Schnee
ALPINUM PRAZISION COLD CHAIN

Life Science Product
2°C~8°C
Biological / Medical / Pharmacy Refrigerator

2°C~8°C Biological / Medical / Pharmacy Refrigerator

Applications

Medical, Reagents, Biological, Vaccine, Blood Samples; Suitable for Medical, Electronics, Chemicals, R&D, University Research, Food Process.

Grun-810

Grun-1100

Grun-410

Wide double layer window for easy observation

Adjustable shelves

Strong mechanical convention to ensure better temperature uniformity

Model	Nominal Volume	Power	Inner Dimension (W x D x H)mm	Outer Dimension (W x D x H)mm	Weight (Kg)
Grun-410	410	AC220-240V, 60Hz	540 x 425 x 1380	640 x 552 x 1880	92.5
Grun-810	810	AC220-240V, 60Hz	1100 x 454 x 1325	1220 x 642 x 1885	158
Grun-1100	1100	AC220-240V, 60Hz	1100 x 684 x 1325	1220 x 872 x 1885	207

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Cooling System
- With stable and consistent internal cabinet temperature, Fast temp recovery after opening and closing the door.
- Temp. Range: 2 ~ 20°C
- With 80mm thick polyurethane foam insulation
- Evaporator copper tube embedded in foam layer to prevent corrosion and to ensure heat transfering efficiency
- Special designed compact finned condenser for better efficiency
- Independent inner door to minimize leakage of cold air, ensuirng uniform temperature within the refrigerator

Safety
- Magnetic sealed door automatically closes to ensure and heightens the refrigeration performance and operational reliability
- Password protected control setting to prevent any unecessaryo perating parameters from being modified Sturdy and durable overall frame structure
- Antibacterial powdered inner and outer surface
- Refrigeration system uses highly efficient and environmental friendly fluorine-free refrigerant
- Controller equipped with rechargeable backup battery, whichc an display the main information such as alarm and internal temperature of the cabinet when the main power is cut off
- Built-in mechanical lock to ensure safety of stored items
- Built-in Castors for easy relocation when needed
- Safe mode activates in the event of temperature sensor failure, ensuring the safe storage of items in the box.

Temperature control and safety monitoring
- Temperature stablity ±1.5°C
- Temp. Accuracy 0.1°C
- Alarm mode: buzzer and flashing lights
- Digital temperature display
- High and Low temp. alarm
- Alarm when doors are opened after an extended period of time
- Power failure alarm
- Record displays Date, Time, Min and Max Temp.
- Controller displays real-time temperature and alarm codes for easy use

Ease of Operation
- Writable tag on each level
- Wide double layer window for easy observation
- LED lamp power switch together with control panel
- Standard testing ports on right side for easy access to extenral test tools
- Castors wheels for ease of maneuvering
- Adjustable shelvings
- Dip-treated shelf , effective in preventing rust and corrosion
- Buzzing alarm can also be set to mute if required
- Backup battery is charged while the refrigerator is in operation and its reusable characteristics minimize the adverse effects on the environment.
- Displays real time operating status of refrigerator on larges creen of the controller for easy of reading

Technical Specifications

Model	Grun-410	Grun-810	Grun-1100
Temperature range [℃]	2 ~ 20		
Nominal Capacity [Liters]	410	810	1100
Exterior dimensions W x D x H [mm]	640 x 582 x 1880	1220 x 642 x 1885	1220 x 872 x 1885
Interior dimensions W x D x H [mm]	540 x 425 x 1380	1100 x 454 x 1325	1100 x 684 x 1325
Door opening W x H [mm]	540 x 1380	1100 x 1325	1100 x 1325
Insulation thickness [mm]	50		
Exterior finishing	White plastic coated galvanised steel		
Interior finishing	White plastic coated galvanised steel		
Shelves	5	10	10
Levels	5	10	10
Mechanical lock	Yes		
Battery	Yes		
Interior chamber temperature probe	Yes		
Controller type	Digital screen		
Refrigerant type	Non HCFC		
Voltage/Frequency [V / Hz]	AC220-240V, 60Hz		
Weight [kg]	92.5	158	207
Power failure alarm	Yes		
Temperature sensor failure alarm	Yes		
High / Low temperature alarm	Yes		
Door open alarm	Yes		
Ttemperature resolution [℃]	0.1		
Temperature uniformity [℃]	≤2		
Cooling Time [h]	≤0.8		