

## Class B Sterilization

Pre & Post Vacuum System



### Feature

#### **Sterilization temperature 105°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 PID 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, 0.2mm 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

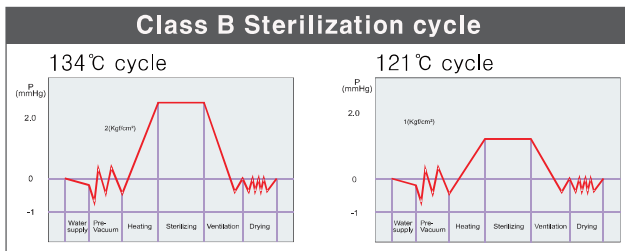
Automatic Door Locking System



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	15-20
Unwrapped 2	134	2.1	5	15-20
Wrapped 1	121	1.1	30	20-25
Wrapped 2	134	2.1	15	20-25
Liquid	121	1.1	20	0
Bowie Dick	134	2.1	4	5-10
Bowie Dick	105-135	0.2-2.3	5-90	0-90



### Optional Accessories



Printer




Perforated Tray



Wire Tray

MODEL		LAC-1011SV	LAC-1021SV	LAC-1031SV
Dimensions (WxDxHmm)	Outer	410 x 560 x 345	490 x 630 x 470	520 x 690 x 550
	Inner	200 x 300 x 200	270 x 405 x 230	300 x 455 x 300
Capacity		12ℓ	25ℓ	400ℓ
Heater		1.5kW	2.5kW	2.5kW
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	105°C - 135°C		
	Pressure Range	0.2 - 2.3 kgf/cm <sup>2</sup>		
	Course	Unwrapped 1&2 / Wrapped 1&2 / Liquid / Bowie-Dick & Vacuum test / User program mode		
Reservoir		6 liter 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.

## Class B Sterilization

Pre & Post Vacuum System



3031V Model



3011V / 3021V Model

### Feature

**Sterilization temperature 105°C to 135°C**

**EN-13060-2 class B sterilization cycle**

Pre vacuum—water filling—heating—sterilizing—ventilation—post vacuum drying—end cycle

**Microprocessor PID program controller with self auto-tuned and LED display**

3 pre-programmed (wrapped, unwrapped, liquid course) and 1 Bowie – dick test and 1 user manual mode.

**Full automatic operation system with working process cycle LED indicator**

Easy operation with full automatic cycle by micro processor, from beginning to end cycle.

**Pre vacuum and post vacuum Drying system**

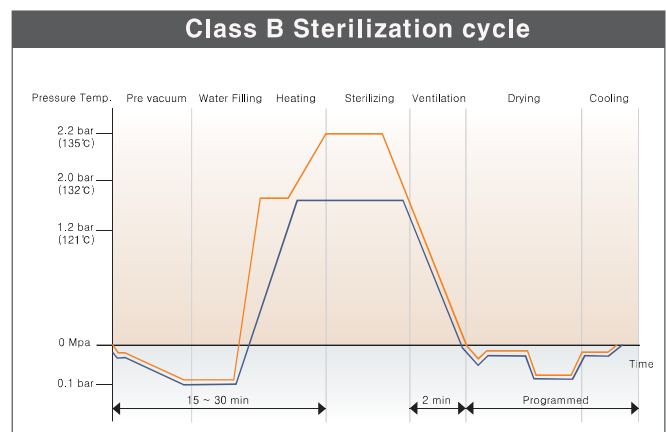
Pre-vacuum for effective air removal that results in increasing sterilization performance. Post-vacuum for drying with remaining steam removal.

**Self - diagnostic and mechanism**

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

### Air filtration cooling system

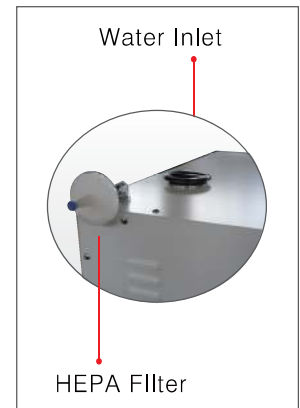
For the process of drying cycle, 0.2mm HEPA filtered clean air flows into the chamber in order to protect air contamination and to cool down below 60°C



Pre-programmed Table

Course	Temp	Time	Drying Time	
Wrapped	132	10	20	
Liquid	121	30	0	
Turbo	134	5	10	
B/D User	B/D Program	134	4	5
MENU	Program	105 - 135	5 - 90	0 - 90

# Bench Top / Round Chamber



MODEL		LAC-3011V	LAC-3021V	LAC-3031V
Dimensions (WxDxHmm)	Outer	480 x 720 x 400	530 x 780 x 420	650 x 820 x 500
	Inner	200 x 350	250 x 450	350 x 455
Capacity		11ℓ	22ℓ	44ℓ
Heater		1.5kW + (Dry 600 W)*	2.0kW + (Dry 600 W)*	3.0kW + (Dry 1 kW)*
Sterilization System		Built-in pre-vacuum air removal & post vacuum drying system		
Material	Exterior	Epoxy powder coated electro galvanized steel		
	Chamber	Stainless Steel (STS 316 L option)		
Sterilization Temperature		105.0°C ~ 135.0°C		
Dry System		Post vacuum to remove steam vapor / 0~ 60 min		
Vacuum/Pressure Gauge		-0.1 ~ 0.4Mpa (760mmHg ~ 4kgf/cm2)		
Controller		Microprocessor PID Controller		
Operation Cycle Mode		3 Programmed cycle, 1 Bowie - Dick test, 1 User menu		
Pre & Post Vacuum System		Diaphragm vacuum pump 25 LPM capacity		
Display		LED display (Temperature, Timer, Program cycle) 0~60 min (Sterilization & Dry time)		
Timer		0~60 min (Sterilization & Dry time)		
PC Communication		RS-232C interface (Option)		
Door		One touch hinged door / Door inter lock system		
Safety Device		Over pressure release safety valve, Over temperature / Over heating protector Door open sensing & power cut - off, Low water protection / Leakage & Over current circuit breaker		
Tray		175 x 330 mm	215 x 405 mm	305 x 435 mm
		Wire tray (Standard) / Perforated tray (Option)		
Electric supply		110V, 60Hz or 220V, 50/60Hz		

\* Separate heater ( ) for drying process

## Class N Sterilization Gravity Air Removal



3030G/2030E Model



3020G Model

### Feature

#### Sterilization temperature 1050C to 1350C

Water filling – heating – sterilizing – ventilation – natural drying – end cycle

#### Microprocessor PID program controller with self auto-tuned and LED display

3 pre-programmed (wrapped, unwrapped, liquid course) and 1 user pre-programmable and 1 user manual mode.

#### Full automatic operation system with working process cycle LED indicator

Easy operation with full automatic cycle by micro processor, 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

#### Flash Cycle Sterilization

Sterilization at 134° C during 5 minutes  
Rapid heat up, Quick Sterilization  
Maximum load efficient working volume

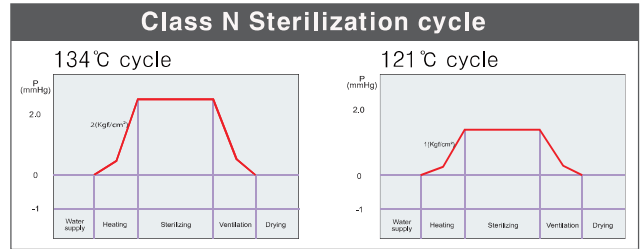


Square Chamber

MODEL	LAC-3012SE	LAC-3012SV
Class	N Sterilization	B Sterilization
Air Removal	Gravity	Vacuum Pump
Exterior	W 415 x H 345 x D 560 mm	
Interior	W 200 x H 200 x D 300 mm	
Capacity	12 liter square chamber	
Controller	Microprocessor PID Controller	



# Bench Top / Round Chamber



### Sterilization Cycle

Start – Water filling – Heat up – Sterilization – Ventilation – Natural drying – End



MODEL	LMS - 011	LMS - 021	LMS - 031
Capacity	for 11 ℓ	for 22 ℓ	for 44 ℓ
Material	Stainless steel 304		
MODEL	LMS - 010E	LMS - 020E	LMS - 030E
Capacity	for 11 ℓ	for 22 ℓ	for 44 ℓ
Material	EGL steel with epoxy powder coating		

Stand can be assembled and disassembled

### Optional Accessories

Instrument Tray

Perforated Tray

Wire Tray

MODEL		LAC-2010E	LAC-2020E	LAC-2030E
Controller		Microprocessor PID Manual Set Controller		
MODEL		LAC-3010G	LAC-3020G	LAC-3030G
Controller		Microprocessor 3 pre-programmed, 1 user programmable and 1 user manual set		
Dimensions (WxDxHmm)	Outer	480 x 720 x 400	530 x 780 x 420	650 x 820 x 500
	Inner	200 x 350	250 x 450	350 x 455
Capacity		11ℓ	22ℓ	44ℓ
Reservoir Capacity		5ℓ	5ℓ	7ℓ
Heater		1.5kW	2.0kW	3.0kW
Material	Exterior	Epoxy resin powder coated EGL steel		
	Chamber	Stainless Steel (STS 316 L option)		
Sterilization Temperature		105.0°C ~ 135.0°C		
Pressure Range		0.2 - 2.3 kgf/cm²		
Vacuum/Pressure Gauge		-0.1 ~ 0.4Mpa (760mmHg ~ 4kgf/cm2)		
Display		LED display (Temperature, Timer, Program cycle) LED Indicator (Water, Heat, Sterilization, Dry, End Cycle)		
Timer		0~60 min (Sterilization & Dry time)		
Door		One touch hinged door / Door inter lock system		
Safety Device		Over pressure release safety valve, Over temperature protector Leakage & Over current circuit breaker		
Stainless steel tray		175 x 330 mm	215 x 405 mm	305 x 435 mm
		Wire tray (Standard) / Perforated tray (Option)		
Electric supply		110V, 60Hz or 220V, 50/60Hz		

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

## Class B Sterilization Pre & Post Vacuum System



### Feature

#### Pre vacuum 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 PID program controller with self auto-tuned and LCD display

3 pre-programmed (wrapped, unwrapped, liquid course) and 1 user pre-programmable and 1 user manual mode.

#### Full automatic operation system with working process cycle LED indicator

Easy operation with full automatic cycle by microprocessor, from beginning to end cycle.

#### Sterilization temperature 105°C to 135°C EN-13060-2 class B sterilization cycle

Pre vacuum-water filling-heating-sterilizing-ventilation-post vacuum drying-end cycle

#### Self - diagnostic and safety system

Incase of any malfunction, it alarms and displays error codes for easy maintenance, being stop working with automatic ventilation process for safety

### Optional Accessories



Channel 1 : Temperature  
Channel 2 : Pressure  
Pressure Sensor : optional



Plain Basket



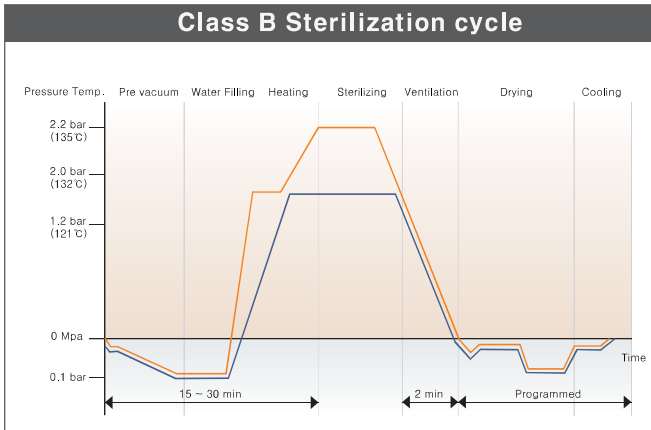
Wire Basket



Perforated Basket

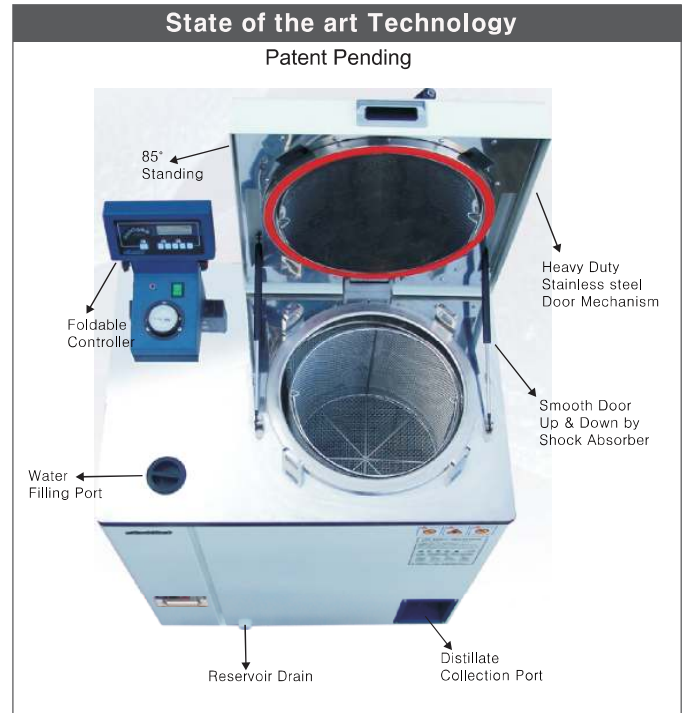
Ideal for Medical Waste Sterilization with SE Model

# Vertical Loading



### Pre-programmed Table

Course	Temp	Time	Drying Time
✂	132	10	20
🍷	121	30	0
🌀	134	5	10
B/D	134	4	5
User	Program	105 - 135	5 - 90
MENU	Program	105 - 135	0 - 90



MODEL	LAC-5045SP	LAC-5065SP	LAC-5085SP	LAC-5105SP
Sterilization Class B	Built - in pre-vacuum system & post vacuum drying system			
Dimensions (WxDxHmm)	Inner 770 x 560 x 900 Outer 350 x 420	770 x 560 x 1000 350 x 630	860 x 650 x 950 450 x 500	560 x 650 x 1100 450 x 630
Capacity	40ℓ	60ℓ	80ℓ	100ℓ
Reservoir Capacity	10ℓ	12ℓ	14ℓ	16ℓ
Material Exterior Chamber	Heavy-Duty Epoxy Resin Powder coated steel EGI steel Stainless Steel 304 (STS 316 L Option)			
Power Consumption	3 kW (+ Dry 1 kW)*	3 kW (+ Dry 1 kW)*	5 kW (+ Dry 1 kW)*	5 kW (+ Dry 1 kW)*
Sterilization Temperature	105.0°C ~ 140.0°C (Max)			
Pressure Range	0.2 - 2.3 kgf/cm <sup>2</sup>			
Dry System	Post vacuum to remove steam vapor / 0 ~ 60 min			
Vacuum/Pressure Gauge	-0.1 ~ 0,4Mpa (760mmHg ~ 4kgf/cm <sup>2</sup> )			
Controller	Microprocessor PID Program Controller with LCD Monitor			
Operation Cycle Mode	3 Programmed cycle, 1 User Program, 1 User menu			
Pre & Post Vacuum System	Diaphragm vacuum pump 50 LPM capacity			
Display	LCD monitor (Temperature, Timer, Program cycle) LED indicator (Water, Heat, Sterilization, Dry, End Cycle)			
Timer	0~90 min (Sterilization & Dry time)			
PC Communication	RS-232C interface(Optional)			
Door	Heavy Duty Hinged up & down door			
Safety Device	Over pressure release safety valve, Over heating and over temperature protector, Door open sensing & power cut - off, Low water prevention device, Leakage & Over current circuit breaker			
Standard Basket	2 ea of stainless steel wire basket included			
Electric supply	110V, 60Hz or 220V, 50/60Hz			

\* Separate heater ( ) for drying process

MODEL	LAC-5042SE	LAC-5062SE	LAC-5082SE	LAC-5102SE
Sterilization Class N	Without pre-vacuum & Without post vacuum drying system			

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



## Class N Sterilization

Gravity Air Removal



**LAC - 5040S / 5060S Model**  
Mechanical Swing Door



**LAC - 5080SD / 5100SD Model**  
Heavy-Duty Raise Door

## Feature

### Fully Automatic Sterilization Process

Push just one button to operate from start to finish

### Safe and Convenient Operation

Over temperature, pressure, current over leakage protection, automatic over pressure release valve ensure user safety

### Microprocessor PID Control and Display

Dual display for current and set temperature and time remaining, sterilization process signal lamp

### 5 Step Programmable Microprocessor Controller

Most frequent used set temperature and time for sterilization can be programmed by user's purpose  
Program controller models only

### Electric Components Room and Steam line is isolated for Safety

### Door Locking Limit Switch

can secure the Complete Door Closing for Safety

## Optional Accessories



Channel 1 : Temperature  
Channel 2 : Pressure  
Pressure Sensor : optional



Plain Basket



Wire Basket



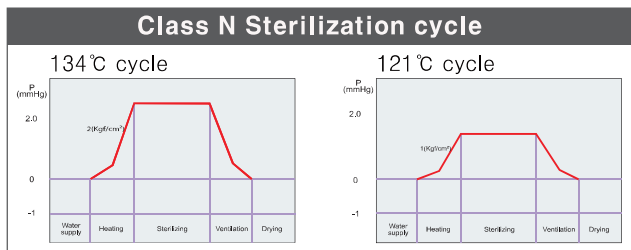
Perforated Basket

Ideal for Bottle, Vessels, Agar Medical waste sterilization

# Vertical Loading

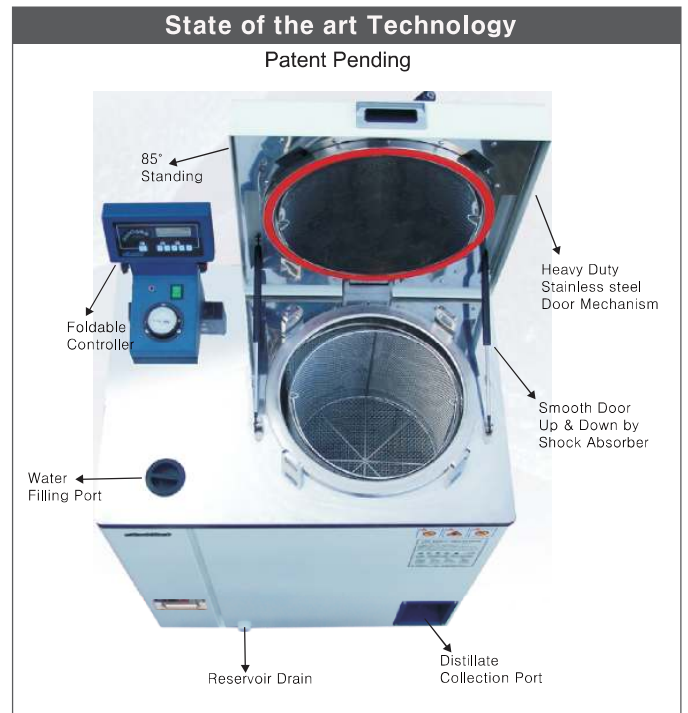


LAC – 5040S / 5060S Model



## Sterilization Cycle

Start – Water filling – Heat up – Sterilization – Ventilation – Natural drying – End



Model	LAC-5041P	LAC-5061P	LAC-5081SD	LAC-5101SD
Controller	Programmable Digital PID Controller			
Model	LAC-5040S	LAC-5060S	LAC-5080SD	LAC-5100SD
Controller	Microprocessor Manual Set Digital PID Controller			
Dimensions Inner (WxDxHmm)	670 x 560 x 950	670 x 560 x 1050	860 x 650 x 1000	860 x 650
Dimensions Outer	350 x 420	350 x 630	450 x 500	450 x 630
Capacity	40ℓ	60ℓ	80ℓ	100ℓ
Material Exterior Chamber	Heavy-Duty Epoxy Resin Powder coated steel EGI steel Stainless Steel 304 (STS 316 L Option)			
Heater	3 kW	3 kW	5 kW	5 kW
Temperature Range	105°C to 135°C			
Set Accuracy	± 0.1°C at 121°C			
Display	PV & SV Dual Digital Display Temperature, Time operation cycle indication			
Sterilization Timer	0 -90 min			
Working Pressure	2.0 kg/cm <sup>2</sup> at 132 °C			
Pressure Gauge	0 - 4 kg/cm <sup>2</sup>			
Door Packing	Mechanical Swing Door		Heavy-Duty Raise Door	
Safety	Over temp. Over pressure and Over current Protector, safety release valve)			
Basket	2 EA of stainless steel wire basket included			
Electric Supply	110V, 60Hz or 220V, 50/60Hz			

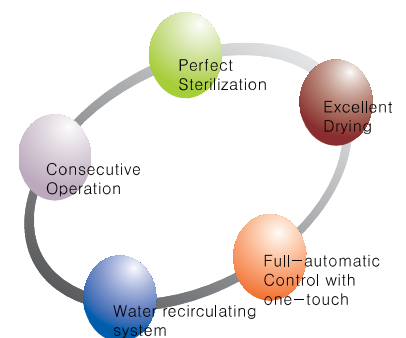
Optional Basket	40 Liter	60 Liter	80 Liter	100 Liter
Perforated Basket	BS - 40PF	BS - 60PF	BS - 80PF	BS - 100PF
Plain Basket	BS - 40PL	BS - 60PL	BS - 80PL	BS - 100PL

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

## Class B Sterilization Pre & Post Vacuum System



Safe, Efficient,  
Perfect Sterilization



## Feature

### Sterilization temperature 105°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.

#### Full automatic operation system with Microprocessor PID program controller

Easy operation with full automatic process cycle operated by microprocessor controller from pre —programmed process 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.

#### Air filtration cooling system

For the process of drying cycle, 0.2mm HEPA filtered clean air flows into the chamber in order to protect air contamination and to cool down below 60°C

#### Built-in steam generator and water reservoir

Water re—circulation system reduces the total sterilizing water consumption and pre heated double jacket chamber stand—by for quick operation

#### Automatic door locking system

Door can be easily sliding up and down to open or close by counter balanced weighing mechanism  
Simply press start key to operate, door will be automatically locked and unlocked by mechanical can lock system  
During operation cycle, door can not be opened

#### 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

### Microprocessor Control System

LCD Monitor Display

- Status : Present time and process time
- Mode : Set mode
- Pressure : Present and process pressure
- Temp. : Present and process temperature
- Dry : Present and process dry time
- Water Level : Present water level
- Door : Open, close
- Error Message

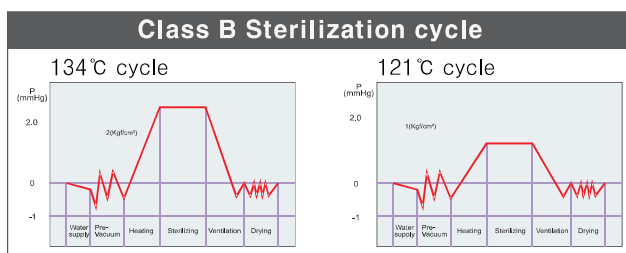
### Optional

Printer

### Programmed Sterilization Cycle

MODE	Temperature (°C)	Pressure (kgf / cm <sup>2</sup> )	Sterilizing Time (min)	Drying Time (min)
Unwrapped 1	121	1.1	20	15-20
Unwrapped 2	134	2.1	5	15-20
Wrapped 1	121	1.1	30	20-25
Wrapped 2	134	2.1	15	20-25
Liquid	121	1.1	20	0
Bowie Dick	134	2.1	4	5-10
Bowie Dick	105-135	0.2-2.3	5-90	0-90

Double Jacketed square chamber structure  
Made of high quality stainless steel  
Built – in a separate steam generator



MODEL		LAC - 6065 SP	LAC-6105 SP
Dimensions (WxDxHmm)	Outer	525 x 725 x 1255	525 x 925 x 1255
	Inner	338 x 500 x 378	338 x 705 x 378
Chamber Capacity	Capacity	63 ℓ	90 ℓ
	Type	Double Jacketed Square chamber	
	Material	Stainless Steel 304, (STS 316 L Option)	
Steam Generator	Built in separate Stainless Steel Boiler 5.5 KW water reservoir		
Stainless Steel Tray	W 294 x D 475 mm		W 294 x D 675 mm
Sterilization	Temp. Range	105°C - 135°C (max)	
	Pressure Range	0.2 - 2.3 Kgf/cm <sup>2</sup>	
	Course	Liquid / Unwrapped 1 & 2 / wrapped 1 & 2 / B/D test & Vacuum Test / User Program	
Vacuum	Pre-vacuum with water ejector vacuum pump system		
Controller	Microprocessor PID Program Controller with LCD Monitor LCD monitor for Temperature, Pressure, Timer, Program cycle,		
Door	Manual vertical sliding door, Automatic Door Locking System		
Safety	Over pressure release valve, Over temperature protector, Higher temp set protector		
Printer	Optional Thermal Printer		
Electric Supply	110V, 60Hz or 220V, 50/60Hz		

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

## Class B Sterilization

Safe, Efficient,  
Perfect Sterilization



Design A



Design B



## Feature

### **Sterilization temperature 105°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.

### **Full automatic operation system with Microprocessor PID program controller**

Easy operation with full automatic process cycle operated by microprocessor controller from pre — programmed process 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.

### **Air filtration cooling system**

For the process of drying cycle, 0.2mm HEPA filtered clean air flows into the chamber in order to protect air contamination and to cool down below 60°C

### **Built-in steam generator and water reservoir**

Water re—circulation system reduces the total sterilizing water consumption and pre heated double jacket chamber stand—by for quick operation

### **Automatic door locking system**

Door can be easily sliding up and down to open or close by counter balanced weighing mechanism  
Simply press start key to operate, door will be automatically locked and unlocked by mechanical can lock system  
During operation cycle, door can not be opened


### **Safety Mechanism**

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



# Front Loading / Auto Door

### Microprocessor Control System



LCD Monitor Display

- Status : Present time and process time
- Mode : Set mode
- Pressure : Present and process pressure
- Temp. : Present and process temperature
- Dry : Present and process dry time
- Water Level : Present water level
- Door : Open, close
- Error Message

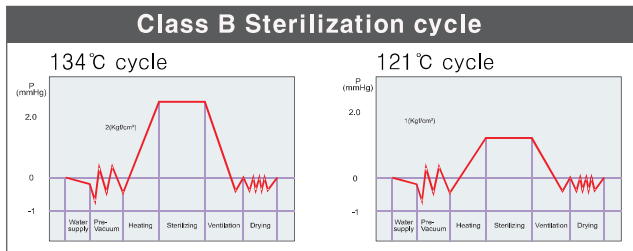
### Door Gasket



Specialized sealing technology with Heavy-duty hollow gasket by vacuum aspiration and pressure expansion for perfected sterilization

### Programmed Sterilization Cycle

MODE	Temperature (°C)	Pressure (kgf / cm <sup>2</sup> )	Sterilizing Time (min)	Drying Time (min)
Unwrapped 1	121	1.1	20	15-20
Unwrapped 2	134	2.1	5	15-20
Wrapped 1	121	1.1	30	20-25
Wrapped 2	134	2.1	15	20-25
Liquid	121	1.1	20	0
Bowie Dick	134	2.1	4	5-10
Bowie Dick	105-135	0.2-2.3	5-90	0-90




### Single Door

Double Jacketed square chamber structure  
Made of high quality stainless steel  
Built - in a separate steam generator

MODEL		LAC-6205 SP	LAC-6305 SP
Dimensions (W x D x H mm)	Outer	700 x 1140 x 1745	800 x 1240 x 1845
	Square Part	400 x 110 x 400	500 x 110 x 500
	Round Part	I.D $\phi$ 500 x D 970 mm	I.D $\phi$ 600 x D 1020 mm
Chamber Capacity	Capacity	200 ℓ	300 ℓ
	Type	Double Jacketed Square / Round Chamber	
	Material	Stainless Steel 304 (STS 316 L Option)	
Steam Generator	Built-In	30 ℓ Boiler / 12kW Heater	45 ℓ Boiler / 18kW Heater
Stainless Steel Tray		300 x 960 / 250 x 960 mm	480 x 980 / 340 x 980 mm
Sterilization	Temp. Range	105°C - 135°C (max)	
	Pressure Range	0.2 - 2.3 Kgf/cm <sup>2</sup>	
	Course	Liquid / Unwrapped 1 & 2 / wrapped 1 & 2 / B/D test & Vacuum Test / User Program	
Vacuum		Pre-vacuum with water ejector vacuum pump system	
Controller		7 Programmed with Digital PID Controller	
Display		LCD monitor for Temperature, Pressure, Timer, Program cycle,	
Door		Manual / Auto vertical sliding door, Automatic Door Locking System	
Printer		Built - in Thermal Printer	
Electric Supply		380V, 50/60Hz 3Ph, 4 Line	

MODEL	LAC-6206 ES	LAC-6306 ES
Steam Supply	External steam supplied models without steam generator	

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

# Large Steam Sterilizer

## Class B Sterilization

Safe, Efficient,  
Perfect Sterilization



## Feature

### **Sterilization temperature 105 °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.

### **Full automatic operation system with Microprocessor PID program controller**

Easy operation with full automatic process cycle operated by microprocessor controller from pre — programmed process 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.

### **Air filtration cooling system**

For the process of drying cycle, 0.2mm HEPA filtered clean air flows into the chamber in order to protect air contamination and to cool down below 60 °C

### **Built-in steam generator and water reservoir**

Water re—circulation system reduces the total sterilizing water consumption and pre heated double jacket chamber stand—by for quick operation

### **Automatic door locking system**

Door can be easily sliding up and down to open or close by counter balanced weighing mechanism. Simply press start key to operate, door will be automatically locked and unlocked by mechanical can lock system. During operation cycle, door can not be opened

### **Safety Mechanism**

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

# Front Loading / Auto Door

## Microprocessor Control System



- LCD Monitor Display
- Status : Present time and process time
  - Mode : Set mode
  - Pressure : Present and process pressure
  - Temp. : Present and process temperature
  - Dry : Present and process dry time
  - Water Level : Present water level
  - Door : Open, close
  - Error Message

## Door Gasket

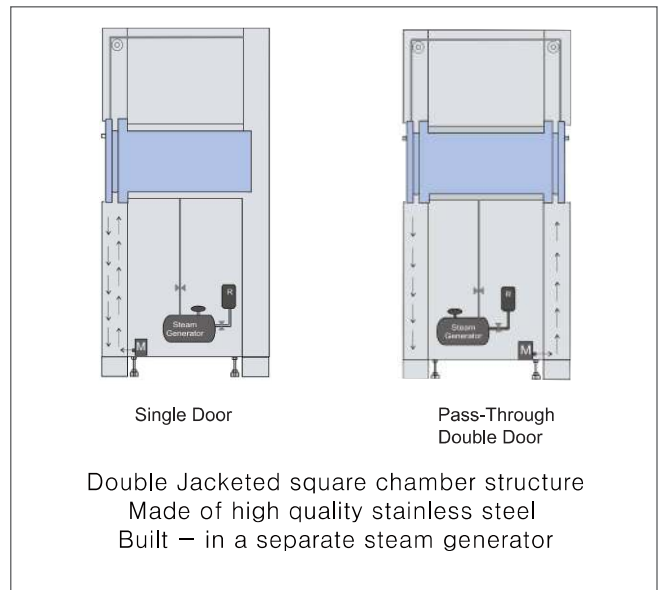
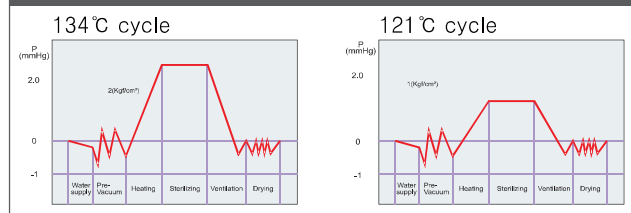


Specialized sealing technology with Heavy-duty hollow gasket by vacuum aspiration and pressure expansion for perfected sterilization

## Programmed Sterilization Cycle

MODE	Temperature (°C)	Pressure (kgf / cm <sup>2</sup> )	Sterilizing Time (min)	Drying Time (min)
Unwrapped 1	121	1.1	20	15-20
Unwrapped 2	134	2.1	5	15-20
Wrapped 1	121	1.1	30	20-25
Wrapped 2	134	2.1	15	20-25
Liquid	121	1.1	20	0
Bowie Dick	134	2.1	4	5-10
Bowie Dick	105-135	0.2-2.3	5-90	0-90

## Class B Sterilization cycle

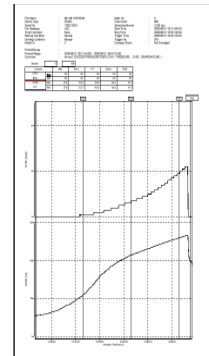


MODEL		LAC-7305 SP	LAC-7505 SP
Dimensions (W x D x H mm)	Outer	1100 x 1240 x 1800	1200 x 1340 x 1800
	Square Part	500 x 110 x 500	600 x 110 x 600
	Round Part	I.D φ 600 x D 1020 mm	I.D φ 700 x D 1220 mm
Chamber	Capacity	300 ℓ	500 ℓ
	Type	Double Jacketed Square / Round Chamber	
	Material	Stainless Steel 304 (STS 316 L Option)	
Steam Generator	Built-In	45 ℓ Boiler / 18kW Heater	60 ℓ Boiler / 24kW Heater
Stainless Steel Tray		480 x 980 / 340 x 980 mm	580 x 1180 / 440 x 1180 mm
Sterilization	Temp. Range	105°C - 135°C (max)	
	Pressure Range	0.2 - 2.3 Kg/cm <sup>2</sup>	
	Course	Liquid / Unwrapped 1 & 2 / wrapped 1 & 2 / B/D test & Vacuum Test / User Program	
Vacuum		Pre-vacuum with water ejector vacuum pump system	
Controller		7 Programmed with Digital PID Controller	
Display		LCD monitor for Temperature, Pressure, Timer, Program cycle,	
Door		Single door / Auto vertical sliding door, Automatic Door Locking System	
Printer		Built - in Thermal Printer	
Electric Supply		380V, 50/60Hz 3Ph, 4 Line	

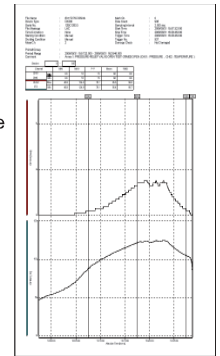
MODEL	LAC-7307 DSP	LAC-7507 DSP
Door / steam system	Pass-Through Front & Rear Double Doors / Built - in steam generator	
MODEL	LAC-7306 ES	LAC-7506 ES
Steam supply system	External steam supplied models / without steam generator	

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

## IQ. OQ. PQ Validation & Documentation



Working and Maximum Temperature and Pressure Test Chart



Validation Certificate

We provide you with the IQ, OQ, PQ validation and documentation complied GMP and FDA requirements. The manufacturer's test report and certificate will be provided in accordance with the safety regulations of the government's approval.

## Sterilization Assurance Products



Sterilizer Drum Basket

### Load Control



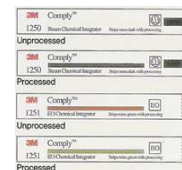
Biological Indicator

### Equipment Control



Bowie-Dick Vacuum Test

### Pack Control



Steam Chemical Indicator



Wire Mesh Tray

MODEL	DIMENSIONS
LWT-0010	W 173 x D 329 x H 30 mm
LWT-0020	W 215 x D 400 x H 30 mm
LWT-0030	W 305 x D 430 x H 30 mm
Material	Stainless Steel



Perforated Tray

MODEL	DIMENSIONS
LPT-0011	W 173 x D 329 x H 30 mm
LPT-0021	W 215 x D 400 x H 30 mm
LPT-0031	W 305 x D 430 x H 30 mm
Material	Stainless Steel



Instrument Tray

MODEL	DIMENSIONS
LTY-6101	W 300 x D 250 x H 50mm
LTY-6102	W 350 x D 300 x H 50mm
LTY-6103	W 400 x D 300 x H 50mm
LTY-6104	W 450 x D 350 x H 50mm
Material	Seamless Stainless Steel



External Loading Trolley

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

# Hot Air / UV Sterilizer



UV / Hot Air Sterilizer

MODEL	LUV-031S	LUV-061S	LUV-101S
Controller	Digital PID Controller with timer		
Chamber	35 ℓ	56 ℓ	100 ℓ
UV Lamp	10 W	15 W	30 W
Temperature	Ambient + 5°C to 120°C		



Hot Air Sterilizer

MODEL	LDO-030S	LDO-060S	LDO-100S
Controller	Digital PID Controller with Timer		
Chamber	35 ℓ	56 ℓ	100 ℓ
Temp. Range	Ambient + 5°C to 250°C		

MODEL	LDO-030SN	LDO-060SN	LDO-100SN
Door	Viewing with tempered safety glass		



UV Sterilizer

MODEL	LUV-100S	LUV-150S	LUV-205S
Controller	Digital PID Controller with Timer		
Controller	Digital PID program controller with timer		
Chamber	100 ℓ	175 ℓ	285 ℓ
Temp. Range	Ambient +5°C to 50°C		
UV Lamp	15 W	30 W	45 W
Electric supply	110V or 220V 50/60Hz		




Air Sterilized Purifier

MODEL	LSP - 1007 (+ Color)
Dimension	W 420 x H 230 x D 630 mm
Consumption Current	Max.0.28A
Electric Supply	110V or 220V 50/60Hz

## Compact Filtration and UV Sterilization

- \* Photocatalyst Filter with LED UV lamps
- \* Pre Filter
- \* Anti Bacterial Filter
- \* HEPA Filter
- \* LTC Carbon Absorption Filter

 Custom made order is available  
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