



Ethylene Oxide Sterilizer

FM-ETS-A100

Index

Sr.no	Title	Page no
1.	Introduction	2
2.	Features	2
3.	Specifications	3
4.	Applications	3
5.	Installation	4

1. Introduction

Ethylene Oxide Sterilizer FM-ETS-A100 is vertical (manual front door opening) cabinet and microprocessor controlled autoclave with the sterilization capacity of 120 L. This fully automatic unit features 50°C sterilizing temperature, -60 kPa hydraulic pressure and 0 to 99 hour adjustable sterilization time. Its inner sterilization chamber is made up of high grade durable 304 anti-corrosion type stainless steel material and outer box is made with the carbon steel backed plastic powder. It uses pure ethylene oxide gas as a sterilizing agent and equipped with digital LCD display panel to monitor temperature, humidity, pressure, sterilization time.

2. Features

- ✓ Microcomputer controlled system
- ✓ Designed with vertical (manual front door opening) cabinet
- ✓ Sterilization temperature is 50°C
- ✓ Sterilize agent 100% Ethylene oxide gas
- ✓ Hydraulic pressure is -60 kPa and maximum pressure value is -140 kPa
- ✓ Designed with LCD display to monitor time, temperature, humidity and pressure
- ✓ Built-in parameters automatically detects the cavity humidity, temperature and pressure sensor to ensure the accuracy
- ✓ Temperature, pressure and humidity sensor to ensure the accuracy
- ✓ 02 Stainless steel plates (trays) for loading articles
- ✓ Designed with oil-free vacuum pump, simple and convenient, fast vacuum rate, long service life
- ✓ Equipped with high and low temperature alarm system
- ✓ Automatic dosing to ensure zero gas leakage
- ✓ Humidification system to ensure uniform humidity within the cavity control
- ✓ Anti-explosion and fire resistance heating system
- ✓ Over voltage and over temperature protection feature
- ✓ Automatic memory recovery function to resume operation
- ✓ Complies with international standards such as ISO13485 and CE certificate

3. Specifications

Model No.	FM-ETS-A100
Sterilizing chamber Capacity	120L
Type	Constant temperature heating box
Cabinet	Vertical (manual front door opening)
Category	Class B
Working temperature	50°C
Temperature accuracy	± 3°C
Sterilization time	0 to 99 hour (adjustable)
Working pressure	-60 kPa
Maximum pressure value	-140 kPa
Humidity during sterilization	45% to 75%
Vacuum speed	15 minutes to -60 kpa
Sterilizing Gas	Ethylene Oxide gas with concentration 1 g/L
Heating method	electric heating
Display	Digital LCD display
Ambient temperature	5°C to 40°C
Atmospheric humidity	≤ 80% RH
Atmospheric pressure	70 to 106 kPa
Sterilization chamber material	304 anti-corrosion type stainless steel
Outer box material	Carbon steel backed plastic powder
Outer box thickness	1.8 mm
Sterilizing plate	02 Stainless steel plates (trays)
Casters	Yes
Maximum power consumption	2.8 kW
Voltage	AC 220 V, 50 Hz
Packaging Dimension (L×W×H)	920 × 740 × 1320 mm
Net weight	160 kg
Gross weight	195 kg

4. Applications

Ethylene Oxide Sterilizer is used in the pharmaceutical industries, metal & glass industries, hospitals, laboratories and research institutes for the sterilization of probe, endoscope, endoscope, ophthalmic lens, fiber optic cable, cranial pressure sensor, resect scope, esophageal dilator, electro cautery device, electrode, laser head, metal, glass, silicone, rubber, medicine and DNA.

5. Installation

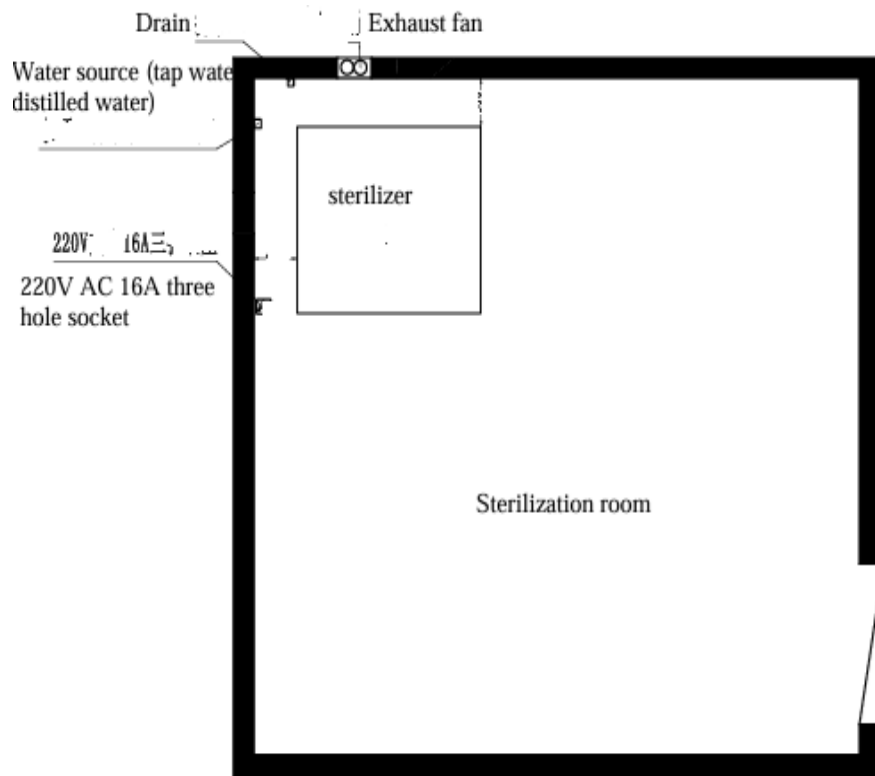


Figure-1

Explanation:

- 1) After the purchaser confirms the drawings, the supplier will install them according to the requirements and will not make any changes. If the purchaser needs to make changes during on-site installation, the relevant modification costs shall be borne by the purchaser.
- 2) The supplier is only responsible for equipment installation. The installation of a 220V AC 16A three-hole socket, inlet and outlet water pipes, explosion-proof lights, and fans shall be the responsibility of the purchaser.

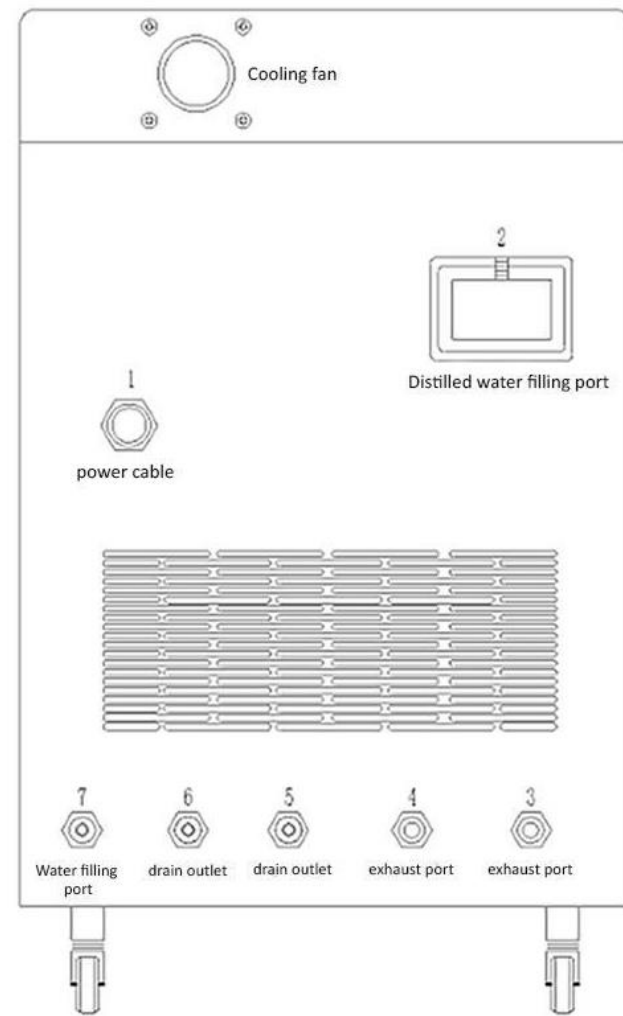


Figure-2

Installation procedure:

- 1) **Power cord:** Connect the AC 220V. 16A three-hole socket to the power supply. (If it's a 10A three-hole socket, replace it with a 16A three-hole socket.)
- 2) **Distilled water filling port:** Slowly pour in distilled water, and there is no water pressure in the internal distilled water tank of the equipment.
- 3) **Exhaust port:** When the distilled water tank is filled with water or is too full, this port will drain steam.
- 4) **Exhaust port:** Connect the PU pipe to the sewer and secure it securely
- 5) **Drainage outlet:** manual knob, discharge distilled water from equipment. (Can be equipped with an external water container)
- 6) **Drainage outlet:** Manual knob to discharge internal water from the equipment. (Can be equipped with an external water container)
- 7) **Water inlet:** Connect the water pipe and tighten the joint with a wrench to prevent it from falling off during use. If the faucet on the user's water pipe does not match, install the stainless-steel wire braided hose that comes with the sterilizer.