

Autoclave - Fully Automatic

PHARMA / FOOD / WATER

MICRO LABS / BIOTECH

R & D / DRUG DISCOVERY

MODEL : 518060 / 518110



► Features

- **Dia of Sterilization Chamber :** The heavy-gauge sterilization chamber in a diameter of 40cm offers a massive space to satisfy various sterilization requirements.
- **Microcomputer Control System :** “Inspiration” fast speed Microcomputer intelligent control system is highly robust to not only realize the total-process controls of sterilization, but also enable convenient maintenance, inquiry, calibration ,recording and upward scalability in the future. It allows three tiers of administrations, i.e. user, user administrator and engineer, to guarantee satisfactory use and management of autoclave.
- **Waste Sterilization Mode :** dedicated waste sterilization procedures are established for effective sterilization of lab wastes.
- **Drying Function :** Thoroughly drying according to CE standards
- **Cooling Lock Open Temperature :** Each procedure can set different cooling lock open temperatures according to the thermal inertia of the sterilization object so as to prevent the user from opening the cover and hence getting burnt when the sterilization object (particularly liquid object) is still in an unsafe state.
- **Sterilization Temperature :** 105°C -138°C

► Function

- **Mechanical Interlocking :** The unique “eight-column evenly distributed” interlocking device is safer and more reliable than common interlocking devices.
- **Electric Double Inner Locks :** Enable the control system to monitor the temperature and pressure in the sterilization chamber on areal-time basis and disable opening of the sterilization chamber cover until the safe temperature and pressure are reached, hence guaranteeing the personal safety of the operator.
- **Six Preset Procedures :** Six sterilization procedures and warming procedures are preset for the sterilizing, warming and drying of solids and liquids, the melting and warming of agars.
- **Agar processing :** It can heat and melt down and preserve heat of agars or preheat the sterilization chamber.
- **Timed startup :** It is possible to preset a time program so that the autoclave can be automatically started for sterilization according to the preset schedule.

- **Memory system :** The operator can set the sterilization parameters and create as many as 60 procedures that can be readily used.
- **Steam discharge control :** Upon completion of sterilization procedure, the vent valve can automatically open to discharge steams at the preset temperature.
- **Calibration interface :** Temperature and pressure calibration interfaces are available for calibration purpose.
- **Automatic water feeding :** Exempt the convenience of frequent water feeding; water level sensors are installed to automatically stop the autoclave and give out alarms when water is running out.
- **Saturated Steam Monitoring :** The system can automatically monitor the discharge conditions of cold air so as to guarantee a sterilizing environment of pure steams and optimal sterilization effects.

► **Specifications :**

Model No.	518060	518110
Capacity	60 Litres	110 Litres
Dimensions (L x W x H) in mm	660 x 644 x 980	660 x 644 x 1180
Sterilization Chamber Dimension (Dia X H) in mm	Φ 400 × 505	Φ 400 × 895
Working Environment	5°C ~ 40°C Relative Humidity 10% to 85%	
Sterilization Chamber Material	SUS 304	
Sterilization Temperature	105°C ~ 138°C	
Preset Range of Sterilization Time	1 to 300 Minutes	
Preset Range of Melting Temperature	60°C to 100°C	
Preset Range of Melting Time	1 to 300 Minutes	
Preset Range of Warming Temperature	45°C to 60°C	
Preset Range of Warming Time	1 to 9999 Minutes	
Preset Range of Drying time	1 to 300 Minutes	
Preset Range of Cooling Lock Open Temperature	40°C to 99°C for Solid and Agar Modes and 40°C to 80°C for Liquid and Waste Modes	
Preset Range of Steam Exhausting Temperature	73°C to 104°C	
Exhausting Mode	Fully Automatic Internal Discharging embedded with a Steam trapping bottle	
Preset Range of Timer	0 Minutes - 6 days Delayed	
Range of Pressure Guage	0 to 0.6Mpa	
Rated Working Pressure	0.27Mpa	
Controller	"Inspiration" Fast-Speed Microcomputer Intelligent Control System	
Rated Power Supply	220V 50Hz/60Hz	
Rated Power	2900W	4600W
Safety Device	"Eight Column Evenly Distributed" Interlocking Device, Electric Double Inner Locks, Dry Scorch Protection, Over Pressure Protection, Safety Valve, Over Temperature Protection, Over current and Short Circuit Protection, Leakage Protection, Cooling Lock, Anti-scald Chamber Cover and Bench, Automatic Trouble Shooting	
Accessories	Stainless Steel Basket	
Optional Accessories	Printer, Cooling Fan, Load Thermometer	

► **Ordering Information :**

Model No.	Description
518060	Autoclave - Fully Automatic 60 Liters with Stainless Steel Bucket
518110	Autoclave - Fully Automatic 110 Liters with Stainless Steel Bucket