ES-10xxSV Line

Bench top steam sterilizers - Class B

STERILISATION

ES-10xxSV Line

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Sterilization temperature 110°C to 135°C
EN-13060-2 class B sterilization cycle
Pre vacuum - water filling – heating – Sterilizing - ventilation- post vacuum drying - end cycle.

Pre vacuum air removal and Post vacuum Drying system
Pre-vacuum for effective air removal that results in increasing sterilization performance. Post-vacuum for drying with remain ing steam removal.

Microprocessor program controller with self auto-tuned and LCD monitor
7 pre-programmed cycle as 2 wrapped, 2 unwrapped, liquid, Bowie- dick and 1 user programmable course.

Full automatic operation system
Easy operation with full automatic process cycle by microprocessor controller from beginning to end cycle.

Self - diagnostic and Safety system
In case of any malfunction, it alarms and displays error codes for easy maintenance, being stop working with automatic ventilation process for safety purpose.

Flushing cycle sterilization system
can be supplied as optional order.

Air filtration cooling system
For the process of drying cycle, 0.2ttm HEPA filtered clean air flows into the chamber in order to protect air contamination and to cool down below 60°C.

Safe and Efficient water supply system
Automatic water supply mechanism which supplies a fixed volume of water to the chamber for maximum efficiency.

Automatic and manual door lock system
When the sliding handle is entered into the locking ring, the door automatically locks after two seconds. The door can be manually opened and locked using the locking wheel system.

Space saving compact design
Maximize working capacity with square chamber and minimize foot space with dedicated engineering design.

Safety Mechanism
- Over pressure release valve
- Over temperature protector with Thermostat
- Higher temp set protector by Digital high alarm limit
- Visible and Audible alarm system
- Automatic dual door locking system

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Efficient & Convenient space provided by the movable stand

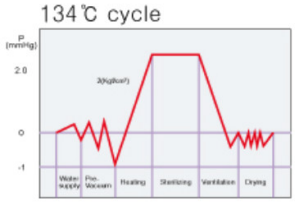
Automatic Door Locking System

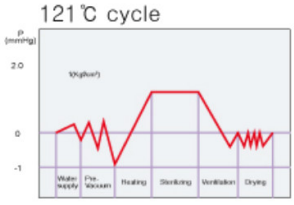
Microprocessor Control System

LCD Monitor Display

Status - Model and progress status
Time - Present time and process time
Mode - Set mode
Pressure - Present and process pressure
Temperature - Present and process temp
Water level - Present water level
Door - Open, close

Class B Sterilization cycle





Programmable Sterilization Cycles:

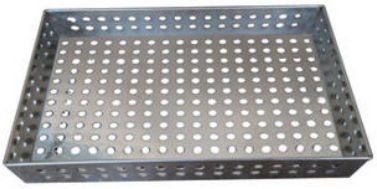
MODE	Temperature (°C)	Pressure (kgf/cm²)	Sterilizing time (min)	Drying Time (min)
Unwrapped-1	121	1,1	20	30
Unwrapped-2	134	2,1	5	30
Wrapped-1	121	1,1	30	30
Wrapped-2	134	2,1	15	30
Liquid	121	1,1	20	0
Bowie Dick	134	2,1	4	5 ~ 10
User Program	110 ~ 135	0,4 ~ 2,3	4 ~ 30	0 ~ 60

TECHNICAL SPECIFICATIONS

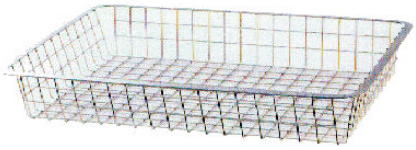
Cod.		ES-1011SV	ES-1021SV	ES-1031SV
Dimensions (WxDxH mm)	Inner	410x560x345	490x655x460	510x690x545
	Outer	200x300x200	270x405x230	300x455x300
Capacity		12L	25L	40L
Heater		2kW	2.5kW	3kW
Chamber Type		Reinforced and electro polished square chamber		
Material		Stainless Steel 304 standard (STS 361 L option)		
Door lock mechanism		Automatic wheel inter locking with one touch sliding handle		
Vacuum Pump		Built-in diaphragm vacuum pump 25 LPM capacity		
Controller		Microprocessor Program Controller with LCD Monitor		
Sterilization	Temp. Range	110ºC - 135ºC		
	Pressure Range	0.4-2.3 kgf/cm2		
	Course	Unwrapped 1&2/Wrapped 1&2 / Liquid / Bowie-Dick / User program mode		
Reservoir		6L stainless steel tank with top water filling inlet and silicon closer		
Safety		Over pressure release valve, Over temperature protector Visible and Audible alarm system, Automatic dual door locking system		
Tray		180x260mm	250x360mm	290x400mm
		Wire tray (Standard) / Perforated tray (Option)		
Electric Supply		110V,60Hz or 220V, 50/60Hz,1Phase		

Optional Accessories

Printer



Perforated Tray



Wire Tray

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