Autoclave

Suitable for temperature characteristic tests such as heat treatment and drying

◢◤ Proven Control Capability

- Verified according to KS P 6102, providing a more reliable sterilization environment.
- Verified stable temperature control performance by measuring the inside with 10 of temperature sensor.

### ◢◤ Structural Functional Features

- Easy to open and close with circular handle.
- Including pressure gauge for internal pressure verification.
- Exhaust tank provided as standard.
- Including drain bucket for use cleanly.
- Upper part is made of stainless steel and is easy to maintain.
- Vertical, top loading system makes it easy to sterilize large volume samples.
- Casters for easy mobility during installation or relocation.

◢◤ Use Convenience Features

- Easy operation environment allowing the whole sterilization process to be started with just one operation.
- Three operation modes provided according to usage.
- Precise temperature control with PID Feedback control and Auto Tuning.
- Automatic exhaust after the sterilization process.
- LED display lamp, clear VFD and sterilization step to check operation status and sterilization progress conveniently.
- Including sterilization elapsed time display.
- Additional temperature sensor and recorder for recording sterilization procedure. (option)
- Pressure for each step can be checked with pressure sensor. (option)
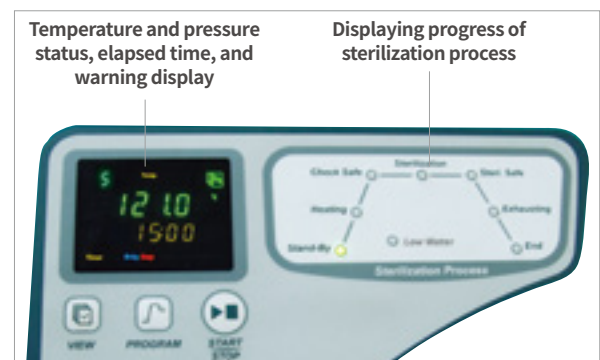- Including manual valve for releasing internal pressure.

◢◤ Outstanding Safety

- Preventing users from get burnt by using safety door cover made of plastic with low thermal conductivity.
- Automatic operation of safety valve when overpressure occurs.
- Over temperature protection. (over temperature limiter)
- Low level of solution alarm. (low level limiter)
- Overcurrent and short circuit protection.

Model: ST- 85G (measured with 10 of temperature sensors)
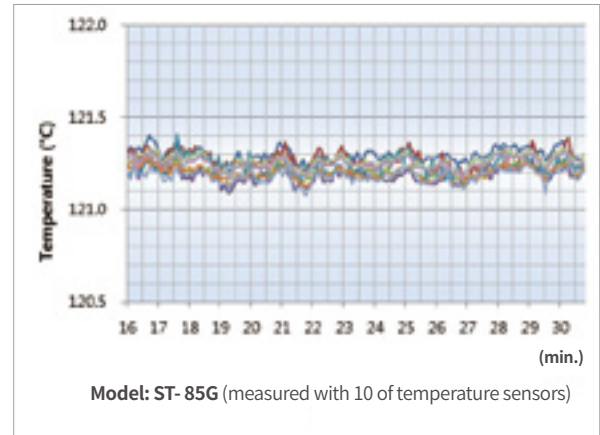
Max. Loading Capacity of Media Bottle				
Bottle Capacity (ml)	ST-50G (ea x floor)	ST-65G (ea x floor)	ST-85G (ea x floor)	ST-105G (ea x floor)
250	20 x 3	20 x 3	20 x 5	20 x 6
500	14 x 2	14 x 3	14 x 4	14 x 4
1000	8 x 1	8 x 2	8 x 3	8 x 3
2000	5 x 1	5 x 1	5 x 2	5 x 3

Max. Loading Capacity of Erlenmeyer Flask				
Bottle Capacity (ml)	ST-50G (ea x floor)	ST-65G (ea x floor)	ST-85G (ea x floor)	ST-105G (ea x floor)
250	14 x 3	14 x 4	14 x 5	14 x 6
500	8 x 2	8 x 3	8 x 4	8 x 4
1000	5 x 2	5 x 2	5 x 3	5 x 3
2000	3 x 1	3 x 2	3 x 2	3 x 3

Temperature and pressure status, elapsed time, and warning display

Displaying progress of sterilization process

JEIO TECH

Drain Bucket

Exhaust Tank

Basket

Recorder (Thermal Line)

Pressure Sensor

Step Stool

Standard Accessories

Cat. No.	Description	Standard	Max. mounted No.	Model
00ATC0000002	Basket, Stainless steel (Ø380 x 180 mm)	2	2	ST-50G
		-	2	ST-65G
		-	3	ST-85G
		-	4	ST-105G
00ATC0000003	Basket, Stainless steel (Ø380 x 230 mm)	-	1	ST-50G
		2	2	ST-65G
		-	2	ST-85G
		-	3	ST-105G
00ATC0000004	Basket, Stainless steel (Ø380 x 330 mm)	-	1	ST-50G
		-	1	ST-65G
		2	2	ST-85G
		-	2	ST-105G
00ATC0000126	Basket, Stainless steel (Ø380 x 405 mm)	-	-	ST-50G
		-	1	ST-65G
		-	1	ST-85G
		2	2	ST-105G
AAAL1521	Exhaust Tank	1	1	ST-50G/65G/85G/105G
00ATC0000091	Drain Bucket (490 x 291 x 107, mm)	1	1	ST-50G/65G/85G/105G
AAAL1531	Step Stool, Powder Coated Steel (500 x 400 x 250, mm)	-	-	ST-105G

Optional Accessories

Cat. No.	Description
AAAL1501	Recorder set : Recorder (Dot, 6 Point) & Temp. sensor (Double)
AAAL1502	Recorder set : Recorder (Thermal Line) & Temp. sensor (Double)
00ATC0000108	Temperature sensor for Recorder
AAAL1511	Pressure sensor

※ The above option is only installed when initial order.
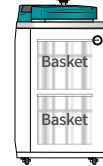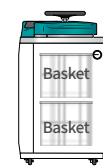
Specification

Model	ST-50G	ST-65G	ST-85G	ST-105G
Temperature				
Sterilization (℃ / °F)	110 to 123 / 230 to 253.4	110 to 123 / 230 to 253.4	110 to 123 / 230 to 253.4	110 to 123 / 230 to 253.4
Melting (℃ / °F)	60 to 100 / 140 to 212	60 to 100 / 140 to 212	60 to 100 / 140 to 212	60 to 100 / 140 to 212
Pressure				
Sterilization at 121°C (kg / cm²)	1.1 to 1.2	1.1 to 1.2	1.1 to 1.2	1.1 to 1.2
Gauge range in analog (Mpa)	-0.1 to 0.6	-0.1 to 0.6	-0.1 to 0.6	-0.1 to 0.6
Dimension				
Volume (L / cu ft)	50 / 1.76	65 / 2.29	85 / 3	105 / 3.7
Internal (Ø x H, mm / inch)	400 x 458 / 15.75 x 18.03	400 x 558 / 15.75 x 21.97	400 x 758 / 15.75 x 29.84	400 x 908 / 15.75 x 35.75
External (W x D x H, mm / inch)	624 x 672 x 870 / 24.57 x 26.46 x 34.25	624 x 672 x 971 / 24.57 x 26.46 x 38.23	624 x 672 x 1083 / 24.57 x 26.46 x 42.64	624 x 672 x 1233 / 24.57 x 26.46 x 48.54
External with Exhaust Tank (W x D x H, mm / inch)	722 x 672 x 870 / 28.42 x 26.46 x 34.25	722 x 672 x 971 / 28.42 x 26.46 x 38.23	722 x 672 x 1083 / 28.42 x 26.46 x 42.64	722 x 672 x 1233 / 28.42 x 26.46 x 48.54
Door Max. Opening (W x D x H, mm / inch)	1012 x 672 x 882 / 39.84 x 26.46 x 32.72	1012 x 672 x 983 / 39.84 x 26.46 x 38.7	1012 x 672 x 1095 / 39.84 x 26.46 x 43.11	1012 x 672 x 1245 / 39.84 x 26.46 x 49.01
Basket (Ø x H, mm / inch)	380 x 180	380 x 230 / 14.96 x 9.05	380 x 330 / 14.96 x 12.99	380 x 405 / 14.96 x 15.94
Weight (kg / lbs)	94.5 / 208.34	99.5 / 219.36	104 / 229.28	110 / 242.51
Electrical data & Ordering information				
230V, 50/60Hz, A	14.3	14.3	14.3	21.3
Cat. No.	AAHL1015K	AAHL1025K	AAHL1035K	AAHL1045K

※ Above product must be installed in a location below an altitude of 800 meters.