

2~8°C



Biomedical Refrigerator (Forced-air Cooling System)

Model: MPC-5V1006A

(Version: 2024-5)



Applications

2~8°C biomedical refrigerators are specially designed to store medicines, vaccines, reagents, and bio-medical products.

Features

- Microprocessor control, ensure the inside temperature is within 2~8°C, accuracy is 0.1°C
- Suggested ambient temperature: +10~32°C.
- Specially designed forced-air cooling system, ensures frost-free cabinet and good temperature uniformity.
- Foamed solid door provides dark storage condition.
- Wide available voltage range: 187V~242V.

Security

- Safety door lock and controller password to prevent unauthorized access.
- 8h built-in backup battery to power the controller and save temp. data when power failure or system error.
- Visual and audible alarm system.
- Power failure protection: turn-on delay of the cooling system after power failure.
- Controller error protection: the cooling system will remember the normal working cycle and keep working depending on this memory when the controller or two sensors failed.

Humanized design

- Special designed service-free drainage system, ensure no water in the cabinet.
- Adjustable shelves for easy storage.
- Auto on/off LED light with manual switch on the control panel.
- Auto on/off cooling fan to prevent cold air from leaking out when the door is opening.



Specifications

| Model NO. | MPC-5V1006A |
|---------------------------------|------------------------|
| Main Specifications | |
| Temperature Range | 2 ~ 8 °C |
| Ambient Temperature | 10~32°C |
| Capacity (L/Cu. Ft.) | 1006 / 35.53 |
| Interior Dimensions (W×D×H) mm | 1100×684×1325 |
| Exterior Dimensions (W×D×H) mm | 1220×865×1885 |
| Weight | 178 kgs |
| Noise | 52 dB |
| Control and Power | |
| Controller | Microprocessor |
| Display | Digital |
| Sensor | NTC |
| Voltage and Frequency | 187~242V, 50/60Hz |
| Power | 319 W |
| Electric Current | 1.89 A |
| Power Consumption (kWh/24h) | 3.2 |
| Audible and Visual Alarms | |
| High / Low Temp. Alarm | Yes |
| Power Failure Alarm | Yes, 8h |
| Sensor Error Alarm | Yes |
| Controller Error Alarm | Yes |
| Door Ajar Alarm | Yes |
| Refrigeration | |
| Refrigeration Type | Forced-air Cooling |
| Defrost | Auto |
| Compressor (Brand/pcs) | Chinese Brand / 1 |
| Refrigerant / Weight (kgs) | R290 / 84g |
| Cabinet | |
| Door (pcs) | Foamed Solid Door / 2 |
| Fixed / Adjustable Shelf (pcs) | 0 / 10 |
| Interior Cabinet Material | Coated Steel |
| Exterior Cabinet Material | Coated Steel |
| Insulation Material | PURF (δ60mm) |
| Door Lock | Yes |
| LED Lamp | Yes |
| Test Hole (pcs) | Φ25mm / 1 |
| Fixed / Levelling Castors (pcs) | 4 / 0 |
| Fixed / Levelling Feet (pcs) | 0 / 2 |
| Accessories | |
| Voltage Stabilizer | Optional |
| USB Data Download Port | Optional |
| Remote Alarm Port | Optional |
| RS232 / RS485 Port | Optional |
| Temperature Datalogger | Optional |
| Temperature Printer | Optional |
| Temperature Chart Recorder | Optional |
| Shipping | |
| Package | Carton box with pallet |
| Shipping Weight | 200 kgs |
| Shipping Size (W×D×H) | 1280×900×1950 |
| Shipping Volume | 2.25 CBM |