

Autoclaves (vertical type)

Microprocessor control with reliable safety functions guarantees optimum sterilization temperature.



ST-65G

- Included Accessories**
- Baskets(2ea), Heater Cover, Exhaust Tank, Drain Bucket
- Optional Accessories**
- Pressure Sensor, Recorder

Features

- Microprocessor controller and temperature calibration function allows for high precision temperature control.
 - Sterilization temperature at 110 to 123°C
 - Melting* temperature at 60 to 100°C
 - * liquefaction of coagulated agar media.
- Automatic sterilization system for unattended operation.
 - Heating > Check Safe > Sterilization > Sterilization Safe > Exhausting > End
- Convenient operation modes for various uses.
 - Standard modes and program modes are listed in detail as below tables.
- Conveniently monitored by an independent control display, sterilization process display, and pressure gauge.
 - VFD for visualization of temp, pressure (optional), timer, warning alert checks.
 - LED lamps for sterilization process check.
 - Easy pressure check with the standard gauge attached to the front.
- Temperature calibration function.

Standard Modes	Temp. (°C)	Time (min)
Decontamination	121	35
Solids Sterilization	121	20
Liquids Sterilization	121	15
Melting	100	30

Program Modes	Temp. (°C)	Time (min)
Sterilization 1	110 to 123	1 to 999
Sterilization 2	110 to 123	1 to 999
Liquid Sterilization	110 to 123	1 to 999
Melting	60 to 100	1 to 999

Safety Features

- Mechanical Safety Devices
 - Over current protection.
 - Over temperature protection by automatic power cutoff.
 - Over pressure protection by automatic and manual safety valve.
- Safety Warning Systems
 - Over temperature warning, Low temperature warning.
 - Low heat warning if the temperature does not reach the sterilization or melting temperature.
 - Sterilization fail warning if the operation is unexpectedly stopped during sterilization process.

Constructional Features

- Vertical type autoclaves which allow for top loading are suitable for high volume sterilization.
 - Baskets are stackable two high or even more levels, which secure inside the chamber space requirements.
- Slide opening door with plastic cover of low thermal conductivity prevents burns from the contact.
- Low-maintenance
 - The chamber is constructed of stainless steel which is superiorly resistant to corrosion.
 - Easy to replace silicone gasket.
- Convenient documentation with the optional data recorder.
 - Thermal line type recorder(2 channels) allows for precise documentation.

Specifications & Ordering Information

Model		ST-50G	ST-65G	ST-85G
Control		Microprocessor PID Control		
Chamber Volume (L / cu ft)		50 / 1.8	65 / 2.3	85 / 3.0
Temperature ¹⁾	Sterilization Temp. (°C / °F)	110 to 123 / 198 to 221.4		
	Melting Temp. (°C / °F)	60 to 100 / 108 to 180		
Safety		Over Temperature Protector / Pressure Safety Valve / Over Current Protector		
		Warning Alert (Over Temp. / Low Temp. / Low Heat / Sterilization Fail)		
Timer		0 to 999 min		
Programs		Standard modes (Decontamination, Solids Sterilization, Liquids Sterilization, Melting)		
		Program modes (Sterilization 1, Sterilization 2, Liquid Sterilization, Melting)		
Dimension	No. of Baskets (Standard / Max.)	2 / 2	2 / 2	2 / 2
	Load per Baskets (Kg / lbs)	10 / 22.0		
	Basket (ØxH) (mm / inch)	380x180 / 14.9x7.1	380x230 / 14.9x9.1	380x330 / 14.9x13.0
	Interior (WxH) (mm / inch)	400x458 / 15.7x18.0	400x558 / 15.7x21.9	400x758 / 15.7x29.8
	Exterior ²⁾ (WxDxH) (mm / inch)	624x672x870 / 24.6x26.5x34.2	624x672x971 / 24.6x26.5x38.2	624x672x1083 / 24.6x26.5x42.6
	Net Weight (Kg / lbs)	94.5 / 208.3	99.5 / 219.4	104 / 229.3
Electrical Requirements (230V, 50 / 60 Hz)		14.3A	14.3A	14.3A
Cat. No.		AAHL1015K	AAHL1025K	AAHL1035K
Electrical Requirements (120V, 60 Hz)		27.4A	27.4A	27.4A
Cat. No.		AAHL1013U	AAHL1023U	AAHL1033U

1) Technical data according to EN 554 / BS EN 285:1997.

2) Exterior size is measured without the size of exhaust tank.

* Permissible environmental conditions: temperature (5~40°C) and relative humidity (10~80%).

Accessories & Options

Cat. No.	Description	ST-50G	ST-65G	ST-85G
AAAL1501	Recorder set (dot type, 6 point)	•	•	•
AAAL1511	Pressure Sensor (0~3.5 bar)	•	•	•
ATC0002	Basket (Stainless steel, Ø380x180mm)	•	-	-
ATC0003	Basket (Stainless steel, Ø380x230mm)	-	•	-
ATC0004	Basket (Stainless steel, Ø380x330mm)	-	-	•