

고압증기멸균기

AUTOCLAVE



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 for Retort



SJ-RT
45/60/80/100



In the food production industry, Retort stands for the food that has been sterilized at a temperature of 120°C or higher and sealed in a specially processed container. SJ-RT provides the retort sterilization process to prevent damage and deformation to the container.

Automatic Retort Sterilization

Water Supply > Heating > Exhaust Residual Air > Pressured Sterilization > Cool Down > Steam Vent > Complete

Smart Pressure Control

The systematic pressure control allows the safe retort sterilization

Long Term Use

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

P.I.D Control & Auto-Tuning

Precise temperature control by P.I.D and smart work efficiency with auto-tuning function

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



Controller



Thermostat



Pressure Gauge_1



Pressure Gauge_2



Water In & Outlet



Steam Outlet



Basket & Heater Cover



Power Cables

SJ-RT 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-RT45	SJ-RT60	SJ-RT80	SJ-RT100
Type		Fully Automatic Type			
Chamber Type		Round Vertical Type			
Capacity		45ℓ	62ℓ	81ℓ	103ℓ
In Size (ØxH)m/m		300x650	350x650	400x650	450x650
Dimension (WxDxH)m/m		850x610x1,100 (About)	850x610x1,100 (About)	925x690x1,160 (About)	925x690x1,160 (About)
Heater Capacity		2kw	3kw	4kw	4kw
Temp.	Range	121℃			
	Controller	FND & LED Microprocessor Programmable Control			
	Sensor	Pt-100Ω (Exclusively for Sterilizing, Auto Tuning)			
Time Range		99Hours 59min Digital Display			
Accuracy		±0.5℃			
Material	IN	Stainless Steel 304			
	OUT	SS41 Steel Plate and Powder Coating			
Door System		One Handle Type (Single Screw Door)			
Basket		Stainless Steel (#304) Manufactured for Sterilizing / 2ea			
Using Pressure		2kg/cm ²			
Wheel		Retractable Leveling Caster			
Electronic Power		AC 220V, 50-60Hz Single-Phase			
Safety Device		Safety Pressure Valve / Over Temp. Protection / Over Pressure Protection / Manual Steam Valve / Steam Cooling Discharge Method / Circuit Breaker / Water Level Sensor / Buzzer Alarm / etc.			