



# ESS-250KE series

Horizontal Autoclave with  
Motorized Safety Lock



STERILIZATION



## Application

It is widely used in the fields of supply room, pharmaceutical factory, lab, and is suitable for items which are high temperature resisting and high pressure resisting including packaged, unpackaged, A hollow, B hollow and device with built-in pipe to be sterilized.

## Advantages

- Major controller: high performance programmable controller, with a powerful function, stability and reliability.
- Controller software design: unique real-time feedback module based on fuzzy control theoretical, ensuring accurate processing control, guaranteeing the bond, fluctuation and uniformity of temperature thoroughly.
- Man-machine interface: 10 inch sixty-five thousand TEF true-color touch screen, with a powerful function, rich colors as well as real time curve drawing of animation and curve report, etc.
- Man-machine interface software: menu programming, one-key touch operation and all kinds of operation intensive design, with elegant appearance. Full-color real-time dynamic displaying during each running process.
- Maintenance plan management: remind user of maintenance, including cleaning sealing ring, wiping main body and checking filter regularly.
- Fault: Perfect fault information warning and fault self-diagnosis function.
- Sealing door: patent structure, small clearance, nice appearance, good insulation property.
- Pneumatic valve and solenoid valve: high quality, stable performance and a long lifespan.

## Optional modules

- Optional protection system of three-level user privilege: be convenient for user to manage equipment.
- Optional Network interface module: remote monitoring for device.
- Optional barcode scanner: be convenient to insert to hospital HIS system.
- Optional USB storage system: real-time store the operating situation into USB storage device.
- Optional central monitoring system: remote operation for device.

## Safety features

- Mechanical pressure relief safety valve for chamber and jacket.
- Over-pressure protective device of chamber.
- Over-temperature protective device of chamber.
- Fault self-checking device of temperature sensor.
- Fault self-checking device of pressure sensor.
- Overload protective device of door motor.
- Overload protective device of vacuum pump.
- Protective measure device of door safety.
- Interlock function device of double door.
- Phase sequence detection function device of power network.
- Electric leakage protection function device of door seal .
- Undervoltage detection device of compressor.

## Structure



Patent invention for door structure

There are some good qualities besides traditional door structure's feature.

Zero mechanical damage for door gasket

Roughly zero fault for driving system

Easy to maintenance, keep warm, energy-saving

Open door quickly

## Parameters

Model	Capacity	Chamber dimension (LxWxH)mm	Outer dimension (LxWxH)mm	Net weight (Kg)	Dynamical power (AC380V /50HZ/KW)		Maximum steam consumption (KG/Cycle)	Maximum water consumption (KG/Cycle)
					Built-in steam generator	without generator		
ESS-250KE/240	240L	670x600x600	960x1255x1900	750	23	3	18	200
ESS-250KE/300	300L	1000x550x550	1388x950x1800	750	12		19	150
ESS-250KE/300D					30	12		
ESS-250KE/360	360L	1000x600x600	1290x1255x1900	930	23	3	22	200
ESS-250KE/450	450L	672x672x1000	1388x975x1980	950	12		22	200
ESS-250KE/450D				1035	30	12		
ESS-250KE/600	600L	610x910x1180	1470x1325x2320	1400	40	4	28	250
ESS-250KE/1000	1000L	660x950x1800	1800x1410x1940	1950	48*	5	40	250

\* EXTERNAL STEAM GENERATOR

