

## How It Works

Only a solidly and sturdily designed chamber and lid can keep the high pressure safely. When the temperature goes up and the chamber limits its space, only the pressure will go stronger. This process makes higher than 110 °C of steam in the chamber.

## The Purpose of Use

Not all living organisms badly suffer from 110 °C of heat. Some living organisms are able to resist heat due to their structural protein walls. However, any micro-organism cannot survive from over 121 °C of steam. Therefore, the design purpose of Autoclave is to ensure a sterile environment in each field of life and science.

## The Field of Use

Bio and life science laboratory, medical institution, food production industry, veterinary industry, and etc.

# Autoclave



**SJ-AD**  
60/80/100



SJ- AD series shows how we hear users and be willing to meet their needs. 5 memory slots allow handling the busy routine of laboratory life simply. Also, the lever-type door lock method guarantees an easy, simple, but safe operation.

### Convenient & Safe

5 different kinds of cycles can be pre-set and temperature and pressure interlock safety

### Fully Automatic Process

Water Supply > Heating > Exhaust Residual Air > Sterilization > Steam Vent > Complete

### Long Term Use

The heart of the autoclave (chamber & heater) is well protected and prepared for low maintenance (CE PED / Automatic Water supply / Stainless Steel 304)

### Up and Down Top Lid

Up and down lid operation eliminates the space limitation around the product

## Safety Device

1. Over-temp Prevention
2. Over-pressure Prevention
3. Manual Steam Valve
4. Steam Cooling Discharge Method
5. Circuit Breaker
6. Water Level Sensor
7. Door Interlock (Temp & Pressure)
8. Lid Lock Sensor



# SJ-AD series Specifications



For product improvement, the specification below is subject to change without prior notice. Please, contact us for the specification consultant.

Spec / Model		SJ-AD60	SJ-AD80	SJ-AD100
Type		Fully Automatic Type		
Chamber Type		Round Vertical Type		
Capacity		62ℓ	81ℓ	106ℓ
In Size (ØxH)m/m		350x650	400x650	400x850
Dimension (WxDxH)m/m		600x675x1,100 (About)	600x675x1,100 (About)	600x675x1,250 (About)
Heater Capacity		3kw	4kw	4kw
Temp.	Range	Ambient to 135°C		
	Controller	LCD & LED Microprocessor Programmable Control		
	Sensor	Pt-100Ω (Exclusively for Sterilizing, Auto Tuning)		
Time Range		99Hours 59min Digital Display		
Accuracy		±0.5°C		
Material	IN	Stainless Steel 304		
	OUT	SS41 Steel Plate and Powder Coating		
Door System		One Touch Lever Type (Hook Type)		
Basket		Stainless Steel (#304) Manufactured for Sterilizing / 2ea		
Pressure Range		0~3kg/cm <sup>2</sup>		
Using Pressure		0~2kg/cm <sup>2</sup>		
Wheel		Retractable Leveling Caster		
Electronic Power		AC 220V, 50-60Hz Single-Phase		
Safety Device		Water Level Sensor / Safety Door Interlock / Door Lock Detection / Over-Pressure Prevention / Manual Steam Valve / Over-Heat Prevention / Open temp. Sensor Detection / Safety Valve / Steam Cooling Discharge Method / Buzzer Alarm / etc.		

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