



# ES8 @bY

Bench top steam  
sterilizers - Class B



STERILISATION



# ES8 @JbY

## 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.

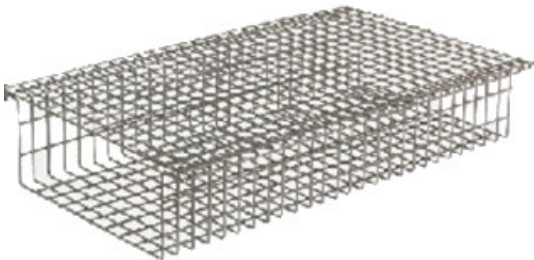




## Technical Features

| 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>             | 06Cr19Ni10 stainless steel | 06Cr19Ni10 stainless steel      | 06Cr19Ni10 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 |

## Accessoires



2 levels of shelves



Tray load rack + 4-level rack



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