

-86°C FREEZER



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Designed with microprocessor-based temperature controller and used for dependability and sample protection on daily basis. High-quality proven components with energy-efficient refrigeration design and majorly used in hospitals, clinics, blood banks and research institutes for preservation of plasma, tissue cultures and microbial cultures.

Used in Preservation Of Plasma, Microbial Cultures, Tissues, Cell Lines, Clinical, Industrial, Research. Also known as Laboratory ULT freezer, ULT Freezer, Ultra-low Freezer.

FC11 SERIES -10°C TO -86°C ULTRA LOW TEMPERATURE CHEST FREEZER

- Microprocessor-based temperature controller
- Digital temperature display
- Stainless steel interior and painted steel board exterior
- Door with key lock and rotatable door handle
- Two-times foaming technology with double seal design
- Insulation thickness: 155 mm
- Temperature printer which record 7 days data
- 72 hours battery backup for printer and controller display
- Keyboard lock and password protected configuration page



FEATURES

	FC111	FC112	FC113	FC114
Danfoss compressor and EBM fan electromotor	•		•	•
Unique refrigeration circulation and unipolar compressor oil-lubricated technology	•		•	•
Mixed Refrigerant: CFC Free R134a, R404a, R23, R410A, and N2	•		•	•
4 casters for easy handling	•		•	•
Safety functions: Audible and visual alarm for high or low temperature, power failure, low battery, door open, filter blocking, system failure	•		•	•

SPECIFICATIONS

Model	FC111	FC112	FC113	FC114
Capacity	138 L	328 L	438 L	668 L
Temperature Range	-10°C to -86°C	-	-	-10°C to -86°C
Defrosting	Manual	-	-	Manual
Internal Dimension	470x570x490 mm	470x1200x582 mm	540x1270x590 mm	815x1200x660 mm
Overall Dimension	890x1320x1009 mm	890x2005x1009 mm	890x1320x1009 mm	2050x1150x1010 mm
Weight (Net/Gross)	230/250 kg	300 kg	320 kg	340/360 kg
Input Power	800 W		1500 W	
Power Supply	220 V, 50 Hz	-	-	220 V, 50 Hz
Racks	-	24	30	-

Max Vials(1.5ml)	-	24000	30000	-
Package Size	-	-	-	2110x1270x1260 mm



FC111, FC114



FC112, FC113

FC21 SERIES -10°C TO -86°C ULTRA LOW TEMPERATURE FREEZER

- Microprocessor-based temperature controller
- Stainless steel interior and painted steel board exterior
- Front lockable door design with full height handle and vacuum release port
- Two-times foaming technology with double silicon gasket seal
- Insulation thickness: 100 - 155 mm
- Keyboard lock and password protected configuration page
- EBM fan electromotor
- 4 casters for easy handling
- Safety functions: Audible and visual alarm for high or low temperature, power failure, low battery, door open, filter blocking, system failure



FEATURES

	FC211	FC212	FC213	FC214	FC215	FC216	FC217	FC218
Digital temperature display	•	•	•	•	•	•	•	
Adjustable stainless steel shelves with inner door	•	•	•	•	•	•	•	
Polycarbonate insulated inner doors	•	•	•	•	•	•	•	
Two units of Danfoss compressor in parallel connection to reduce noise and improve the cooling rate	•	•	•	•	•	•	•	
Temperature printer which record 7 days data	•	•	•	•	•	•	•	
72 hours battery backup for printer and controller display	•	•	•	•	•	•	•	
Unique refrigeration circulation and unipolar compressor oil-lubricated technology	•	•	•	•	•	•	•	
Mixed Refrigerant: CFC Free R134a, R404a, R23, R410A, and N2		•	•	•	•	•	•	•
Touchscreen panel								•
3 units stainless steel shelves with inner door								•
Single imported Embraco compressor, to reduce noise and lower the power consumption								•
Controlling precision is 1°C								•

SPECIFICATIONS

Model	FC211	FC212	FC213	FC214
Capacity	100 L	218 L	398 L	528 L
Temperature Range	-10°C to -86°C		-	-
Defrosting	Manual		-	-
Internal Dimension	450x450x500 mm	582x470x768 mm	440x696x1266 mm	585x696x1266 mm
Overall Dimension	720x793x1000 mm	940x840x1552 mm	785x1041x1947 mm	930x1041x1947 mm
Drawers/Shelves	2 inner chambers		-	-
Weight (Net/Gross)	120/140 kg	225/250 kg	300 kg	320 kg
Input Power	800 W	1000 W		1100 W
Power Supply	220 V, 50 Hz		-	-
Racks	-	-	12	16
Max Vials(1.5ml)	-	-	24300	32400
2" Box	-	-	-	-

Model	FC215	FC216	FC217	FC218
Capacity	678 L	778 L	858 L	1008 L
Temperature Range	-	-	-	-10°C to -86°C
Defrosting	-	-	-	-
Internal Dimension	750x696x1268 mm	865x696x1268 mm	877x696x1378 mm	1022x696x1378 mm
Overall Dimension	1090x998x1968 mm	1205x998x1968 mm	1218x997x1998 mm	1345x997x1998 mm
Drawers/Shelves	-	-	-	-
Weight (Net/Gross)	340 kg	350 kg	440 kg	480/500 kg
Input Power	1200 W		1300 W	
Power Supply	-	-	-	220 V, 50 Hz
Racks	20	24		28
Max Vials(1.5ml)	50000	60000	69000	-
2" Box	-	-	-	80500



FC211



FC212



FC213



FC214, FC215, FC216, FC217,
FC218