



6-APPLICATION FIELDS;

Medical Equipments,

Syringes, infusion lines, medical gloves, various catheters, oxygen breathing devices, surgical threads, surgical instrument, anesthesia equipment, surgical gowns and drapes, endoscopes, dental instruments, heart-lung pumps, dialysis hoses

Food

Sterilization of spices

Some Medical and Cosmetic Applications

Medicinal plants, pharmaceutical capsules and boxes, brushes, face powders

Culture Products

Old books and library applications

Textiles and Chemicals

Fabrics, leather, chemical fibers

8-TECHNICAL SPECIFICATIONS:

MATERIAL OF CASE BODY: STAINLESS STEEL ,

STERILIZING TEMPERATURE: 0-100 °C

STERILIZING PRESSURE: -0,8 / +0,8 BAR

PRE-VACUUM: -0,8 BAR

STERILIZING HUMIDITY: 20-100%RH

EO CONCENTRATION: 250-1200 mg/L

STERILIZING TIME: 0,5-12 HOURS

AERATION TIME: 0-99 HOURS

TIMES OF AIR CHANGE: 0-99

ETHYLENE OXIDE WASTE GAS TREATMENT: STANDARD

STEAM GENERATOR: 28 kW

INDUSTRIAL ETO GAS STERILIZERS



7-MODELS & SPECIFICATIONS

Our standard models are listed in the table below. Devices can be produced upon desired size and characteristics of the customer.

Specifications	Inside Size (LxWxH) cm	Outer Size (LxWxH) cm
AX-3 / 3m³	150 x 135 x 170	300 x 295 x 240
AX-7 / 7m³	300 x 135 x 170	345 x 295 x 240
AX-10 / 10m³	450 x 135 x 170	495 x 295 x 240
AX-15 / 15m³	675 x 135 x 170	720 x 295 x 240
AX-20 / 20m³	900 x 135 x 170	945 x 295 x 240
AX-25 / 25m³	1075 x 135 x 170	1120 x 295 x 240
AX-30 / 30m³	1300 x 135 x 170	1345 x 295 x 240
AX-35 / 35m³	1500 x 135 x 170	1545 x 295 x 240
AX-45 / 45m³	1950 x 135 x 170	1995 x 295 x 240

** Production is possible in special sizes.*

1-INTRODUCTION TO INDUSTRIAL STERILIZERS

Industrial type of Ethylene Oxide Sterilizer is the fastest way to sterilize all kinds of medical equipment which are heat-sensitive or susceptible to moisture. Sterilization can be performed for medical equipment in their original packaging and does not need extra packaging.

Sterilizers using EtO cylinders which are available on the market and allows loading goods by pallets. A pair of the automatic sliding door provides easy loading, unloading, let to clean the chamber by forced air circulation after the post operation and pass through option for clean room operations. To eliminate pressure risk, security lock jaws have been installed on the sterilizer's door.

The inflatable silicone gasket eliminates risks of gas leakage which occurs by air pressure. System testing for gas leakage under vacuum conditions per each cycle provides full security. Devices are long-lasting thanks to its stainless steel structure.

Industrial Type of Ethylene Oxide Sterilizers can work under negative and positive pressures. Temperature, Time, Pressure, Humidity data recording, saving and printing online, according to EN 1422 and EN 11135 standard protocols can perform for validation and follow-up process. The system comes with a large set of spare parts as free.



2-WORKING PRINCIPLE

The product main production principle is long term working without failure and minimum maintenance requirement. Ethylene Oxide is a broad-spectrum bacterial agent and can be used to kill various kinds of microorganism including bacterial vegetative form, spore, virus and fungal spore. It is generally agreed that Ethylene Oxide kills the microorganism because it produces a non-specific alkylation with the protein, DNA and RNA.

3-FEATURES OF STERILIZATION

Ethylene Oxide gas could sterilize products under lower temperature, pressure and humidity. With its strong penetrating, broad-spectrum bactericidal, absolutely sterilizing the materials without damaging and corroding products.

4-MAIN SYSTEM

Ethylene Oxide systems are consist of sterilizing chamber, vacuum system, heating circulation system, humidification system, gasifying system, door and seal system, residual gas treatment system etc.



5-MAIN SYSTEM

- STERILIZATION CHAMBER
- HEATING AND HOT WATER
- CIRCULATION SYSTEM
- VACUUM SYSTEM
- HUMIDIFICATION SYSTEM EO
- GASIFYING SYSTEM
- ELECTRICALLY OPERATED
- DOUBLE AUTOMATIC
- SLIDING DOOR AND AIR
- INFLATION SEALINGS, PAIR
- RESIDUAL GAS TREATMENT SYSTEM
- CONTROL PANEL UNIT INCLUDE
- ALARM&SAFETY SYSTEM,
- RECORDER&PRINTER