# MEDICAL GRADE

## TEMP CONTROL SPECIALIST

**2~8℃**

Safe | Forced air | Stable | CFC-free | Alarms

# PHARMACY REFRIGERATOR

**Safe storage**

to safeguard patient samples and ensure medications remain effcacious.

**Presice temp control**

to ensure stable and accurate temperatures in the chamber

**User-friendly**

to bring convenience and easy maintenance tousers

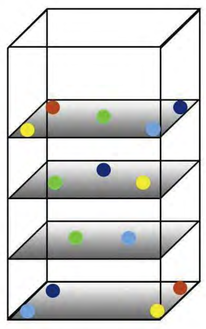
**Eco-friendly**

to reduce operating costs, privide a quiet working environment and support sustainability initiatives

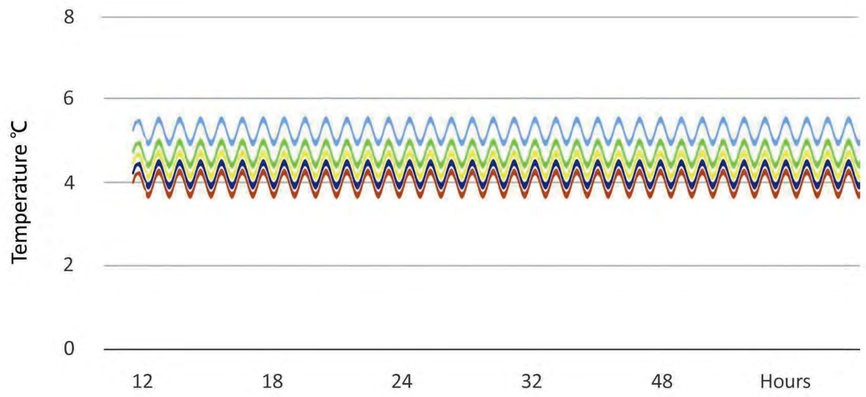
# TEMPERATURE CONTROL TECHNOLOGY

## » Ultimate uniformity

The chamber maintain temperatures within +/-1°C throughout the entire compartment, ensuring confidence that items are stored at the correct temperature regardless of their placement in the chamber..

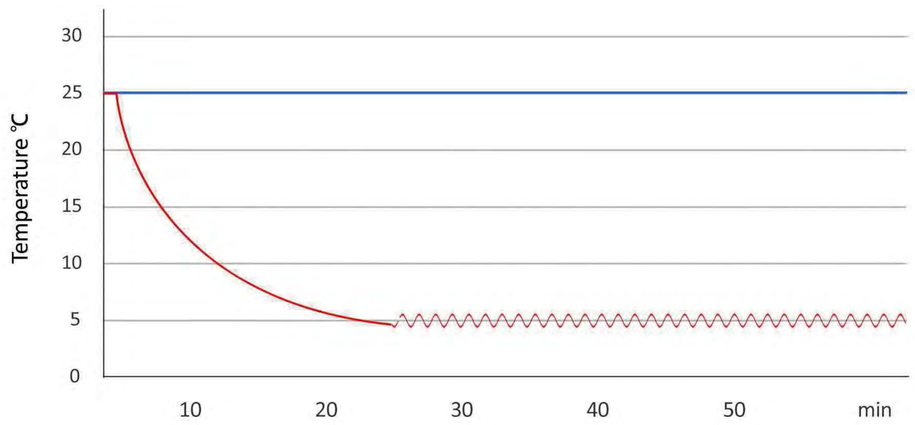


Uniformity testing probe locations



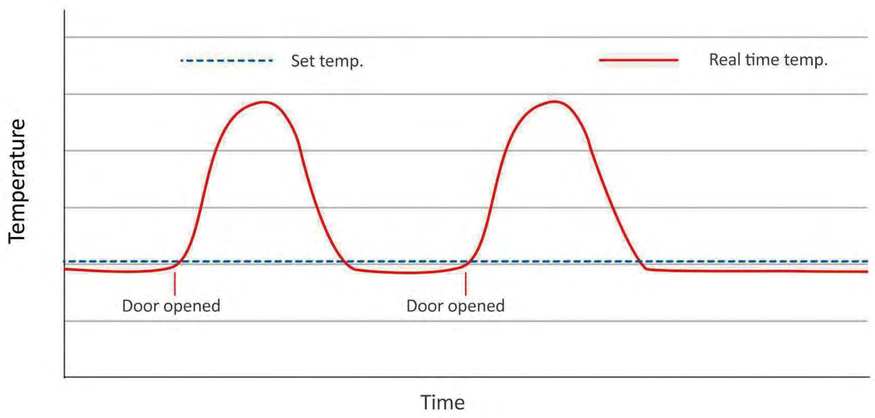

## » Optimized fluctuation

Maintain superior temperature stability, avoiding rapid and significant changes in temperature. This ensures that samples, medications, vaccines, and blood therapies are consistently stored in their optimal environment, without compromise.



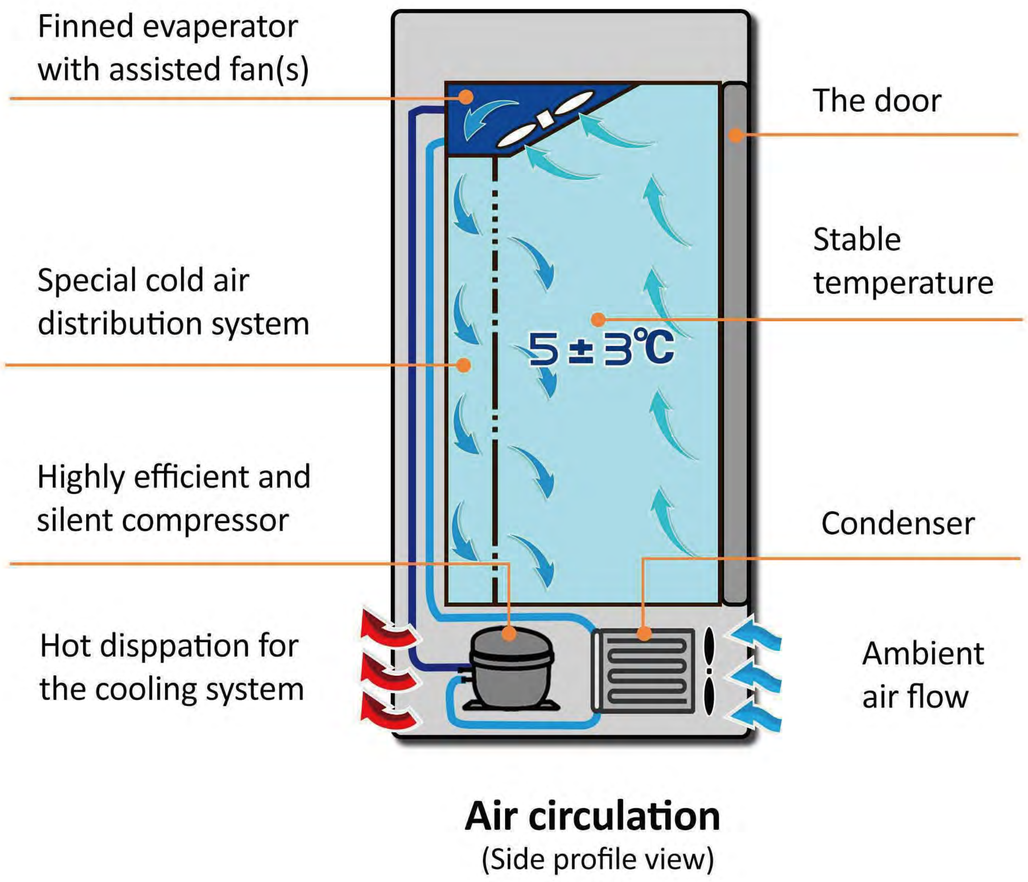

## » Fast recovery

Faster temperature recovery even after prolonged door openings. The forced-air circulation system maintains consistent temperatures, ensuring that contents are stored at the right temperature even when the unit is opened multiple times per hour.




## » Advanced air circulation

The forced-air circulation system maintains uniform chamber temperatures and provide fast temperature recovery after door openings. The units do not require a defrost cycle to maintain a constant temperature, ensuring that items are always stored at the desired temperature without interruption.

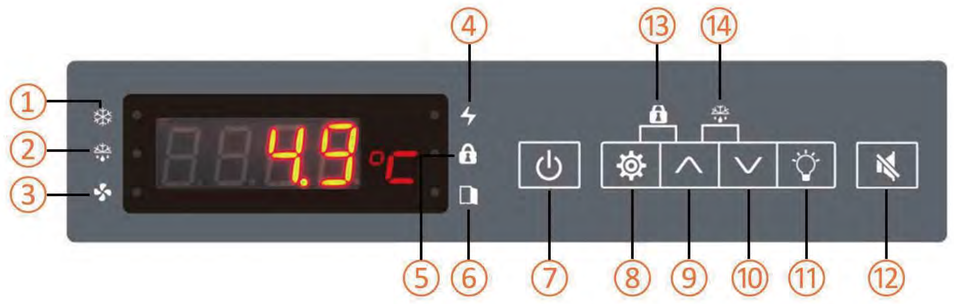



**Air circulation**
(Side profile view)

# MICROPRECESSOR CONTROLLERS

## » D06 Controller

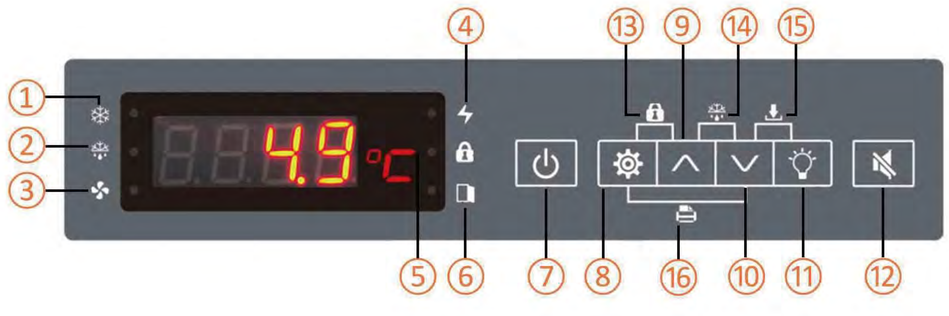
- A digital microprocessor temperature controller with LED display and a built-in alarm powers PM series models.
- The precision of display and control is 0.1℃.
- Factory pre-set to 5°C for pharmacy applications. Temperature range adjustable between 2-14 degrees.
- Alarms : High/low temperature, power failure, sensor error and door ajar.
- Extensions : Remote alarm interface.




① Cooling status indicator
② Defrost indicator
③ Fan status indicator
④ Power indicator
⑤ Keyboard lock indicator
⑥ Door open indicator
⑦ Power switch
⑧ Setting
⑨ Up
⑩ Down
⑪ Lighting
⑫ Mute
⑬ Keyboard lock (Combination)
⑭ Defrost (Combination)
⑮ Download (Combination)
⑯ Print (Combination)

## » Z06 Controller

- A digital microprocessor temperature controller with LED display and a built-in alarm powers PM series models.
- The precision of display and control is 0.1℃.
  Factory pre-set to 5°C for pharmacy applications.
- Temperature range adjustable between 2-14℃.
- Alarms : High/low temperature, power failure, sensor error, door ajar, ambient temperature, backup battery failure, condenser fault and ambient temperature
- Internal USB data logger : Temperature recording data can be exported to PDF or Excel format via built-in USB interface.
- Extensions : Remote alarm interface.




# ECO-FRIENDLY & USER-FRIENDLY

### Natural Refrigerants

Sustainable U.S. EPA, SNAP, and EU F-Gas compliant natural refrigerants and foaming agents support sustainability initiatives. The cooling system uses **R600a** or **R290** which are are environmentally friendly, having no impact on ozone depletion and a very low Global Warming Potential (GWP) grade.

### Real Frost-free

No defrost cycle required to maintain constant temperature. Experience frost-free technology with the pharmacy refrigerators featuring a unique air-cooling system, condensate auto-evaporation, and electrically heated glass doors(compatible with selected models), ensuring hassle-free maintenance and efficiency.

### High-efficiency cooling system

Operating at a low noise level while still providing efficient cooling, our advanced cooling technology offers lower energy consumption and better user experience in the hospitals and laboratories.

# MPC-5V1006 / MPC-5V656

MPC-5V656

MPC-5V1006

## FEATURES

### » Glycerine box inside

Glycerine boxes are used to simulate the actual temperature of preservations. The temperature sensor detects the temperature of the glycerin, so that the controller drives the cooling system to ensure optimal temperature stability of the chamber.

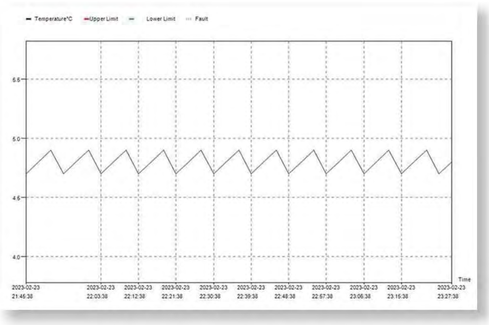
Sensor in glycerine box

### » Variable large space

The removable and height-adjustable plastic-coated wire steel shelves are capable of supporting a max weight of 25kg each.

### » High quality materials

The double-door series products are made of high-quality coated cold-rolled steel both inside and outside, anti-corrosive, and easy to clean.



Temperature fluctuation ±1℃ @ ambient 25℃

### » Lockable cabinets

The refrigerators standard equipped with a built-in lock for each door, provides a secure storage space for your preservations.

### » Electrically heated glass doors

Fog or condensation often occurs when opening and closing the door. However, this can be easily prevented with the electrically heated glass doors, which quickly evaporate any moisture.

heated glass doors with quick defogging

# MPC-5V656 / MPC-5V1006

## CONSTRUCTION

MPC-5V656

### D06 Controller
Optional Z06 controller with internal USB data logger

### Fan-assited evaporator
Highly efficient evaporator with high airflow fans

### LED illumination
Smart lighting on and off for convenient access

### Access port
Dia.25mm port for additional monitoring device

### Heated glass
Prevent fogging and condensation (for glass door only)

### Glycerine box
Precise temperature control and minimal fluctuations

### Sealing gaskets
Long-lasting magnetic sealing gasket locks in cold air

### Built-in locks
Ensures the security of your preservations

### Universal castors
Brake & leveling feet for easy movement and stable fixation

Access port
For addtional monitoring device

Evaporator fan
Quiet running and high effeciency

Adjustable shelves
Easy to remove and install

Universal castors
Easy to move and fix in place

## OPTIONAL SOLID DOORS

Soid door designs are particularly suitable for certain applications and locations. For example, if you need to store Light sensitive samplesand medicines or if you are located in a high-altitude or high-temperature and high-humidity region, soid doors can provide a better user experience.

### » Foamed doors

Made of powder coated steel, the solid doors are filled with thick PU foam(40mm) to achieve faster door opening recovery time.

### » Safer & More Eco

No risk of glass door cracking in extreme environments. With improved insulation performance, the solid door type units require lower energy consumption.

MPC-5V656A/MPC-5V1006A

# MPC-5V1500

MPC-5V1500

## FEATURES

### » Powerful air-cooled circulation

The powerful SECOP compressor and 3 evaporator fans drive strong air-circulation in the chamber, enabling temperature uniformity even in large spaces and quick recovery of temperature after opening the door.

Forced air circulation

### » Variable large space

The removable and height-adjustable plastic-coated wire steel shelves are capable of supporting a max weight of 25kg each.

### » High quality materials

Made of high-quality stainless steel both interior and exterior, which is antibacterial, anti-corrosive, and easy to clean.

Powerful cooling system

### » Lockable cabinets

The refrigerators standard equipped with a built-in lock for each door,  provides a secure storage space for your preservations.

### » Electrically heated glass doors

Fog or condensation often occurs when opening and closing the door. However, this can be easily prevented with the electrically heated glass doors, which quickly evaporate any moisture.

Heated glass doors with quick defogging

# MPC-5V1500

## CONSTRUCTION

### D06 Controller
Optional Z06 controller with internal USB data logger

### Built-in locks
Ensures the security of your preservations

### Fan-assited evaporator
Highly efficient evaporator with high airflow fans

### Heated glass door
Highly efficient evaporator with high airflow fans

### Aluminium handles
Prevent fogging and condensation (for glass door only)

### LED illumination
Smart lighting on and off for convenient access

### Sealing gaskets
Long-lasting magnetic sealing gasket locks in cold air

### Heavy duty castors
With brake for easy movement and stable fixation

Evaporator fans
Quiet running and high effeciency

LED illumination
Lighting up the entire interior space

Universal castors
Easy to move and fix in place

# MPC-5V415 / MPC-5V315

MPC-5V415

## FEATURES

### » 8 temperature sensors

Built-in with 8 sensors, including upper temperature sensor, lower temperature sensor, ambient temperature sensor, humidity sensor, temperature control/alarm sensor, condenser temperature sensor, evaporator temperature sensor, and one backup sensor.

### » Double Glycerine box

2 glycerine boxes, each equipped with a temperature sensor, are distributed in the upper and lower parts of the chamber for more precise temperature control.

### » High quality materials

Made of high-quality powder coated cold-rolled steel both interior and exterior, which is antibacterial, anti-corrosive, and easy to clean.

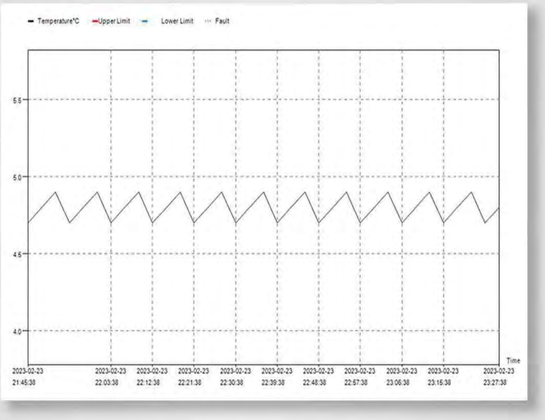
### » Internal USB data logger

For monitoring, recording and exporting temperature & alarm data through a built-in USB interface.

### » Electrically heated glass doors

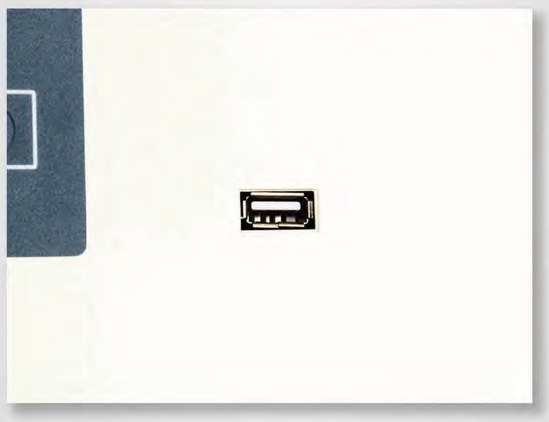
Fog or condensation often occurs when opening and closing the door. However, this can be easily prevented with the electrically heated glass doors, which quickly evaporate any moisture.

MPC-5V315



Temperature fluctuation within 1℃
@ ambient 25℃

Double glycerine box



Standard USB interface

# MPC-5V416 / MPC-5V316

MPC-5V316

MPC-5V416

## FEATURES

### » Glycerine box inside

Glycerine boxes are used to simulate the actual temperature of preservations. The temperature sensor detects the temperature of the glycerin, so that the controller drives the cooling system to ensure optimal temperature stability of the chamber.

Sensor in glycerine box

### » Variable inner space

The removable and height-adjustable plastic-coated wire steel shelves are capable of supporting a max weight of 25kg each.

### » High quality materials

The double-door series products are made of high-quality coated cold-rolled steel both inside and outside, anti-corrosive, and easy to clean.

### » Lockable cabinets

The refrigerators standard equipped with a built-in lock for each door, provides a secure storage space for your preservations.

Quick defogging with heated glass doors

### » Electrically heated glass doors

Fog or condensation often occurs when opening and closing the door. However, this can be easily prevented with the electrically heated glass doors, which quickly evaporate any moisture.

# MPC-5V315 / MPC-5V415

## CONSTRUCTION

MPC-5V415

### Z06 Controller
Standard with 8 temperature sensors

### Fan-assited evaporator
Highly efficient evaporator with high airflow fans

### Fan-assited evaporator
Highly efficient evaporator with high airflow fans

### LED illumination
Smart lighting on and off for convenient access

### Heated glass
Prevent fogging and condensation (for glass door only)

### Access port
Dia.25mm port for additional monitoring device

### Glycerine box
Precise temperature control and minimal fluctuations

### Sealing gaskets
Long-lasting magnetic sealing gasket locks in cold air

### Built-in locks x 2
Ensures the security of your preservations

### Universal castors
Brake & leveling feet for easy movement and stable fixation

Access port
For addtional monitoring device

Evaporator fan
Quiet running and high effeciency

Adjustable shelves
Easy to remove and install

Universal castors
Easy to move and fix in place

## OPTIONAL SOLID DOORS

Soid door designs are particularly suitable for certain applications and locations.

### » Foamed doors

Made of powder coated steel, the solid doors are filled with thick PU foam(40mm) to achieve faster door opening recovery time.

### » Safer & More Eco

No risk of glass door cracking in extreme environments. With improved insulation performance, the solid door type units require lower energy consumption.

MPC-5V416A

# MPC-5V312 / MPC-5V226 / MPC-5V100(A)

MPC-5V312

MPC-5V226

MPC-5V100

MPC-5V100A

## FEATURES

### » Variable inner space

The removable and height-adjustable plastic-coated wire steel shelves are capable of supporting a max weight of 25kg each.

### » Lockable cabinets

The refrigerators standard equipped with a built-in lock for eachdoor, provides a secure storage space for your preservations.

### » High quality materials

Made of high-quality coated cold-rolled steel exterior and HIPS interior, anti-corrosive, and easy to clean.

### » Frost-free

Forced-air circulation system drives the cold air distribute uniformly inside the chamber. Condensate self-evaporating design keeps the chamber free of ice and frost

# MPC-5V60G / MPC-5V60A

## Undercounter/Countertop

MPC-5V60G

MPC-5V60A

## FEATURES

### » Space-saving

Designed to be compact and space-efficient, making them ideal for small medical facilities or clinics with limited space, freeing up valuable floor space

### » Variable inner space

The removable and height-adjustable plastic-coated wire steel shelves are capable of supporting a max weight of 25kg each.

### » Lockable cabinets

The refrigerators standard equipped with a built-in lock for eachdoor,  provides a secure storage space for your preservations.

### » High quality materials

The double-door series products are made of high-quality coated cold-rolled steel both inside and outside, anti-corrosive, and easy to clean.

# PHARMACY REFRIGERATOR

## SPECIFICATION SHEET

| | Model | MPC-5V60G | MPC-5V100 | MPC-5V100-TS1 | MPC-5V226 |
|---|---|---|---|---|---|
| Spesifications | Shelf/drawer | Shelves/2 | Shelves/3 | Shelves/3 | Shelves/4 |
| | Cooling method | Forced Air Cooling System | Forced Air Cooling | Forced Air Cooling | Forced Air Cooling |
| | Defrost | Auto | Auto | Auto | Auto |
| | Refrigerant Type | R600a | R600a | R600a | R600a |
| | Refrigerant Weight(g) | 26 | | | 116 |
| | Power consumption(kWh/24h) | 0.84 | | 0.53 | 3.47 |
| | Noise（db) | 50 | 50 | 50 | 50 |
| | Ambient temperature（℃） | 10~32℃ | 10~32℃ | 10~32℃ | 10~32℃ |
| | Temperature range（℃） | 2~8℃ | 2~8℃ | 2~8℃ | 2~8℃ |
| Cooling system | Compressor brand/QTY | China Brand/1 | China Brand/1 | China Brand/1 | China Brand/1 |
| | Sensor Type | NTC | NTC | NTC | NTC |
| | Temperature controller | Microprocessor | Microprocessor | Microprocessor | Microprocessor |
| | Display | Digital display | Digital display | Digital display | Digital display |
| Power | Voltage/frequency（V/Hz) | 220/50Hz | 220/50Hz | 220/50Hz | 220/50Hz |
| | Power（W) | 75 | 80W | 91 | 221 |
| | Current（A) | 0.59A | 0.8A | 0.8A | 1.4 |
| Materials | Inside material | Spray coated steel | HIPS | HIPS | Blister liner |
| | Outside material | Spray coated steel | Spray coated steel | Spray coated steel | Spray coated steel |
| | Insulation | PURF | PURF | PURF | PURF |
| Measurement | Capacity（L/cu.ft) | 60/2.11 | 100/3.53 | 100/3.53 | 226L |
| | NT./GT.（kg) | 33/37 | 35/38 | 30/33 | 73/76kg |
| | Exterior size(W*D*H)(mm) | 490×440×710 | 505*510*875 | 505*525*900 | 625×574×1707 |
| | Interior size(W*D*H)(mm) | 410*315*560 | 385*356*737 | 385*356*737 | 534*406*1150 |
| | Package size(W*D*H)(mm) | 558*508*757 | 580*580*940 | 580*580*940 | 707*676*1745 |
| | CBM | 0.2162808 | 0.32 | 0.32 | 0.91285012 |
| | 20GP/40GP/40HQ | 132/276/276 | 80/160/160 | 80/160/160 | 24/51/51 |
| Alarms | High/low temperature | Y | Y | Y | Y |
| | Power failure | Y | Y | Y | Y |
| | Thermostat failure | Y | Y | Y | Y |
| | Backup battery failure alarm | / | / | / | / |
| | Condenser fault alarm | / | / | / | / |
| | Ambient Temperatures | / | / | / | / |
| | Voltage abnormality alarm | / | / | / | / |
| | Door ajar | Y | Y | Y | Y |
| | System abnormal alarm | / | / | / | / |
| | Power failure backup | 8h | 10h | 10h | 8h |
| | Foot | Y | Y | Y | Y |
| | Castor | / | Y | Y | Y |
| | Outer door/Type | 1/Glass/Low-E | 1/Heating glass door | 1/Foaming door | 1/Heating glass door |
| | Door Lock | 1 | 1 | 1 | 1 |
| | Test hole QTY/diameter | 1/25mm | / | / | 1/25mm |
| | Lamp | LED | LED | LED | LED |
| | USB port | optional | / | / | Optional |
| | Temperature recorder | Optional Datalooger | Optional Datalooger | Optional Datalooger | Optional Datalooger |
| | Remote alarm port | Y | / | / | Y |
| | RS232/485 port | / | / | / | Optional |
| | Certification | ISO9001/13485/14001;CE | ISO9001/13485/14001;CE | ISO9001/13485/14001;CE | ISO9001/13485/14001 |

# PHARMACY REFRIGERATOR

## SPECIFICATION SHEET

| | Model | MPC-5V312 | MPC-5V316 | MPC-5V315 | MPC-5V415 |
|---|---|---|---|---|---|
| Spesifications | Shelf/drawer | Shelves/5 | Shelves/5 | Shelves*6/Basket*1 | Shelves*6/Basket*1 |
| | Cooling method | Forced Air Cooling | Forced Air Cooling | Forced Air Cooling | Forced Air Cooling |
| | Defrost | Auto | Auto | Auto | Auto |
| | Refrigerant Type | R290 | R290 | R290 | R290 |
| | Refrigerant Weight(g) | 100 | 40 | 40 | 48 |
| | Power consumption(kWh/24h) | 3.63 | 3.63 | 3.33 | 4.23 |
| | Noise（db) | 50 | 50 | 50 | 50 |
| | Ambient temperature（℃） | 10~32℃ | 10~32℃ | 10~32℃ | 10~32℃ |
| | Temperature range（℃） | 2~8℃ | 2~8℃ | 2~8℃ | 2~8℃ |
| Cooling system | Compressor brand/QTY | China Brand/1 | China Brand/1 | China Brand/1 | China Brand/1 |
| | Sensor Type | NTC | NTC | NTC | NTC |
| | Temperature controller | Microprocessor | Microprocessor | Microprocessor | Microprocessor |
| | Display | Digital display | Digital display | Digital display | Digital display |
| Power | Voltage/frequency（V/Hz) | 220/50Hz | 220/50Hz | 220/50Hz | 220/50Hz |
| | Power（W) | 312 | 286 | 294W | 330W |
| | Current（A) | 1.64 | 1.62 | 1.71 | 1.94 |
| Materials | Inside material | Blister liner | Spray coated steel | Spray coated steel | Spray coated steel |
| | Outside material | Spray coated steel | Spray coated steel | Spray coated steel | Spray coated steel |
| | Insulation | PURF | PURF | PURF | PURF |
| Measurement | Capacity（L/cu.ft) | 312/11.02 | 316/11.15 | 316/11.15 | 416/14.69 |
| | NT./GT.（kg) | 86/90 | 101/112 | 92.5/100 | 120/146 |
| | Exterior size(W*D*H)(mm) | 650*624*1902 | 640×554×1925 | 640×554×1925 | 785×552×1927 |
| | Interior size(W*D*H)(mm) | 560*485*1350 | 540*425*1380 | 540*425*1380 | 685*429*1380 |
| | Package size(W*D*H)(mm) | 710*680*1960 | 704*637*2000 | 704*637*2000 | 880*640*2100 |
| | CBM | 0.95 | 0.895168 | 0.895168 | 1.224195 |
| | 20GP/40GP/40HQ | 24/48/48 | 27/54/54 | 27/54/54 | 18/39/39 |
| Alarms | High/low temperature | Y | Y | Y | Y |
| | Power failure | Y | Y | Y | Y |
| | Thermostat failure | Y | Y | Y | Y |
| | Backup battery failure alarm | / | / | Y | Y |
| | Condenser fault alarm | / | / | Y | Y |
| | Ambient Temperatures | / | / | Y | Y |
| | Voltage abnormality alarm | / | / | / | / |
| | Door ajar | Y | Y | Y | Y |
| | System abnormal alarm | / | / | / | / |
| | Power failure backup | 8h | 8h | 72h | 72h |
| Accessories | Foot | Y | Y | Y | Y |
| | Castor | Y | Y | Y | Y |
| | Outer door/Type | 1/Heating glass door | 1/Heating glass door | 1/Heating glass door | 1/Heating glass door |
| | Door Lock | 1 | 1 | 1 | 1 |
| | Test hole QTY/diameter | 1 | 1/25mm | 1/25mm | 1/25mm |
| | Lamp | LED | LED | LED | LED |
| | USB port | / | Optional | Y | Y |
| | Temperature recorder | Optional Datalooger | Optional Datalooger | Optional Datalooger | Optional Datalooger |
| | Remote alarm port | Y | Y | Y | Y |
| | RS232/485 port | Optional | Optional | Y | Y |
| | Certification | ISO9001/13485/14001 | ISO9001/13485/14001;CE | ISO9001/13485/14001;CE | ISO9001/13485/14001;CE |

# PHARMACY REFRIGERATOR

## SPECIFICATION SHEET

| | Model | MPC-5V416 | MPC-5V416EX | MPC-5V656 | MPC-5V656A |
|---|---|---|---|---|---|
| Spesifications | Shelf/drawer | Shelves/5 | Shelves/5 | Shelves/10 | Shelves/10 |
| | Cooling method | Forced Air Cooling | Forced Air Cooling | Forced Air Cooling | Forced Air Cooling |
| | Defrost | Auto | Auto | Auto | Auto |
| | Refrigerant Type | R290 | R290 | R290 | R290 |
| | Refrigerant Weight(g) | 48 | 48g | 84 | 84 |
| | Power consumption(kWh/24h) | 4.23 | 2.8 | 5.8 | 3.1 |
| | Noise（db) | 50 | 50 | 52 | 52 |
| | Ambient temperature（℃） | 10~32℃ | 10～32℃ | 10~32℃ | 10~32℃ |
| | Temperature range（℃） | 2~8℃ | 2~8℃ | 2~8℃ | 2~8℃ |
| Cooling system | Compressor brand/QTY | China Brand/1 | China Brand/1 | China Brand/1 | China Brand/1 |
| | Sensor Type | NTC | NTC | NTC | NTC |
| | Temperature controller | Microprocessor | Microprocessor | Microprocessor | Microprocessor |
| | Display | Digital display | LED display | Digital display | Digital display |
| Power | Voltage/frequency（V/Hz) | 220/50Hz | 220/50Hz | 220/50Hz | 220/50Hz |
| | Power（W) | 330 | 283W | 403W | 310 |
| | Current（A) | 1.85 | / | 2.39 | 2.1A |
| Materials | Inside material | Spray coated steel | 304SUS | Spray coated steel | Spray coated steel |
| | Outside material | Spray coated steel | Spray coated steel | Spray coated steel | Spray coated steel |
| | Insulation | PURF | PURF | PURF | PURF |
| Measurement | Capacity（L/cu.ft) | 416/14.69 | 416 | 656/23.16 | 656/23.16 |
| | NT./GT.（kg) | 120/146 | 130/137 | 166/184 | 154/170 |
| | Exterior size(W*D*H)(mm) | 785×552×1927 | 785*552*1927 | 1220*630*1885 | 1220*635*1885 |
| | Interior size(W*D*H)(mm) | 685*429*1380 | 685*429*1380 | 1100*454*1325 | 1100*454*1325 |
| | Package size(W*D*H)(mm) | 880*640*2100 | 890*650*2100 | 1280*670*1950 | 1280*670*1950 |
| | CBM | 1.224195 | 1.224195 | 1.8957 | 1.8957 |
| | 20GP/40GP/40HQ | 18/39/39 | 18/39/39 | 12/27/27 | 12/27/27 |
| Alarms | High/low temperature | Y | Y | Y | Y |
| | Power failure | Y | Y | Y | Y |
| | Thermostat failure | Y | Y | Y | Y |
| | Backup battery failure alarm | / | / | / | / |
| | Condenser fault alarm | / | / | / | / |
| | Ambient Temperatures | / | / | / | / |
| | Voltage abnormality alarm | / | / | / | / |
| | Door ajar | Y | Y | Y | Y |
| | System abnormal alarm | / | / | / | / |
| | Power failure backup | 8h | 8h | 8h | 8h |
| Accessories | Foot | Y | Y | / | / |
| | Castor | Y | Y | Y | Y |
| | Outer door/Type | 1/Heating glass door | 1/ Solid Door | 2/Heating glass door | 2/ Foaming door |
| | Door Lock | 1 | 1 | 2 | 2 |
| | Test hole QTY/diameter | 1/25mm | 1/25mm | 1/25mm | 1/25mm |
| | Lamp | LED | LED | LED | LED |
| | USB port | Optional | / | Optional | Optional |
| | Temperature recorder | Optional Datalooger | Optional Datalooger | Optional chart recoder | Optional logger/chart |
| | Remote alarm port | Y | Y | Y | Y |
| | RS232/485 port | Optional | Optional | Optional | / |
| | Certification | ISO9001/13485/14001;CE | IECEx certificate | ISO9001/13485/14001;CE | ISO9001/13485/14001;CE |

# PHARMACY REFRIGERATOR

## SPECIFICATION SHEET

| | Model | MPC-5V1006 | MPC-5V1500 | MPC-5V516DL | MPC-5V516ADL |
|---|---|---|---|---|---|
| Spesifications | Shelf/drawer | Shelves/10 | Shelves/12 | Shelves/6 | Shelves/6 |
| | Cooling method | Forced Air Cooling | Forced Air Cooling | Forced Air Cooling | Forced Air Cooling |
| | Defrost | Auto | Auto | Auto | Auto |
| | Refrigerant Type | R290 | R134a | R600a | R600a |
| | Refrigerant Weight(g) | 84 | | each 62g | each 62g |
| | Power consumption(kWh/24h) | 5.6 | 14.42 | 4.8 | 3.9 |
| | Noise（db) | 53 | 55 | 50db | 50db |
| | Ambient temperature（℃） | 10~32℃ | 10～32℃ | 10～32℃ | 10～32℃ |
| | Temperature range（℃） | 2~8℃ | 2~8℃ | 2~8℃ | 2~8℃ |
| Cooling system | Compressor brand/QTY | China Brand/1 | Secop/1 | EMBRACO/2 | EMBRACO/2 |
| | Sensor Type | NTC | NTC | NTC | NTC |
| | Temperature controller | Microprocessor | Microprocessor | Microprocessor | Microprocessor |
| | Display | Digital display | Digital display | LCD display | LCD display |
| Power | Voltage/frequency（V/Hz) | 220/50Hz | 220/50Hz | 220/50Hz | 220/50Hz |
| | Power（W) | 400W | 1065 | 418 | 350W |
| | Current（A) | 2.15A | 5.64 | 1.9 | 2.1A |
| Materials | Inside material | Spray coated steel | stainless steel | Spray coated steel | Spray coated steel |
| | Outside material | Spray coated steel | stainless steel | Spray coated steel | Spray coated steel |
| | Insulation | PURF | PURF | PURF | PURF |
| Measurement | Capacity（L/cu.ft) | 1006/35.52 | 1500/52.97 | 516 | 516 |
| | NT./GT.（kg) | 189/213 | 245/280 | 155/172 | 140/175 |
| | Exterior size(W*D*H)(mm) | 1220×860×1885 | 1800*775*1965 | 695*794*1993 | 695*794*1993 |
| | Interior size(W*D*H)(mm) | 1100*684*1325 | 1680*595*1312 | 595*641*1475 | 595*641*1475 |
| | Package size(W*D*H)(mm) | 1280*900*1950 | 1940×880×2035 | 760*870*2115 | 755*855*2115 |
| | CBM | 2.52315 | 3.31444 | 1.37 | 1.37 |
| | 20GP/40GP/40HQ | 8/18/18 | 6/14/14 | 18/39/39 | 18/39/39 |
| Alarms | High/low temperature | Y | Y | Y | Y |
| | Power failure | Y | Y | Y | Y |
| | Thermostat failure | Y | Y | Y | Y |
| | Backup battery failure alarm | / | / | / | / |
| | Condenser fault alarm | / | / | Y | Y |
| | Ambient Temperatures | / | / | Y | Y |
| | Voltage abnormality alarm | / | / | / | / |
| | Door ajar | Y | Y | Y | Y |
| | System abnormal alarm | / | / | Y | Y |
| | Power failure backup | 8h | 8h | 48H | 48H |
| Accessories | Foot | / | / | 2 | 2 |
| | Castor | Y | Y | Y | Y |
| | Outer door/Type | 2/Heating glass door | 3/Heating Glass door | 1/Foam electric heating | 1/CFC-free high-density |
| | Door Lock | 2 | 3 | 1 | 1 |
| | Test hole QTY/diameter | 1/25mm | Optional | 1/25mm | 1/25mm |
| | Lamp | LED | LED | LED | LED |
| | USB port | Optional | Optional | Y | Y |
| | Temperature recorder | Optional chart recoder | Optional chart recoder | Optional Datalooger | Optional Datalooger |
| | Remote alarm port | Y | Y | Y | Y |
| | RS232/485 port | Optional | Optional | Y | Y |
| | Certification | ISO9001/13485/14001;CE | ISO9001,13485,14001,CE | ISO9001,13485,14001,CE | ISO9001,13485,14001,CE |

# PHARMACY REFRIGERATOR

## SPECIFICATION SHEET

| | Model | MPC-5V1106DL | MPC-5V1106ADL | | |
|---|---|---|---|---|---|
| Spesifications | Shelf/drawer | Shelves/14 | Shelves/14 | | |
| | Cooling method | Forced Air Cooling | Forced Air Cooling | | |
| | Defrost | Auto | Auto | | |
| | Refrigerant Type | R600a | R600a | | |
| | Refrigerant Weight(g) | each 84g | each 84g | | |
| | Power consumption(kWh/24h) | 9.1 | 5 | | |
| | Noise（db) | 50db | 50db | | |
| | Ambient temperature（℃） | 10～32℃ | 10～32℃ | | |
| | Temperature range（℃） | 2~8℃ | 2~8℃ | | |
| Cooling system | Compressor brand/QTY | EMBRACO/2 | EMBRACO/2 | | |
| | Sensor Type | NTC | NTC | | |
| | Temperature controller | Microprocessor | Microprocessor | | |
| | Display | LCD display | LCD display | | |
| Power | Voltage/frequency（V/Hz) | 220/50Hz | 220/50Hz | | |
| | Power（W) | 600 | 550W | | |
| | Current（A) | 2.98 | 3.1A | | |
| Materials | Inside material | Spray coated steel | Spray coated steel | | |
| | Outside material | Spray coated steel | Spray coated steel | | |
| | Insulation | PURF | PURF | | |
| Measurement | Capacity（L/cu.ft) | 1106 | 1106 | | |
| | NT./GT.（kg) | 195/218 | 185/208 | | |
| | Exterior size(W*D*H)(mm) | 1325*886*1989 | 1325*794*1989 | | |
| | Interior size(W*D*H)(mm) | 1225*641*1562 | 1225*641*1562 | | |
| | Package size(W*D*H)(mm) | 1390*855*2120 | 1390*855*2115 | | |
| | CBM | 2.52 | 2.52 | | |
| | 20GP/40GP/40HQ | 10/21/21 | 10/21/21 | | |
| Alarms | High/low temperature | Y | Y | | |
| | Power failure | Y | Y | | |
| | Thermostat failure | Y | Y | | |
| | Backup battery failure alarm | / | / | | |
| | Condenser fault alarm | Y | Y | | |
| | Ambient Temperatures | Y | Y | | |
| | Voltage abnormality alarm | / | / | | |
| | Door ajar | Y | Y | | |
| | System abnormal alarm | Y | Y | | |
| | Power failure backup | 48H | 48H | | |
| Accessories | Foot | 2 | 2 | | |
| | Castor | Y | Y | | |
| | Outer door/Type | 2/Foam electric heating | 2/CFC-free high-density | | |
| | Door Lock | 2 | 2 | | |
| | Test hole QTY/diameter | 1/25mm | 1/25mm | | |
| | Lamp | LED | LED | | |
| | USB port | Y | Y | | |
| | Temperature recorder | Optional Datalooger | Optional Datalooger | | |
| | Remote alarm port | Y | Y | | |
| | RS232/485 port | Y | Y | | |
| | Certification | ISO9001,13485,14001,CE | ISO9001,13485,14001,CE | | |

# ACCESSORIES

## OPTIONAL ACCESSORIES

### 110V power system

Compatibility with 110V power is achieved for the refrigerator by either modifying the compressor or utilizing an additional transformer.

### Voltage stabilizer

Stabilize the input voltage of a power source to protect refrigerators from the effects of voltage fluctuations.

### Data Logger (TLOG-100EC)

DLW-100EC is an independent monitoring device that records the realtime temperature and provides the necessary alarmsto protect your preservations.

### 4G/Wifi Data Logger (RCW-360P)

A networked device that can upload real-time temperature data to the cloud. Users can monitor and manage the data through the mobile app or web-based cloud platform.

### 6’’ Temperature Chart Recorder

The chart recorder provides an easy-to-read graph of data vs time. It is a reliable, accurate, and stable instrument, for on-the-spot written documentation of freezer chamber temperature.

### 3Q qualification

Provides documentation for Installation and Operational Qualifications (IQ/OQ), as well as an outline of suggested topics for performance qualification (PQ).

### TEMP&RH% controllers

Displays real-time humidity in the chamber and additional humidity sensor inside.

### Additional shelves

More shelves can be provided to meet the diverse needs of customers.

### Printer

Built-in thermo printer or Dot matrix printer could be provided to record and print the real-time temperatures.

### Internal water proof socket

Provide power to other electrical equipment placed in the refrigerator

### SS exterior and interior

For customers who need stainless steel materials, there is a special cabinet customization

### Enhanced Packaging

The standard packaging is cardboard. Stronger packaging is also provided - plywood packaging.