



# ESD Line

Bench top steam  
sterilizers - Class B



STERILIZATION



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## Bench top steam sterilizers - Class B



### *Introduction*

ESD line is a series of class B automatic high temperature and pressure rapid sterilizers which work through the steam. It can be widely used in medical and health department such as laboratory, ophthalmology, operating room, CSSD, dialysis room, delivery room, etc. It is suitable for all wrapped or unwrapped items: solid instruments, liquid in lid-open container, implantable instruments, dressing fabric and rubber tubes, etc.

### *Built-in open type water tank*

The sterilizers adopt easy-clean open type water tank equipped with water quality monitor to ensure the reliability of steam quality and sterilizer operation. A fully injected water tank can support repeated program running.

### *Brand-new operation interface*

The LCD screen can display temperature, pressure, time, operating status, failure warning and other information. It is convenient for customers to observe the sterilizer running status.

### *Multiple safety protective device*

Overheat auto-protective device, multiple control and protection of steam generator, safe door interlock protection, double overpressure protection, electronic circuit safety device.

### Automatic door

The ESD-45 sterilizer adopts auto-door structure that can effectively prevent scald.  
The ESD-60 and the ESD-80 sterilizers door structure adopt multipoint stitching technology to ensure seal reliability.  
The door is equipped with convenient one-button switch

### Multiple program types

The system has various programs that include: wrapped items, unwrapped items, rubber items, custom program, rapid program, BD testing program, vacuum testing program, preheat program and drying program.

### High-efficiency ultimate vacuum

The sterilizer adopts high-efficiency low-noise vacuum system which has excellent effect. The ultimate vacuum value can reach -90KPa or above.

### High-efficiency steam generator

The ESD-45 autoclave is equipped with build-in instant steam generator.  
The ESD-60 and the ESD-80 are equipped with build-in energy-storing steam generator.

### Other features

A 0.22 $\mu$ m high-efficiency sterilizing filter guarantees the sterile air and prevents repeated contamination.  
All the processes of water injection, pulse vacuum, heating up, sterilization and exhausting are automatic.  
**Optional:** printer to print date, time and process parameters.

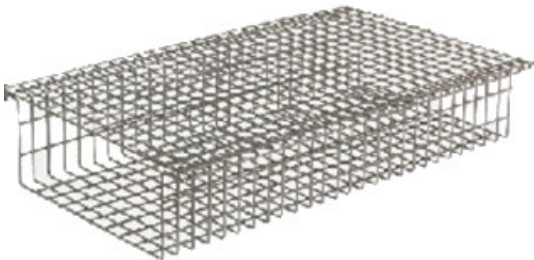




## Technical Features

Cod.	ESD-45	ESD-60	ESD-80
<b>Volume</b>	45 Liters	60 Liters	80 Liters
<b>Design pressure</b>	0.1/0.3Mpa	0.1/0.3Mpa	0.1/0.3Mpa
<b>Design Temperature</b>	144°C	144°C	144°C
<b>Maximum working pressure</b>	0.23Mpa	0.23Mpa	0.23Mpa
<b>Vacuum limit</b>	0.080Mpa	0.080Mpa	0.080Mpa
<b>Temperature Range</b>	105~138°C	105~138°C	105~138°C
<b>Accuracy of pressure display</b>	1kpa	1kpa	1kpa
<b>Chamber material</b>	stainless steel	stainless steel	stainless steel
<b>Chamber Dimension</b>	Ø316x618mm	Ø385x595mm	Ø385x717mm
<b>Overall Dimension (LxWxH)</b>	830x640x550mm	1002x730x560mm	1002x730x560mm
<b>Net weight</b>	115kg	160kg	180kg
<b>Voltage</b>	220V	220V	220V
<b>Power frequency</b>	50/60Hz	50/60Hz	50/60Hz
<b>Door</b>	Auto	Multipoint stitching technology	Multipoint stitching technology

## Accessories



2 levels of shelves



Tray load rack  
+ 4-level rack



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