Steam Sterilizer

LabTech
Manufacturer of Lab.Ind. & Med.Equipments

Gravity A ir Removal

LAC - 5040S / 5060S Model
Mechanical Swing Door

LAC - 5080SD / 5100SDModel
Heavy-Duty Raise Door

Ideal for Bottle, Vessels, Agar Medical waste sterilization

* Ideal for Liquid and culture Media, Vessel, Fermentors
* Microprocessor Controlled Fully Automatic
   Sterilizing Operation
* Complete Safety Pressure Mechanism
* Water level sensor with signal lamp
* Electric Components Room and Steam line is isolated
   for Safety
* Simple and Sturdy Design with Safety Mechanism
* Sterilization Temperature up to 134°C
* PID Digital Controller with LED Display (S model)
* 5 Step Program Controller with LCD
   Display (P model)
* Door Locking Limit Switch can secure the Complete
   Door Closing for Safety

Fully Automatic Sterilization Process
Push just one button to operate from start to finish
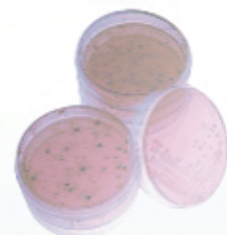
Safe and Convenient Operation
Over temperature, pressure, current over leakage
protection, automatic over pressure release valve
ensure user safety

Microprocessor PID Control and Display
Dual display for current and set temperature and time
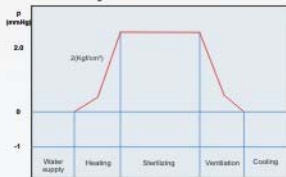remaining, sterilization process signal lamp

5 Step Programmable Microprocessor Controller
Most frequent used set temperature and time for sterili-
zation can be programmed by user's purpose
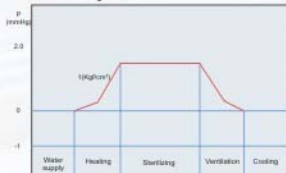Program controller models only

Class N Sterilization

134°C cycle

P
[mmHg]

2.0

2(Kgf/cm²)

0

-1

Water supply | Heating | Sterilizing | Ventilation | Cooling

121°C cycle

P
[mmHg]

2.0

1(Kgf/cm²)

0

-1

Water supply | Heating | Sterilizing | Ventilation | Cooling

Sterilization Cycle

Start - Heat up - Sterilization -
Ventilation - Natural Cooling - End

Door Locking
Safety Switch

LAC - 5040S / 5060S Model

85°
Standing

Heavy Duty
Stainless steel
Door Mechanism

Foldable
Controller

Smooth Door
Up & Down by
Shock Absorber

LAC - 5080SD / 5100SD Model

Wire Basket

Perforated Basket

Plain Basket

Optional Recorder

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

Specification

Model	LAC-5041P	LAC-5061P	LAC-5081SD	LAC-5101SD
Controller	Programmable Digital PID Controller			
Model	**LAC-5040S**	**LAC-5060S**	**LAC-5080SD**	**LAC-5100SD**
Controller	Manual Set Digital PID Controller			
Dimensions Exterior	W 670 x D 560 x H 950mm	W 670 x D 560 x H 1050mm	W 860 x D 650 x H 1000mm	W 860 x D 650 x H 1150mm
Chamber	φ 350 x 420 (H)	φ 350 x 630 (H)	φ 450 x 500 (H)	φ 450 x 630 (H)
Capacity	40 Liters	60 Liters	80 Liters	100 Liters
Material Exterior	Heavy-duty Epoxy Resin Powder coated EGI steel			
Chamber	Stainless Steel 304 (STS 316 L Option)			
Power Consumption	3 KW	3 KW	5 KW	5 KW
Temperature Range	105°C to 135°C			
Accuracy	± 0.5°C at 121°C			
Display	PV & SV Dual Digital Display Temperature, Time operation cycle indication			
Controller	Microprocessor PID Multi-Function Controller			
Sterilization Timer	0 -90 min			
Working Pressure	2.0 kg/cm² at 132°C			
Gauge	0 - 4 kg/cm²			
Door Packing	Mechanical Swing Door Handle Type			
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

▶▶ *Specification can be changed without prior notice for quality improvement for compliance*