

## Class B Sterilization

Pre & Post Vacuum System



## Feature

### **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 remaining 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, 0.2 $\mu$ m 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 second. 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

# Bench Top / Square Chamber

### 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

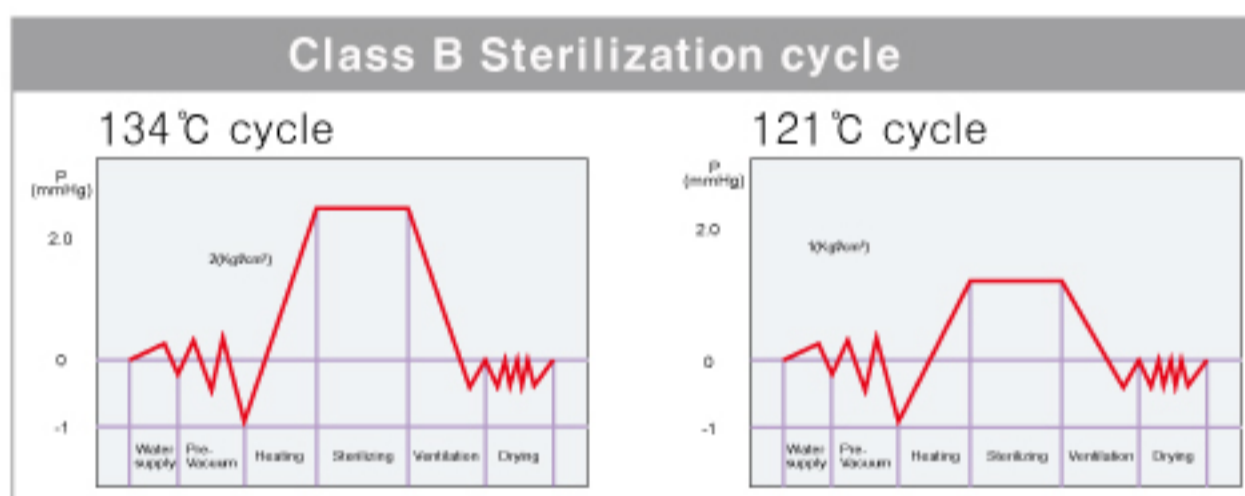
Automatic Door Locking System



Efficient & Convenient space provided by movable stand

### Programmed Sterilization Cycle

MODE	Temperature (°C)	Pressure (kgf / cm <sup>2</sup> )	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



### Optional Accessories



Printer




Perforated Tray



Wire Tray

MODEL		LAC-1011SV	LAC-1021SV	LAC-1031SV
Dimensions (WxDxHmm)	Outer	410 x 560 x 345	490 x 655 x 460	510 x 690 x 545
	Inner	200 x 300 x 200	270 x 405 x 230	300 x 455 x 300
Capacity		12ℓ	25ℓ	40ℓ
Heater		2kW	2.5kW	3kW
Chamber Type		Reinforced and electro polished square chamber		
Material		Stainless Steel 304 standard (STS 316 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 PID Program Controller with LCD Monitor		
Sterilization	Temp. Range	110°C ~ 135°C		
	Pressure Range	0.4 ~ 2.3 kgf/cm <sup>2</sup>		
	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		180 x 260 mm	250 x 360 mm	290 x 400 mm
		Wire tray (Standard) / Perforated tray (Option)		
Electric Supply		110V, 60Hz or 220V, 50/60Hz, 1Phase		

\* Flushing cycle sterilization system can be supplied as optional order

 Custom made order is available  
Specifications can be changed without prior notice for quality improvement.