Laboratory Freezer

Maintain stable temperature by direct cooling-type refrigeration system

FCG-150

FCG-150

FMG-650
with Recorder (option)

◢ Structural Functional Features

· Stable temperature control with excellent insulation and sealing structure.
· Clean construction with no condensation on outer walls.
· Interior has excellent corrosion resistance as made of stainless steel.
· Magnetic packing door with smooth opening and closing.
· Casters for easy movement / installation. (except for 150 model)
· Space-efficient configuration with double stackable. (only for 150 model)
· Auto defrost function eliminates the need for separate defrosting.

◢ Use Convenience Features

· Stable control with Lab Companion's exclusive controller.
· Easy to use with clear VFD and touch key.
· Simultaneously displays set temperature and actual temperature.
· Calibration function minimizes temperature difference.
· Height-adjustable and strong shelf provided as standard.
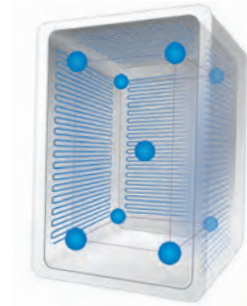· Easy to use with door open button.

◢ Outstanding Safety

· Temperature deviation notification. (High & Low Temperature)
· Malfunction prevented by controller lock function.
· Door lock with key as standard.
· Notification function when door is opened for a long time.

Direct Cooling-type Refrigeration System

· Cooling method with structure surrounding the internal sample space.
· The structure maintains stable temperature uniformity throughout the entire interior where the sample is placed.
· Efficient operation provided with minimal heat loss.

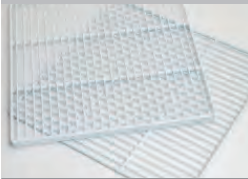## Accessories Provided for Convenient Use

· Voice alarm system transmits voice messages to designated phone if there is an abnormality in operation. (option)
· Convenient use with drawer type shelf. (option)
· Selection of various temperature recorders. (option) (Dot, Chart, Thermal Line)

Specification

Model		FCG-150 FMG-150	FCG-300 FMG-300	FCG-650 FMG-650
Temperature range (°C / °F)	FCG	-35 to -25 / -31 to -13	-35 to -25 / -31 to -13	-35 to -25 / -31 to -13
	FMG	-25 to -15 / -13 to 5	-25 to -15 / -13 to 5	-25 to -15 / -13 to 5
Chamber volume (L / cu ft)		154 / 5.4	303 / 10.7	647 / 22.8
Dimension				
Interior (W x D x H, mm / inch)		550 x 570 x 490 / 21.7 x 22.4 x 19.3	550 x 550 x 1000 / 21.7 x 21.7 x 39.4	700 x 675 x 1370 / 27.6 x 26.6 x 53.9
Exterior (W x D x H, mm / inch)		763 x 815 x 1055 / 30 x 32.1 x 41.5	765 x 760 x 1650 / 30.1 x 29.9 x 65	915 x 885 x 2020 / 36 x 34.8 x 79.5
Net weight (Kg / lbs)	FCG	123 / 271.2	155 / 341.7	238 / 524.7
	FMG	120 / 264.6	150 / 330.7	233 / 513.7
Shelf				
Quantity of shelf (standard/max.)		2 / 6	3 / 11	3 / 17
Load per shelf (kg / lbs)		26 / 57.3	26 / 57.3	30 / 66.1
Electrical data & Ordering information				
230V, 50Hz, A	FCG	5.0	5.5	6.5
Cat. No.		AAHE2302K	AAHE2312K	AAHE2322K
230V, 60Hz, A		5.0	5.5	6.5
Cat. No.		AAHE2301K	AAHE2311K	AAHE2321K
230V, 50/60Hz, A	FMG	4.5	4.8	5.5
Cat. No.		AAHE2202K	AAHE2212K	AAHE2222K

Accessories Shelf, Drawer, Recorder, Remote Alarm, Stand with Caster

Refrigerator & Freezer

Accessories

Wire Shelf

· Provides uniform temperature conditions throughout the storage area thanks to space between wires.

Drawer Shelf (Slide)

· The drawer shelf of a rigid steel plate makes easy to handle storage inside.

Wire Shelf (Slide)

· Wire type with good airflow, and convenient to use as drawer type.

Electric Socket

· Power supply for AC 230V.
· Includes cover as standard.

Recorder

Recorder with Sensor (Chart)

· Graph / Digital mode
· Thermal-type temperature recorder.
· Single sensor type, and built-in record for Medical products as standard. (PSR3)

Recorder with Sensor (Thermal Line)

· Graph/Digital mode.
· Thermal-type temperature recorder.
· Double sensor type, so available to record a temperature continuously even one sensor is out of work.

Recorder with Sensor (Chart)

· 24/7 circular chart recorder.
· Easy replacement of the recording paper.
· Independent sensor that are separate from the product.

Recorder with Sensor (Dot)

· Up to 6 channels supported.
· Set recording range and speed.
· Paper width: 1000mm.
· Independent sensor that are separate from the product.

Cat. No.	Description
AAAE15631	Recorder with Sensor (Thermal Line, Single sensor)
AAAE1503	Recorder with Sensor (Thermal Line, Double sensor)
AAAE1501	Recorder with Sensor (Chart)
AAAE1562	Recorder with Sensor (Dot)

Alarm system

LC GreenBox

· Real-time monitoring the state of a device via mobile app under an internet connection.
· Available to connect 4 devices in max for 1 unit of LC GreenBox.

Cat. No.	Description	Dimension (W x D x H, mm)
AAHQ1011K	LC GreenBox	156 x 94 x 34

※ Applied model: CLG3 / PSR3

Remote Alarm with Battery

· Activate/deactivate battery via settings.
· When the setting of battery is ON, a warning alarm occurs if the power is turned off during operation.
· The recorder also records power failure events.
· Included as standard only for PSR3.

Cat. No.	Description
AAAE15511	Remote alarm system
AAAE15301	Battery

※ Available for all models.

JEIO TECH

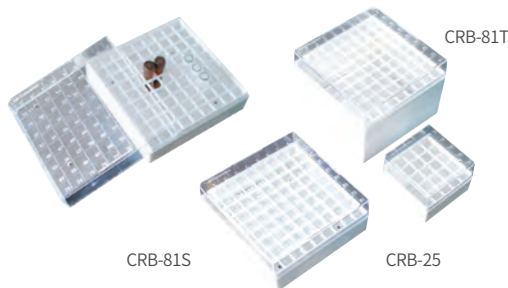| Model	Standard		Option							
	Wire Shelf	Drawer Shelf (Slide)	Wire Shelf (Slide)	Drawer Shelf (Slide)	Recorder (Chart)	Recorder (Dot)	Recorder (Thermal line)	Electric Socket	Stand with Caster	Remote Alarm
CLG3-70	AAAE15081	N/A	AAAE15091	AAAE15101[1]	N/A	N/A	AAAE15631	N/A	N/A	AAAE15511
CLG-150	AAAE1511	N/A	AAAE1514	AAAE1517	N/A	AAAE1562	AAAE1563	N/A	AAAE1542	AAAE1551
CLG-300[3]	AAAE1511	N/A	AAAE1514	AAAE1517	AAAE1501	AAAE1562	AAAE1563	AAAE1532[2]	N/A	AAAE1551
CLG-650[3]	AAAE1512	N/A	AAAE1515	AAAE1518	AAAE1501	AAAE1562	AAAE1563	AAAE1532[2]	N/A	AAAE1551
CLG-850[3]	AAAE1513	N/A	AAAE1516	AAAE1519	AAAE1501	AAAE1562	AAAE1563	AAAE1532[2]	N/A	AAAE1551
CLG-1400[3]	AAAE1512	N/A	AAAE1515	AAAE1518	AAAE1501	AAAE1562	AAAE1563	AAAE1532[2]	N/A	AAAE1551
FCG-150	AAAE1511	N/A	AAAE1514	AAAE1517	AAAE1501	AAAE1562	AAAE1563	N/A	AAAE1542	AAAE1551
FCG-300	AAAE1511	N/A	AAAE1514	AAAE1517	AAAE1501	AAAE1562	AAAE1563	N/A	N/A	AAAE1551
FCG-650	AAAE1512-1	N/A	AAAE1515-1	AAAE1518-1	AAAE1501	AAAE1562	AAAE1563	N/A	N/A	AAAE1551
FMG-150	AAAE1511	N/A	AAAE1514	AAAE1517	AAAE1501	AAAE1562	AAAE1563	N/A	AAAE1542	AAAE1551
FMG-300	AAAE1511	N/A	AAAE1514	AAAE1517	AAAE1501	AAAE1562	AAAE1563	N/A	N/A	AAAE1551
FMG-650	AAAE1512-1	N/A	AAAE1515-1	AAAE1518-1	AAAE1501	AAAE1562	AAAE1563	N/A	N/A	AAAE1551
PSR3-70	AAAE15081	AAAE15101	AAAE15091	AAAE15101[1]	N/A	N/A	AAAE15631	N/A	N/A	AAAE15511

1) CLG3-70, PSR3-70 offer 3 different drawer type : Digital type (AAAE15101), Key lock type (AAAE15102), Unlocked type (AAAE15103)
2) 230V (Korean style). If user want 120V (US style) socket, user need to choose AAAE1531.
3) We proved cable port (AAAE1521) only for CLG-300, 650, 850, 1400.

Related Product

Cryo Box

Made by JeioTech

· Excellent durability even at ultra-low temperature with stable PC material.
· Easily distinguish samples with numbers on the covers.
· Cover, tray and dividers are separated for easy cleaning.
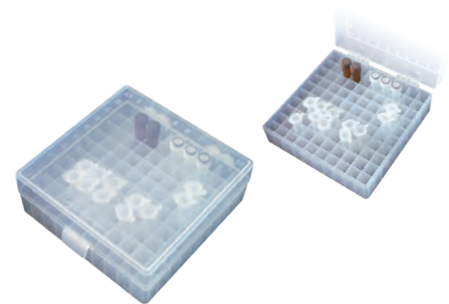· Pressurized sterilization possible. (autoclavable)

CRB-81T
CRB-81S
CRB-25

Model	CRB-25	CRB-81S	CRB-81T
Tube size (ml)	1.2 to 2.0	1.2 to 2.0	5
Max. Mountable tube	25 (5 x 5)	81 (9 x 9)	81 (9 x 9)
Dimension (W xD x H, mm / inch)	77 x 77 x 53 / 3 x 3 x 2.1	132 x 132 x 54 / 5.2 x 5.2 x 2.1	132 x 132 x 96 / 5.2 x 5.2 x 3.8
Cat. No.	AAAJ7001	AAAJ7002	AAAJ7003

※ 5 packs for one set. (each Cat. No.)

Storage Box

Made by JeioTech

· Excellent chemical resistance due to polypropylene material.
· The circular grooves at the bottom ensure stable mounting of tubes.
· Easy to separate samples with numbers and letters on covers.
· Pressurized sterilization possible. (autoclavable)

Model	SRB-100
Tube size (ml)	1.2 to 2.0
Max. Mountable tube	100 (10 x 10)
Dimension (W xD x H, mm / inch)	140 x 140 x 53 / 5.5 x 5.5 x 2.1
Cat. No.	AAAJ7011

※ 5 packs for one set.