterilization time, residual treatment time, the number of times. Built-in printer prints the whole process of sterilization information for recording and verification check. Explosion-proof electric heating device with over-voltage and over-temperature protection, residual air automatic processing system, reliable operations.

### **FEATURES**

- ★ Vertical, constant temperature heating box type ethylene oxide sterilizer cabinet with manual door opening
- ★ 304 stainless steel and carbon steel baked plastic powder for sterilization room and outer box respectively with electric heating method
- ★ Automatic ventilation, 3×cycle ventilation with 30 minutes interval once
- ★ Digital LCD display with automatic control system and printer
- ★ Built in sensor: humidity; pressure; temperature for precise and effective control
- ★ Oil-free vacuum pump; explosion-proof electric heating device for convenience
- ★ High and low temperature alarm system
- ★ Incorporated with casters for easy movements
- ★ Sealed wear parts
- ★ Simple and convenient operation with long service life

## APPLICATIONS

Ethylene Oxide Sterilizer used to sterilize catheters, resuscitation bags, anesthesia masks, most fiber-optic instruments, glassware, solution medium, assembled complex devices, Custom procedure packs, equipment with integrated electronics, multi-lumen tubing products, stents, wound care dressings etc. across the field of pharmaceutical industries, metal & glass industries, hospitals, laboratories and research institutes etc. This autoclave most suits for prosthetic implants (joint, hip and knee replacements) sterilization.

## SPECIFICATION

Model	LEOS-A10	LEOS-A11	LEOS-A12	LEOS-A13	LEOS-A14
Type	Vertical; constant temperature heating box type				
Door opening	Manual				
Capacity	80 L	120 L	220 L	360 L	460 L
Sterilization temperature	50°C ± 3°C				
Work pressure	-60 kPa				
Maximum pressure	-140 kPa				
Humidity (sterilization)	45% to 75%				
Sterilizing gas	Ethylene oxide; 1g/L				
Sterilization time	0 to 99 hrs; adjustable				
Vacuum speed	-60 kPa in 15 mins				
Ventilation	Automatic				
Ventilation cycle	3 times; 30 mins interval once				
Control system	Automatic; one-button				
Display	Digital LCD display				
Printer	Yes				
Humidity sensor	Yes; cavity humidity: >45% RH				
Pressure sensor	Yes				
Temperature sensor	Yes; cavity temperature: 50°C ± 3°C (within precise range)				
Vacuum system	Oil free vacuum pump				

Heating system	Electric; explosion-proof electric heating device				
Alarm system	High/low temperature				
Protection features	over-voltage, over-temperature protection, residual air automatic processing system				
Sterilization room material	304 anti-corrosion type stainless steel				
Outer box material	Carbon steel (thickness 1.8mm) baked plastic powder				
Wear parts	Seal				
Caster	Yes				
Power	1.5 kW	2.8 kW	3.0 kW	3.6 kW	4.5 kW
Chamber dimensions (W×D×H)	320×600×450 mm	400×600×500 mm	500×740×600 mm	600×830×730 mm	600×960×820 mm
Dimensions (W×D×H)	620×780×1100 mm	620×780×1170 mm	720×920×1250 mm	820×1010×1380 mm	800×1140×1480 mm
Weight	176 kg	196 kg	296 kg	340 kg	380 kg

