Ideal for research and industrial laboratories.

Your laboratory space is efficiently managed with our various different size models.

CLG models
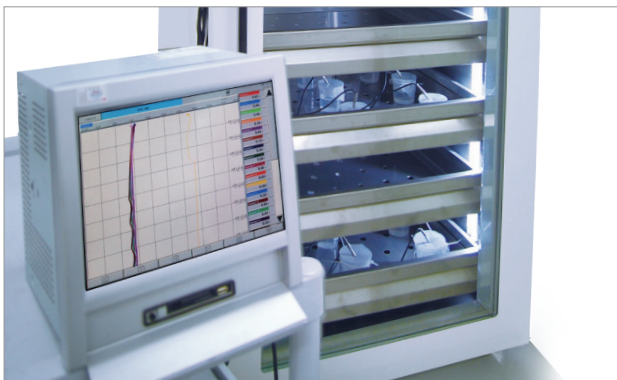with optional recorder

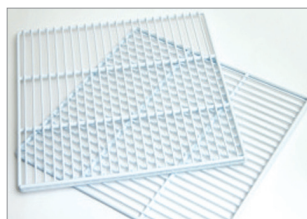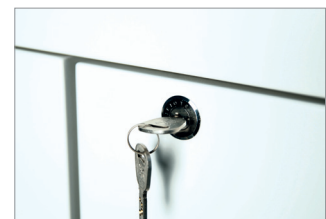|	
Standard accessories	• Wire shelves, Door key
	• Cable port (except for 150L chamber)
Optional accessories see page 140	• Slid wire shelves, Slid drawers
	• Auto dialing remote system

Reliable temperature control

Display

Wire shelves

Door key lock

Performance

- Fully insulated chamber ensuring minimal chamber's temperature fluctuation.
- High thermal efficiency evaporation system, made of low corrosive materials.
- Optimizing defrost systems
  - Innovation auto-defrost system automatically activated on detecting amount of frost accumulated in the evaporator for CLG-150, 300, 650, 850.
  - None defrost system needed for 1400 due to its dual refrigerating system.

Convenience

- Intuitive and easy-to-operate control panel with VFD and touch-sensitive buttons.
  - Easy temperature unit conversion between ℃and ℉
- Clear observation of stored samples.
  - Tempered glass door with built in heating wire. (for the models with glass doors only)
  - Built-in bright fluorescent lighting. (except for CLG-150)
- High-quality 304 grade stainless steel interior.

- Efficient internal space use with height adjustable wire shelves.
- Built-in 50mm diameter cable port for external probes or wires. (except for CLG-150)
- Dedicated stand with casters and stacking kit for CLG-150 for use in labs with limited space. (optional)
- Three types of recorders to choose from (optional)
  - Dot recorder (6 point)
  - Chart recorder (6", 24hr/7days)
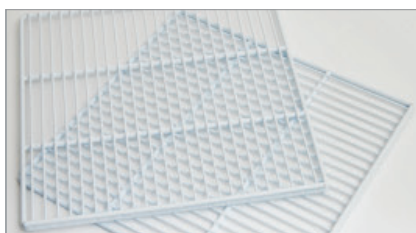 - Thermal line recorder

Safety

- High/low temperature protection, Over current protection.
- Open door alarm and automatic fan stop interlocked with door opening for minimization of heat loss.
- Keypad lock function, Built in door lock with a key.

Model		CLG-150	CLG-300	CLG-650	CLG-850	CLG-1400
Chamber volume (L / cu ft)		156 / 5.5	303 / 10.7	603 / 21.3	805 / 28.4	1327 / 46.9
Temperature range (℃ / ℉)		2 to 10 / 35.6 to 50				
Refrigerator (Hp)	230V, 50/60Hz	1/6	1/6	1/4	1/3	1/4×2ea
	120V, 60Hz	1/6	1/6	1/6	1/6	1/6×2ea
No. of wire shelf (standard / max.)		2 / 6	3 / 11	3 / 17	3 / 17	6 / 34
No. of wire shelf, slide (max., optional)		4	7	11	11	22
No. of drawer shelf, slide (max., optional)		3	5	8	8	16
Max. load per shelf (kg / lbs)		26 / 57.3		30 / 66.1		
Material	Interior	Stainless steel #304				
	Exterior	Steel, 1 mm, powder coating				
	Insulation	60mm, Polyurethane foam				
Dimension (W×D×H)	Interior (mm / inch)	550×580×490 / 21.7×22.8×19.3	550×550×1000 / 21.7×21.7×39.4	650×640×1450 / 25.6×25.2×57.1	750×740×1450 / 29.5×29.1×57.1	1430×640×1450 / 56.3×25.2×57.1
	Exterior (mm / inch)	683×791×870 / 26.9×31.1×34.4	670×770×1515 / 26.4×30.3×59.6	770×865×1965 / 30.3×34.1×77.4	870×965×1965 / 34.3×37.9×77.4	1550×865×1965 / 61×34.1×77.4
	Net weight (kg / lbs)	100 / 220.4	130 / 286.6	210 / 463	260 / 573.2	350 / 771.6
Electrical requirements (230V, 60Hz)		2A	2.3 A	4A	5A	6A
Cat. No.	Solid door type	AAHE1001K	AAHE1011K	AAHE1021K	AAHE1031K	AAHE1041K
	Glass door type	AAHE1101K	AAHE1111K	AAHE1121K	AAHE1131K	AAHE1141K
Electrical requirements (230V, 50Hz)		2A	2.3 A	4A	4.2A	6A
Cat. No.	Solid door type	AAHE1002K	AAHE1012K	AAHE1022K	AAHE1032K	AAHE1042K
	Glass door type	AAHE1102K	AAHE1112K	AAHE1122K	AAHE1132K	AAHE1142K
Electrical requirements (120V, 60Hz)		4A	4.5 A	5 A	5.2A	9.5A
Cat. No.	Solid door type	AAHE1003U	AAHE1013U	AAHE1023U	AAHE1033U	AAHE1043U
	Glass door type	AAHE1103U	AAHE1113U	AAHE1123U	AAHE1133U	AAHE1143U

※ Technical data according to DIN 58345.
※ FDA establishment registered company. FDA listed products.

Accessories & Options

Wire shelves

Wire shelves (slide type)

Drawer shelves (slide type)

Dot recorder

Chart recorder

Thermal line recorder

for Laboratory Cooling

Cat. No.	Description	CLG-150	CLG-300	CLG-650	CLG-850	CLG-1400
AAAE1511	Wire shelves - flat type (included shelf bracket)	●	●	-	-	-
AAAE1512		-	-	●	-	●
AAAE1513		-	-	-	●	-
AAAE1514	Wire shelves - slide type (included guide rail)	●	●	-	-	-
AAAE1515		-	-	●	-	●
AAAE1516		-	-	-	●	-
AAAE1517	Drawer shelves - slide type (included guide rail)	●	●	-	-	-
AAAE1518		-	-	●	-	●
AAAE1519		-	-	-	●	-
AAAE1562	Recorder set; Recorder (dot type, 6 point) with Temp. sensor	●	●	●	●	●
AAAE1501	Recorder set; Recorder (chart type, 6″, 24hr / 7day) with Temp. sensor	●	●	●	●	●
AAAE1502	Chart recorder paper (6″, 60ea/1 package)	●	●	●	●	●
AAAE1563	Recorder set; Recorder (thermal line type) with Temp. sensor	●	●	●	●	●
AAAE1551	Auto dialing remote system	●	●	●	●	●
AAAE1521	Cable port	-	●	●	●	●
AAAE1531	Electric outlet (120V-US style)	-	●	●	●	●
AAAE1532	Electric outlet (230V-Korea style)	-	●	●	●	●

Cat. No.	Description	FHG-150 / FMG-150	FHG-300 / FMG-300	FHG-650 / FMG-650	FCG-150	FCG-300 / FDG-300	FCG-650 / FDG-650
AAAE1511	Wire shelves - flat type (included shelf bracket)	●	●	-	●	●	-
AAAE1512		-	-	●	-	-	●
AAAE1517	Drawer shelves - slide type (included guide rail)	●	●	-	●	●	-
AAAE1518		-	-	●	-	-	●
AAAE1562	Recorder set; Recorder (dot type, 6 point) with Temp. sensor	●	●	●	●	●	●
AAAE1501	Recorder set; Recorder (chart type, 6″, 24hr / 7day) with Temp. sensor	●	●	●	●	●	●
AAAE1502	Chart recorder paper (6″, 60ea/1 package)	●	●	●	●	●	●
AAAE1563	Recorder set; Recorder (thermal line type) with Temp. sensor	●	●	●	●	●	●
AAAE1551	Auto dialing remote system	●	●	●	●	●	●

for Medical Cooling

Cat. No.	Description	BSR-300	BSR-650
AAAE1517	Drawer shelves - slide type (included guide rail)	•	-
AAAE1518		-	•
AAAE1501	Recorder set; Recorder (chart type, 6", 24hr / 7day) with Temp. sensor	•	•
AAAE1502	Chart recorder paper (6", 60ea/1 package)	•	•
AAAE1551	Auto dialing remote system	•	•

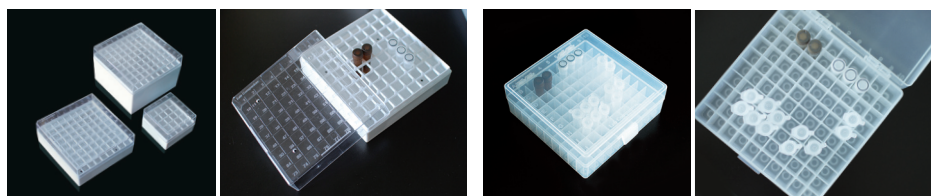| Cat. No.	Description	BSF-300	BSF-650
AAAE1517	Drawer shelves - slide type (included guide rail)	•	-
AAAE1518		-	•
AAAE1501	Recorder set; Recorder (chart type, 6", 24hr / 7day) with Temp. sensor	•	•
AAAE1502	Chart recorder paper (6", 60ea/1 package)	•	•
AAAE1551	Auto dialing remote system	•	•

Cat. No.	Description	PSR-300	PSR-650
AAAE1511	Wire shelves - flat type (included shelf bracket)	•	-
AAAE1512		-	•
AAAE1514	Wire shelves - slide type (included guide rail)	•	-
AAAE1515		-	•
AAAE1517	Drawer shelves - slide type (included guide rail)	•	-
AAAE1518		-	•
AAAE1501	Recorder set; Recorder (chart type, 6", 24hr / 7day) with Temp. sensor	•	•
AAAE1502	Chart recorder paper (6", 60ea/1 package)	•	•
AAAE1551	Auto dialing remote system	•	•

Cryo box / Storage box

Cryo box is designed for ultra-low temperature storage of biological materials. (heat resistance : -196℃ to 121℃)
Storage box is suitable for storage of samples in general conditions. (heat resistance: 20℃ to 121℃)

Cryo box

Storage box

Cat. No.	Description	Dimension (W×D×H) (mm / inch)
AAAJ7001	Cryo box (PC, 1.2 to 2.0ml tubes x 25)	77×77×53 / 3.0×3.0×2.1
AAAJ7002	Cryo box (PC, 1.2 to 2.0ml tubes x 81)	132×132×54 / 5.2×5.2×2.1
AAAJ7003	Cryo box (PC, 5ml tubes x 81)	132×132×96 / 5.2×5.2×3.8
AAAJ7011	Storage box (PP, 1.2 to 2.0ml tubes x 100)	140×140×53 / 5.5×5.5×2.1

※ 5ea for 1 set.