

MEDICAL GRADE

S TEMP CONTROL SPECIALIST











Safe

Forced air

Stable

CFC-free

Alarms



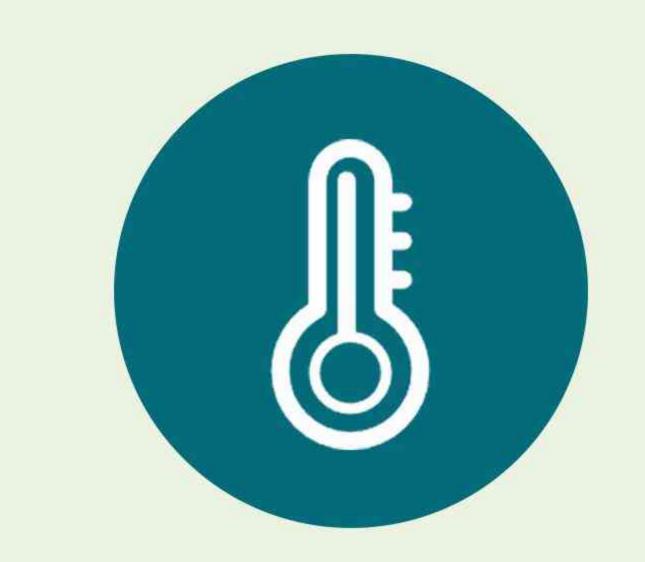






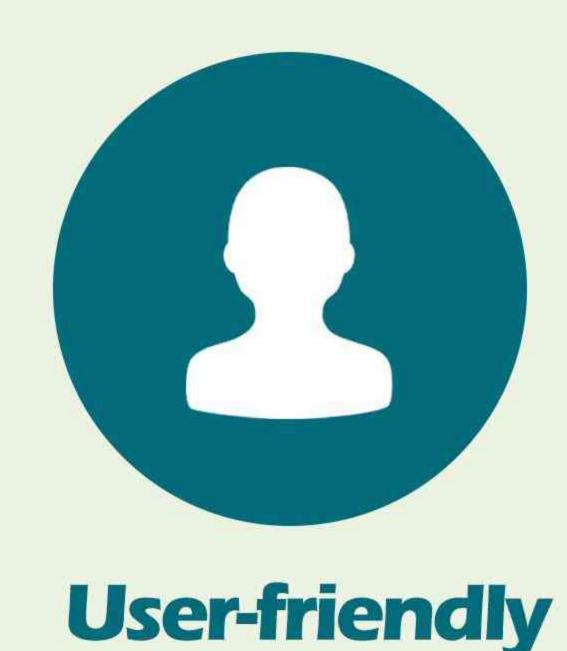


to safeguard patient samples and ensure medications remain effcacious.



Presice temp control

to ensure stable and accurate temperatures in the chamber



to bring convenience and easy maintenance tousers



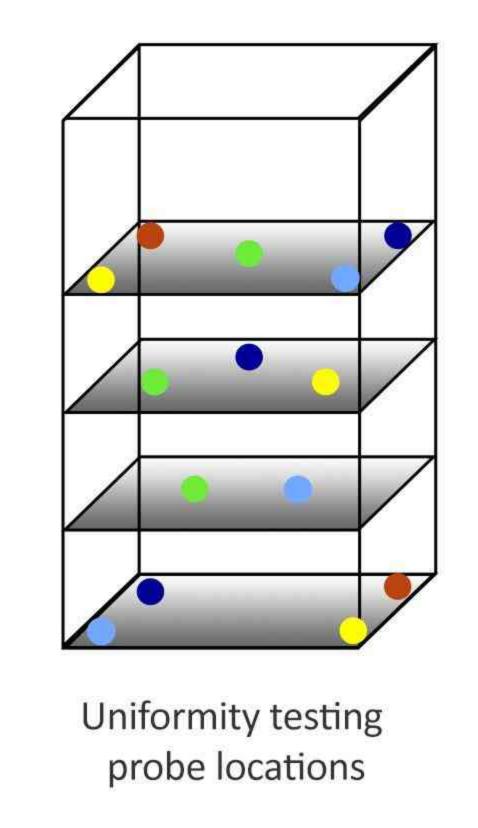
to reduce operating costs, privide a quiet working environment and support sustainability initiatives

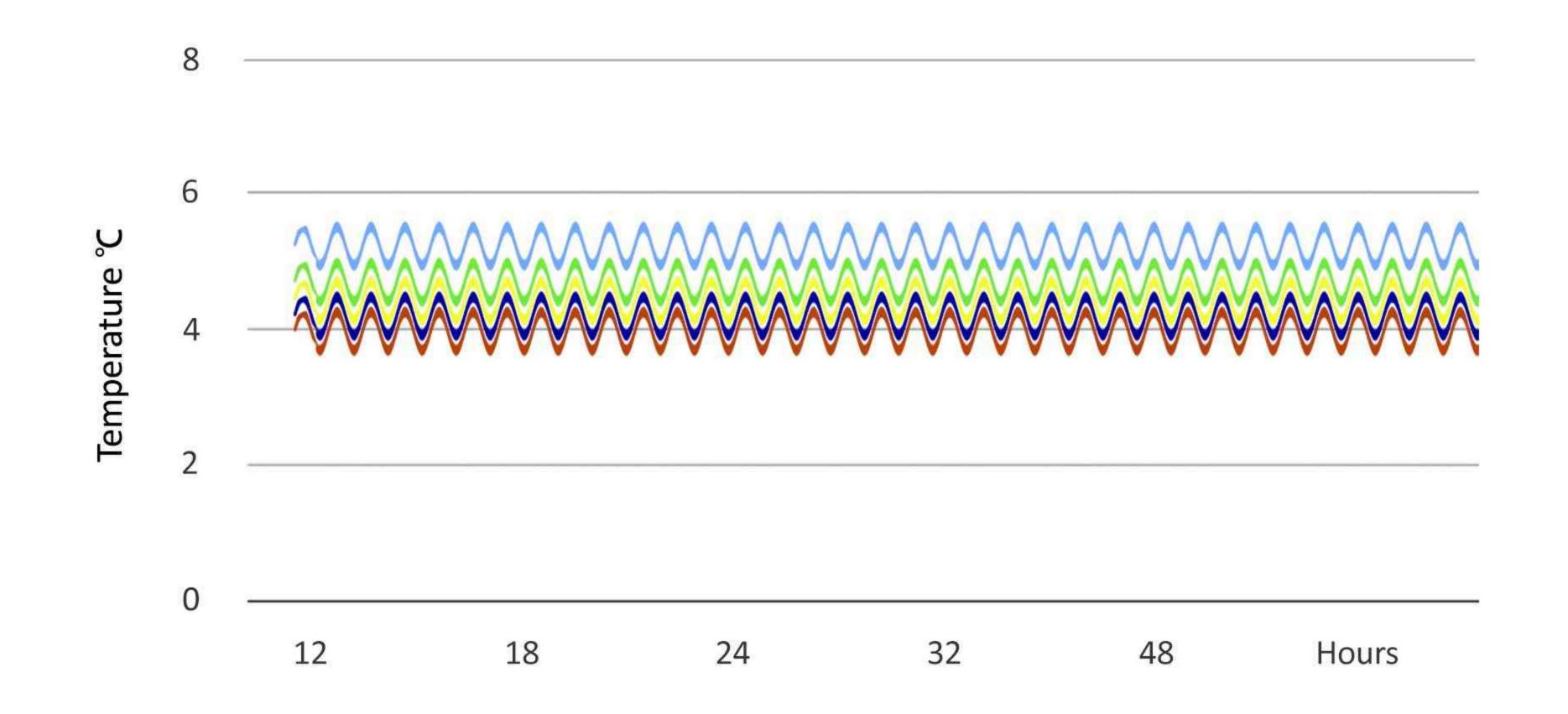


TEMPERATURE CONTROL TECHNOLOGY

>> Ultimate uniformity

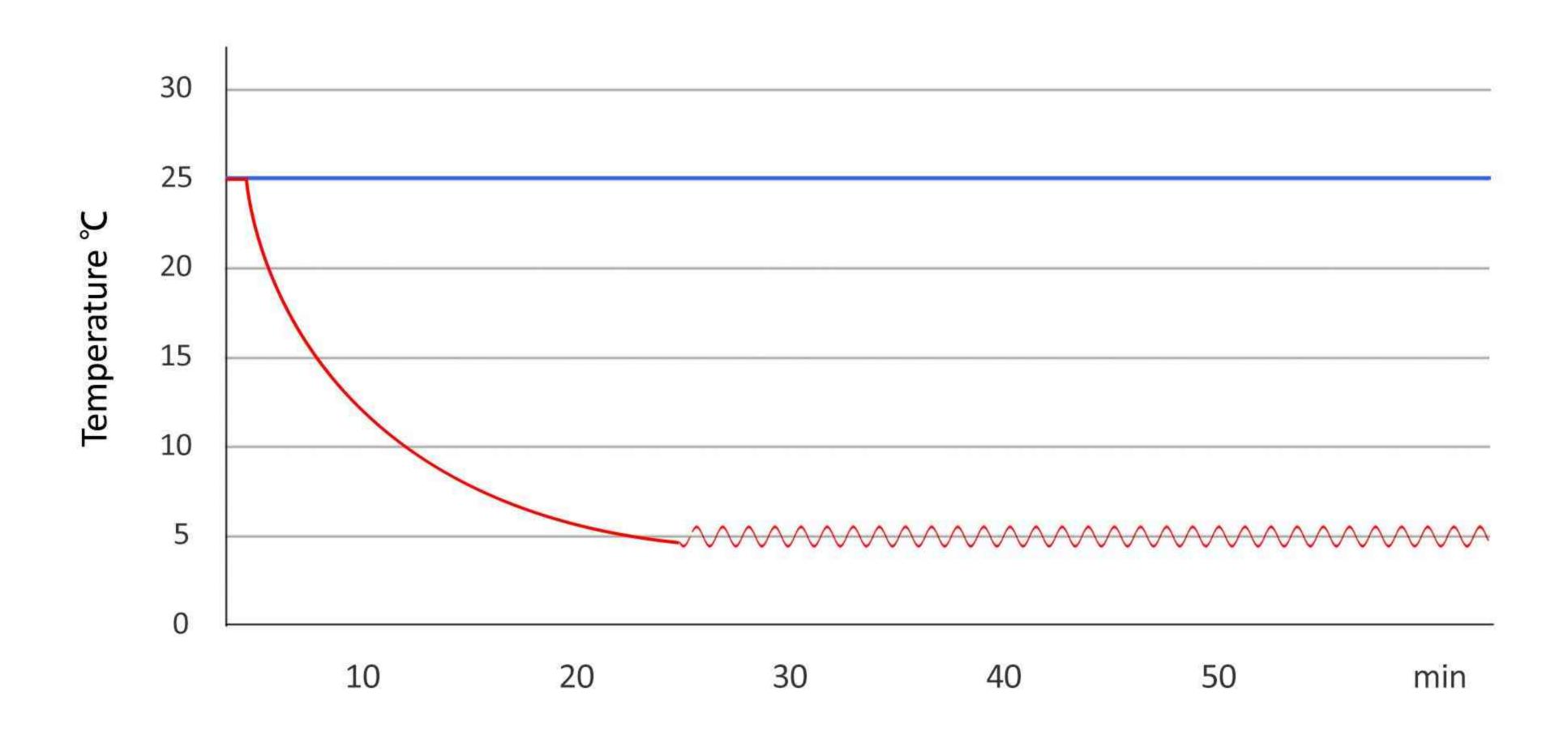
The chamber maintain temperatures within +/-1°C throughout the entire compartment, ensuring confidence that items are stored at the correct temperature regardless of their placement in the chamber.





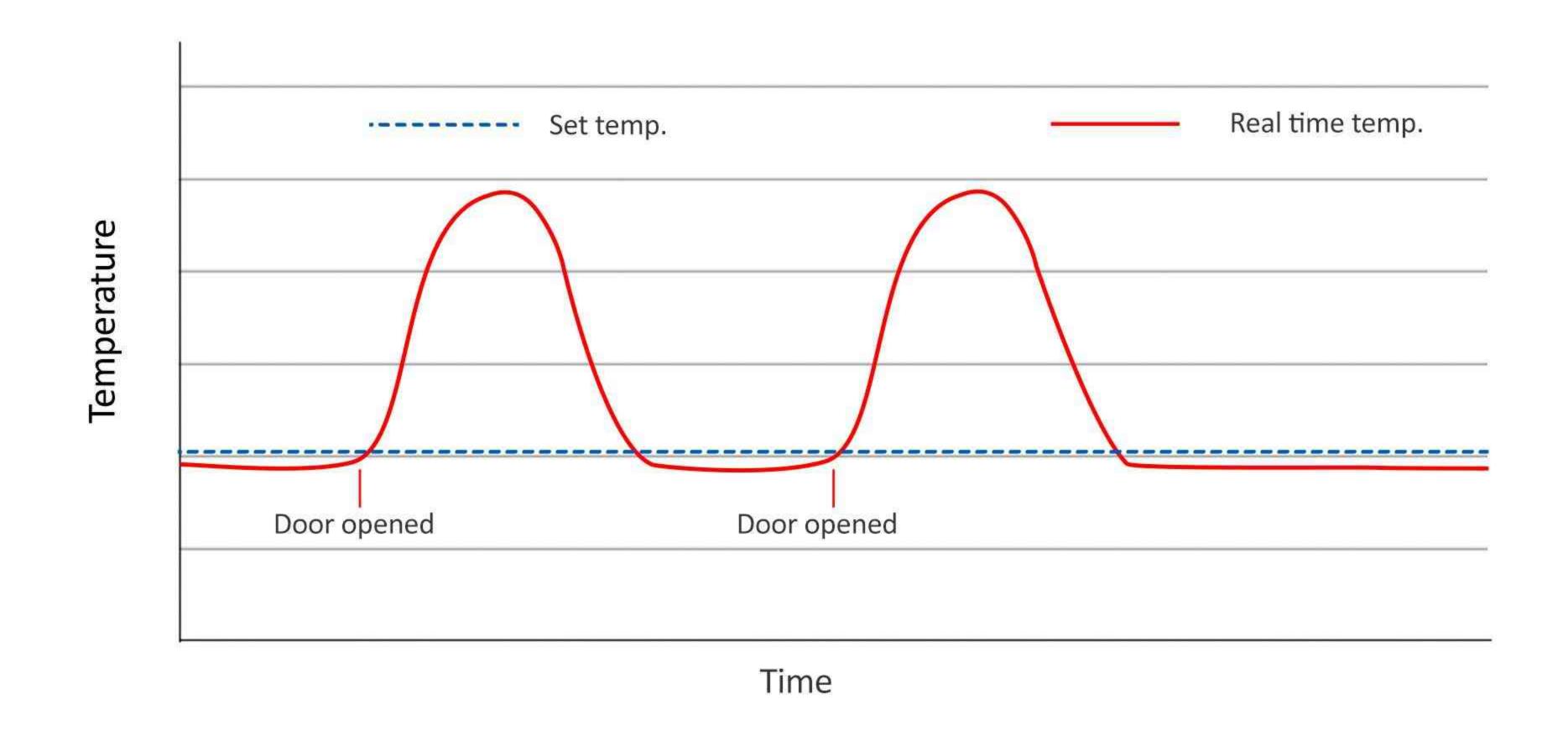
>> Optimized fluctuation

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.



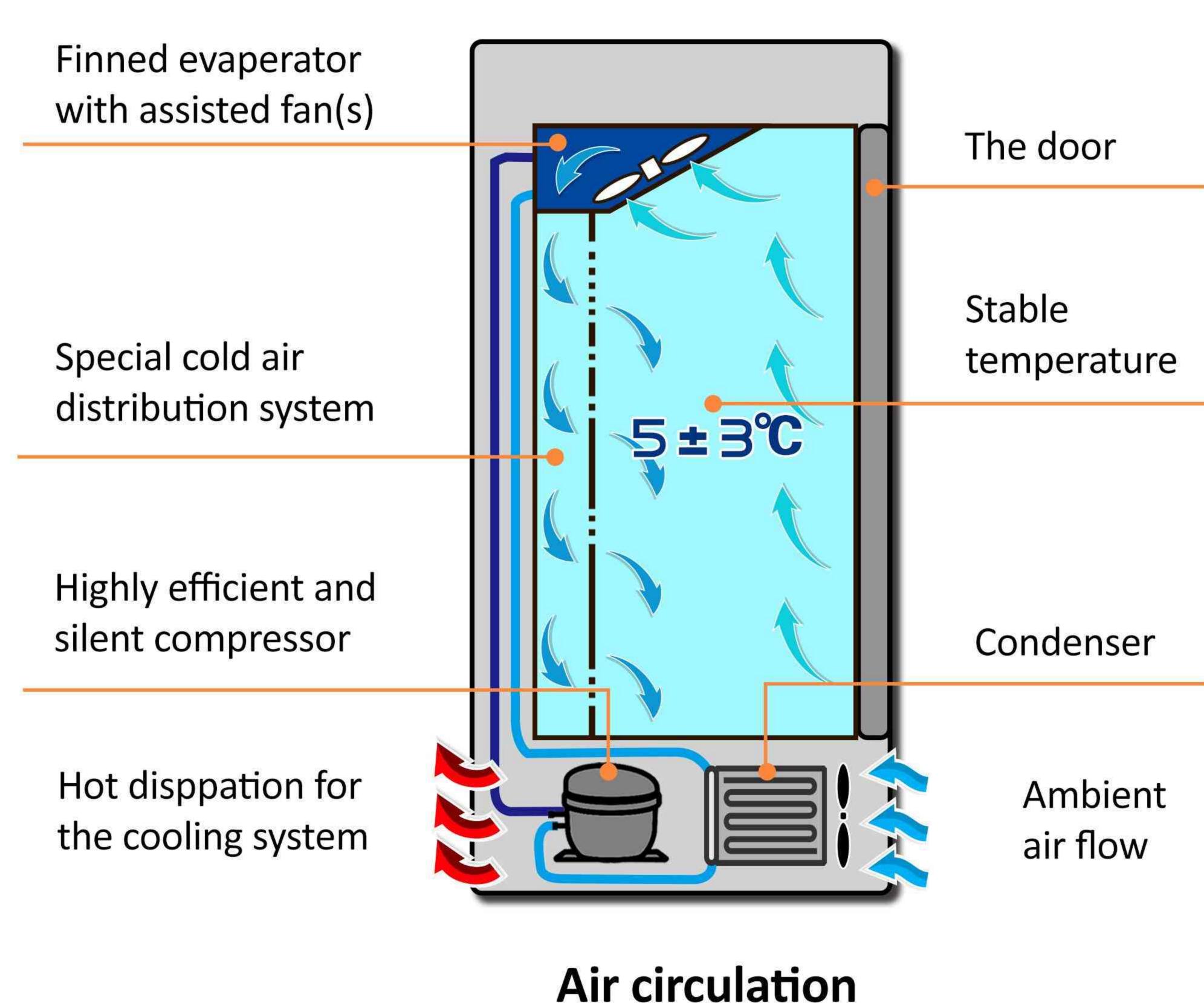
>>> Fast recovery

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.





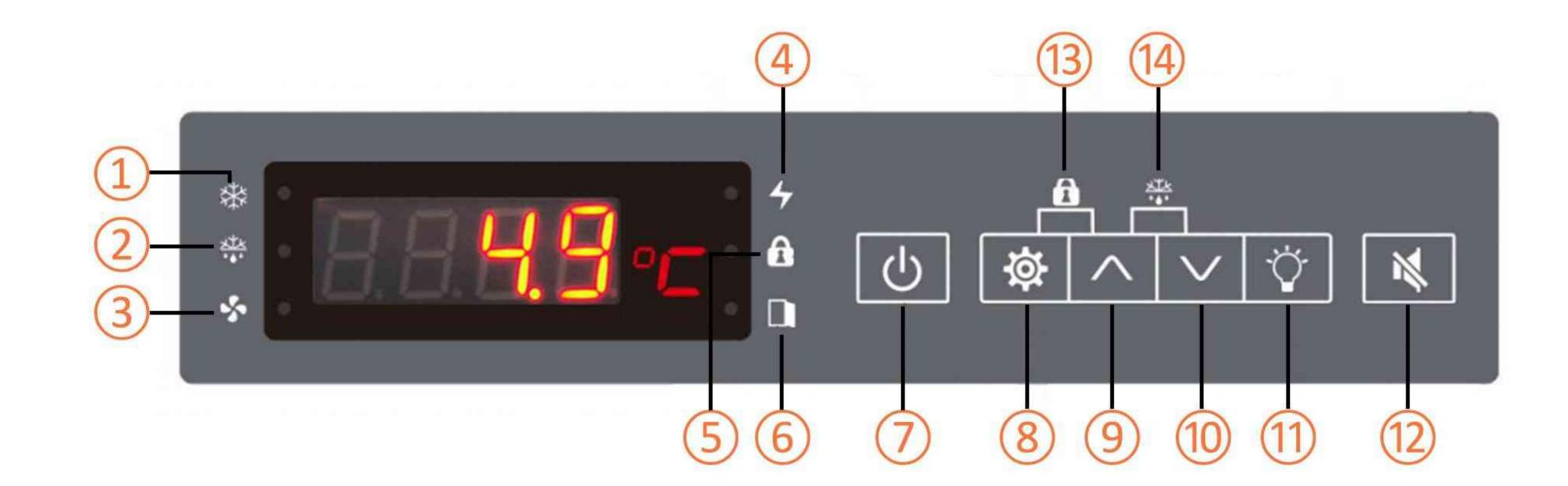
MICROPRECESSOR CONTROLLERS

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°C.
- 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.

206 Controller

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- The precision of display and control is 0.1°C. Factory pre-set to 5°C for pharmacy applications.
- Temperature range adjustable between 2-14°C.
- 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.



- Cooling status indicator (7) Power switch
- Keyboard lock (Combination)

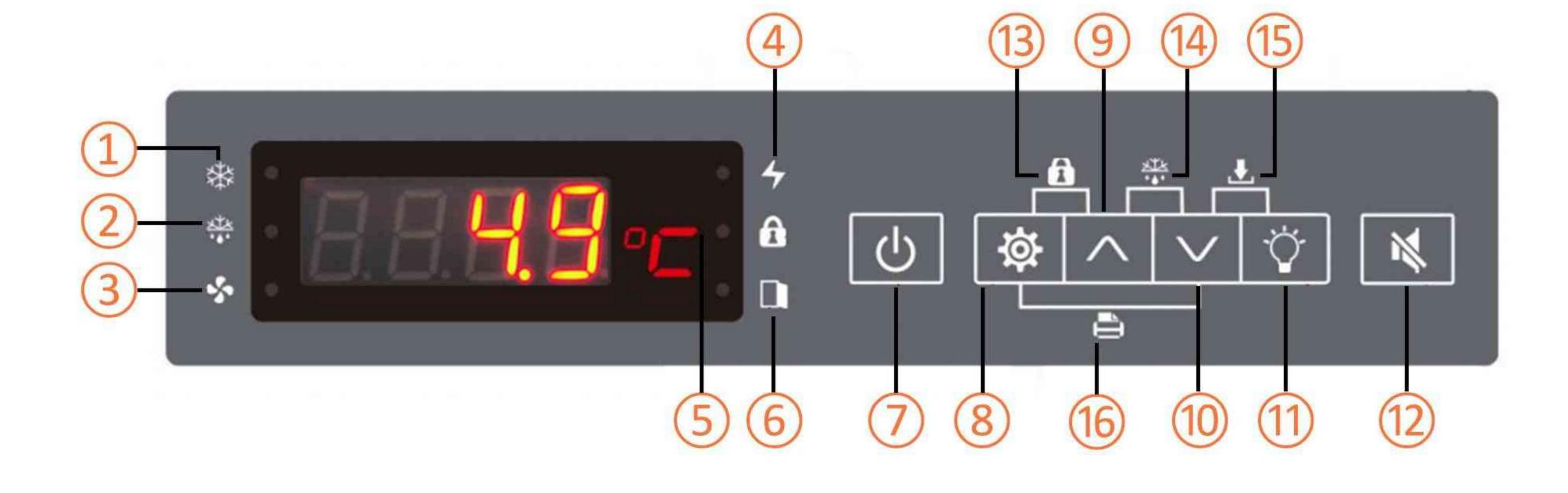
- Defrost indicator
- Setting
- Defrost (Combination)

- Fan status indicator
- (9)

Up

Download (Combination)

- Power indicator
 - Down Keyboard lock indicator (11) Lighting
- Print (Combination)
- Door open indicator
- (12) Mute



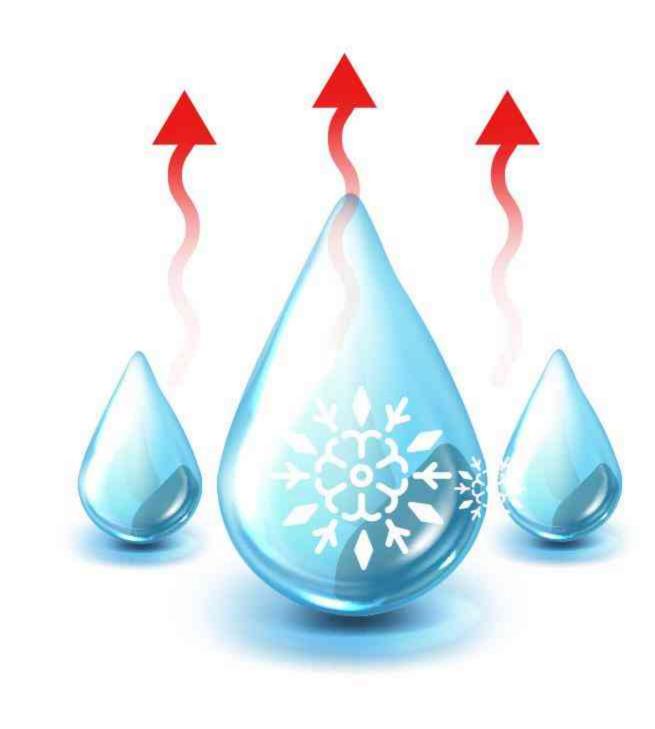


ECO-FRIENDLY & USER-FRIENDLY



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.

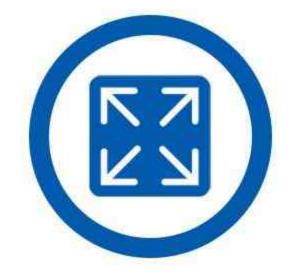
MPC-5V1006/MPC-5V656







MPC-5V I 006



EAIL RES

>> 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.

>> 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, which is antibacterial, anti-corrosive, and easy to clean.

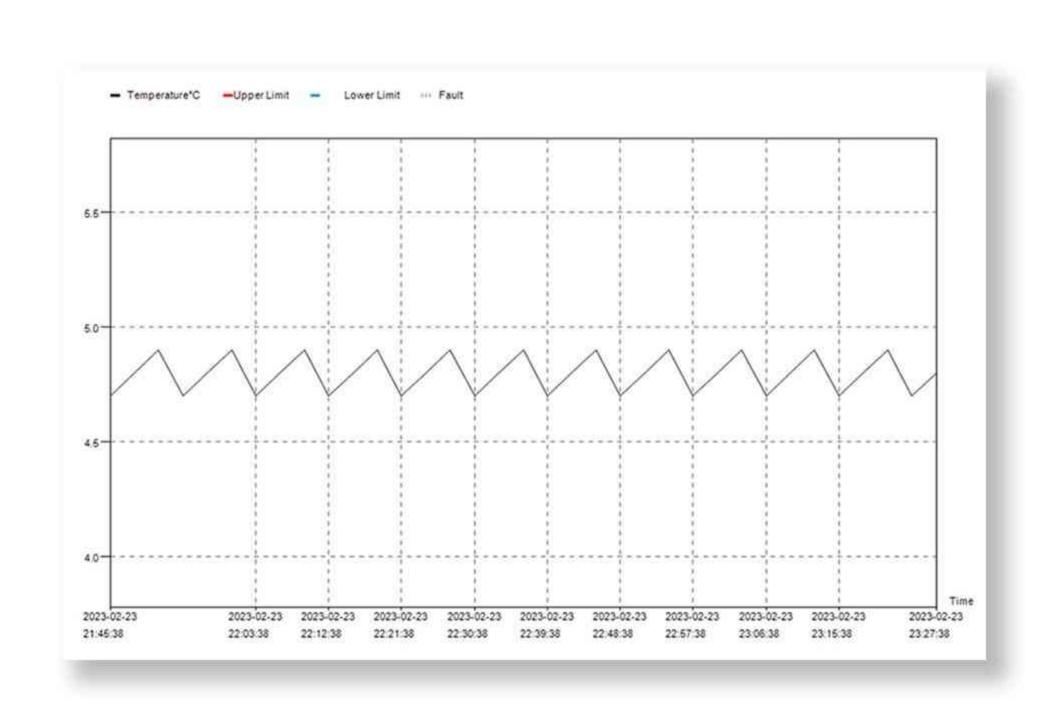
>>> Lockable cabinets

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

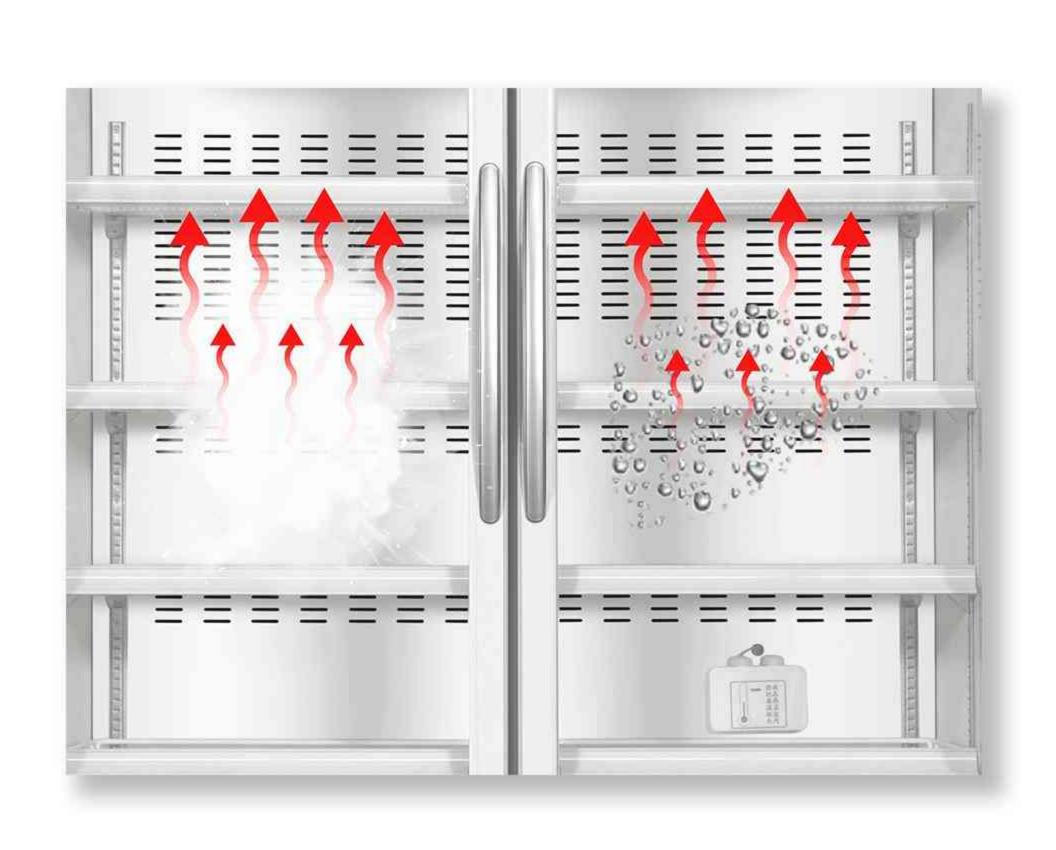
>>> Electrically heated glass doors



Sensor in glycerine box



Temperature fluctuation ±1℃ @ ambient 25℃

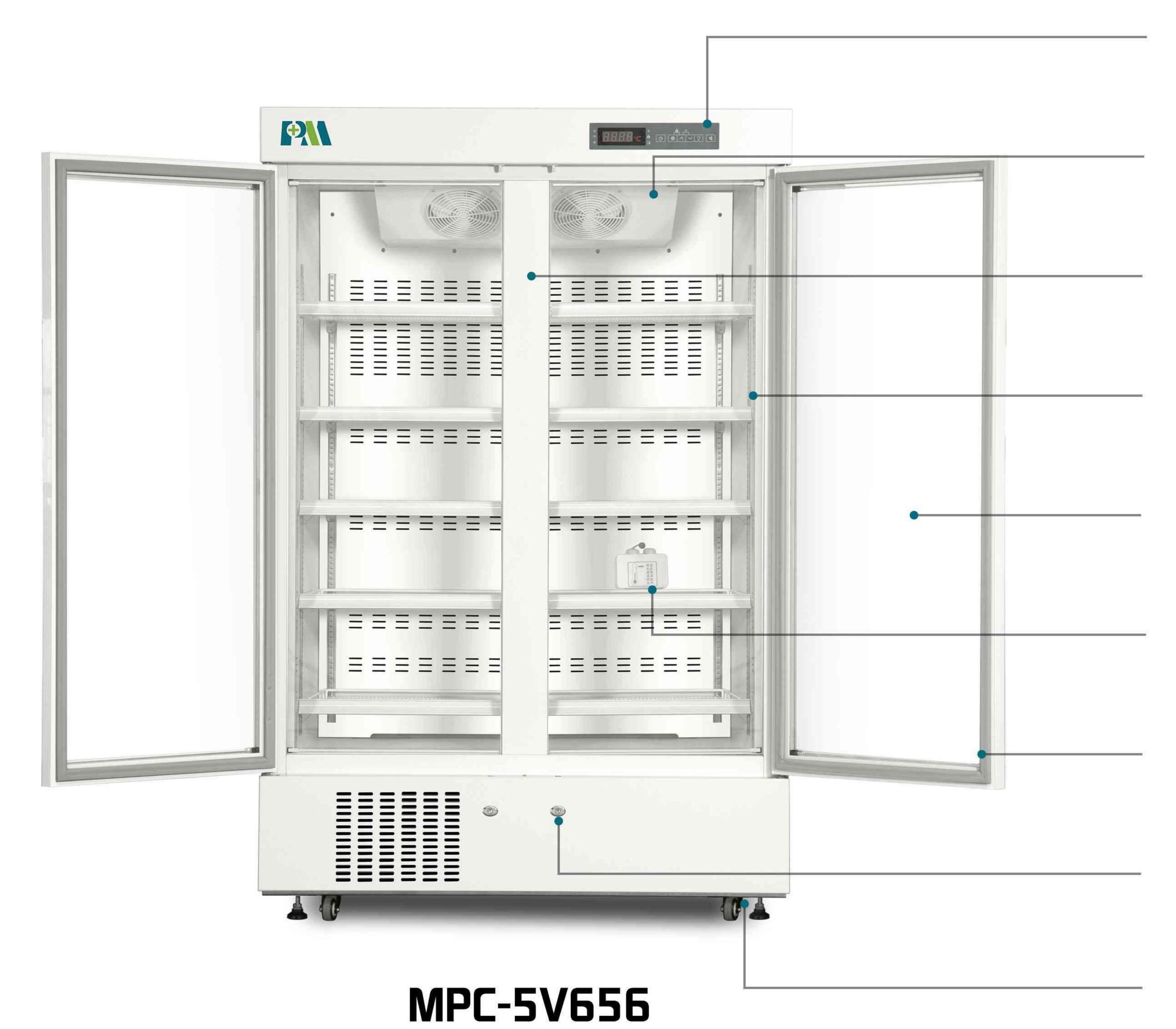


heated glass doors with quick defogging

MPC-5V656 / MPC-5V1006



(CONSTRUCTION



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



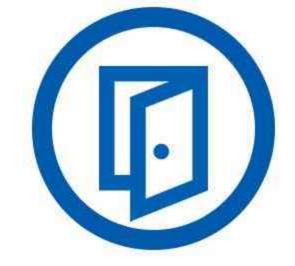
Evaporator fan Quiet running and high effeciency



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-5V I 500



>>> 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.

>> 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.

>>> 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



Forced air circulation



Powerful cooling system



Heated glass doors with quick defogging

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

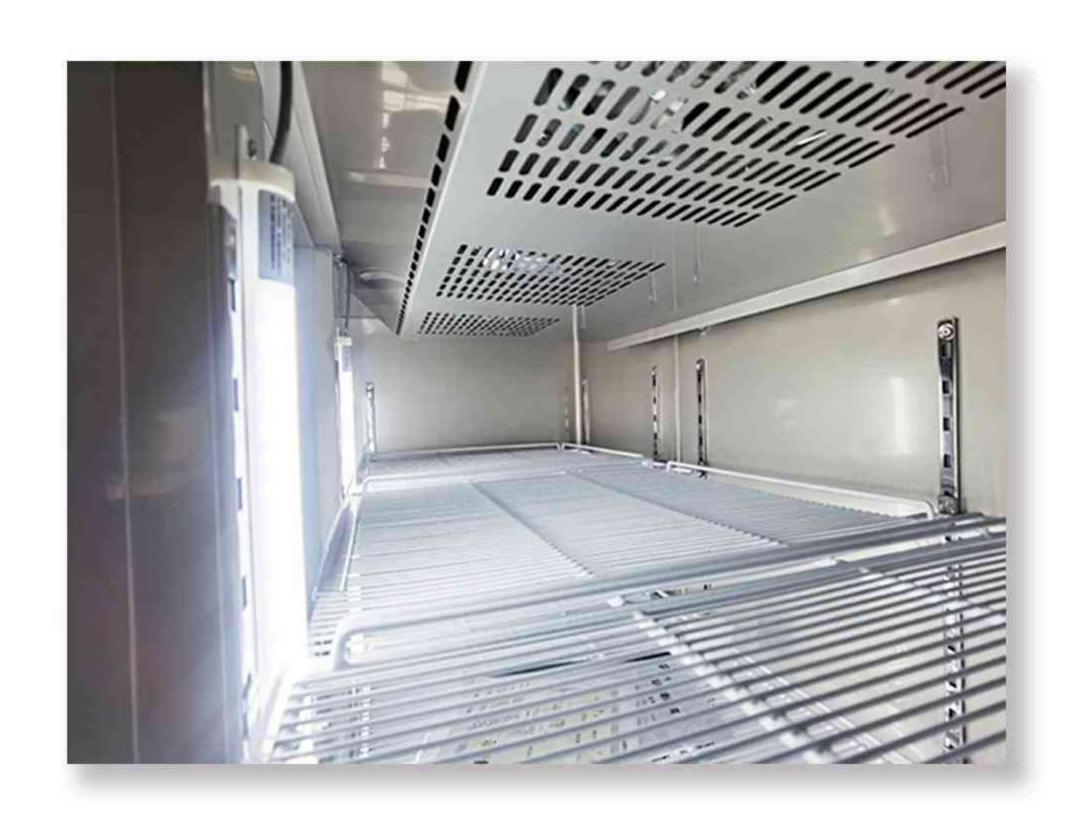
Long-lasting magnetic sealing gasket locks in cold air

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.

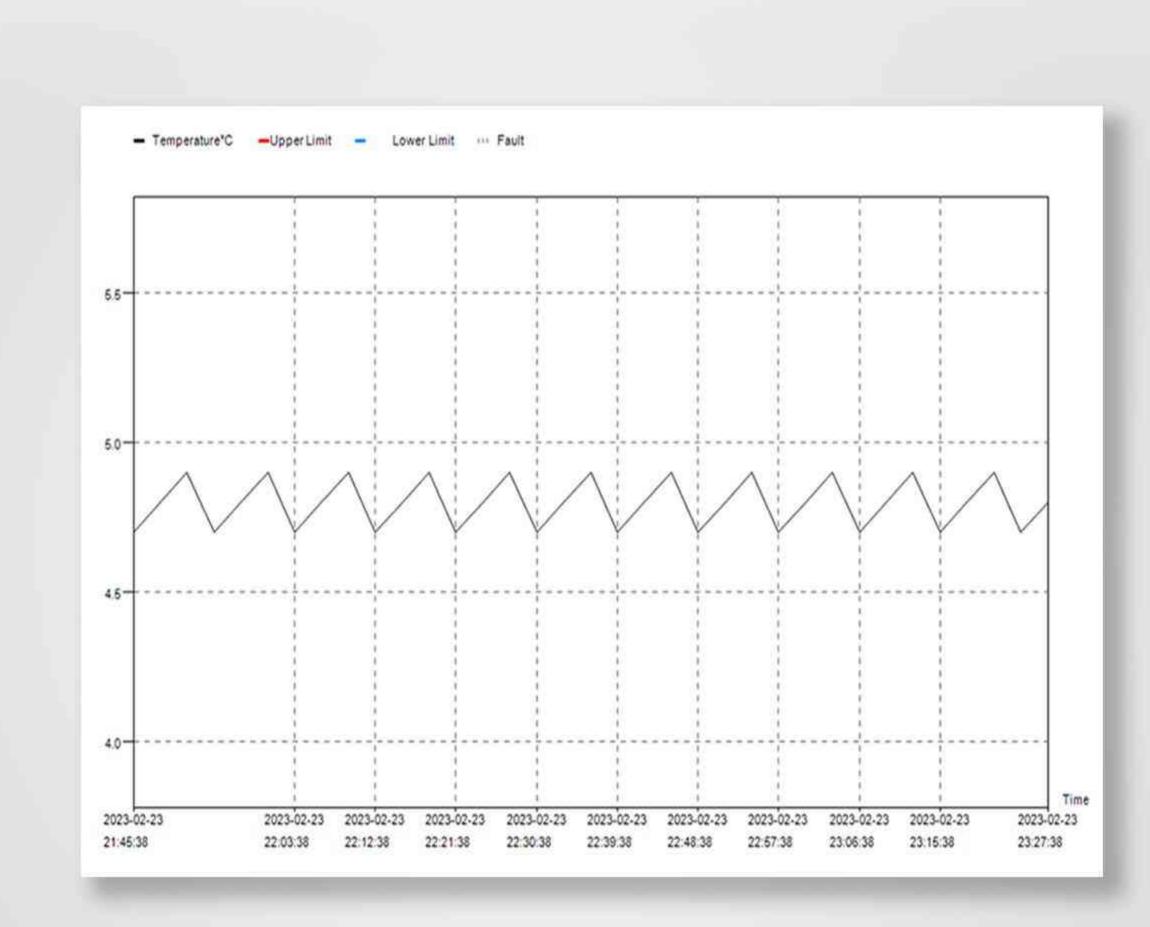
>> Internal USB data logger

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

>>> Electrically heated glass doors



MPC-5V3 I 5

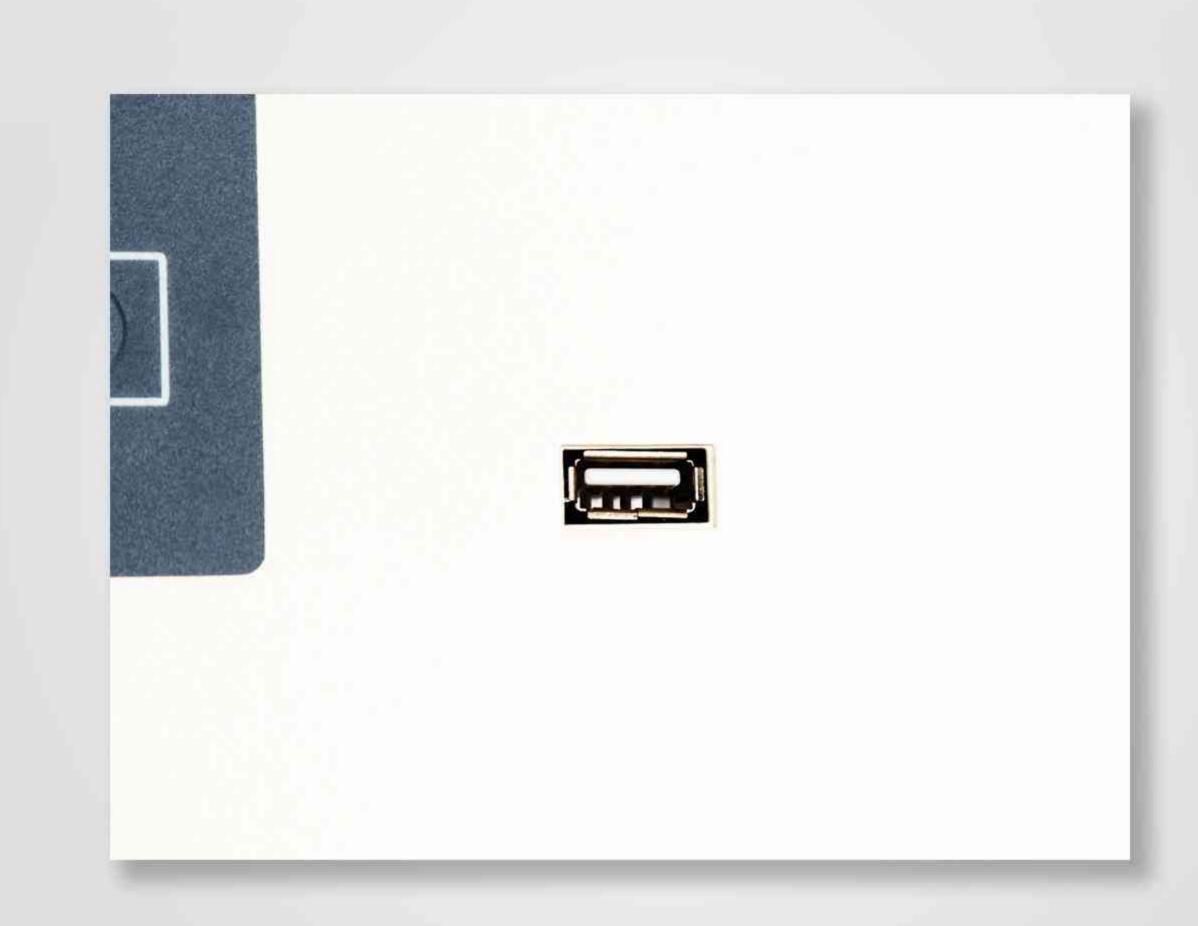


Temperature fluctuation within 1°C

@ ambient 25°C



Double glycerine box



Standard USB interface

MPC-5V416 / MPC-5V316



MPC-5V316



MPC-5V416



>>> 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.

>> 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, which is antibacterial, anti-corrosive, and easy to clean.

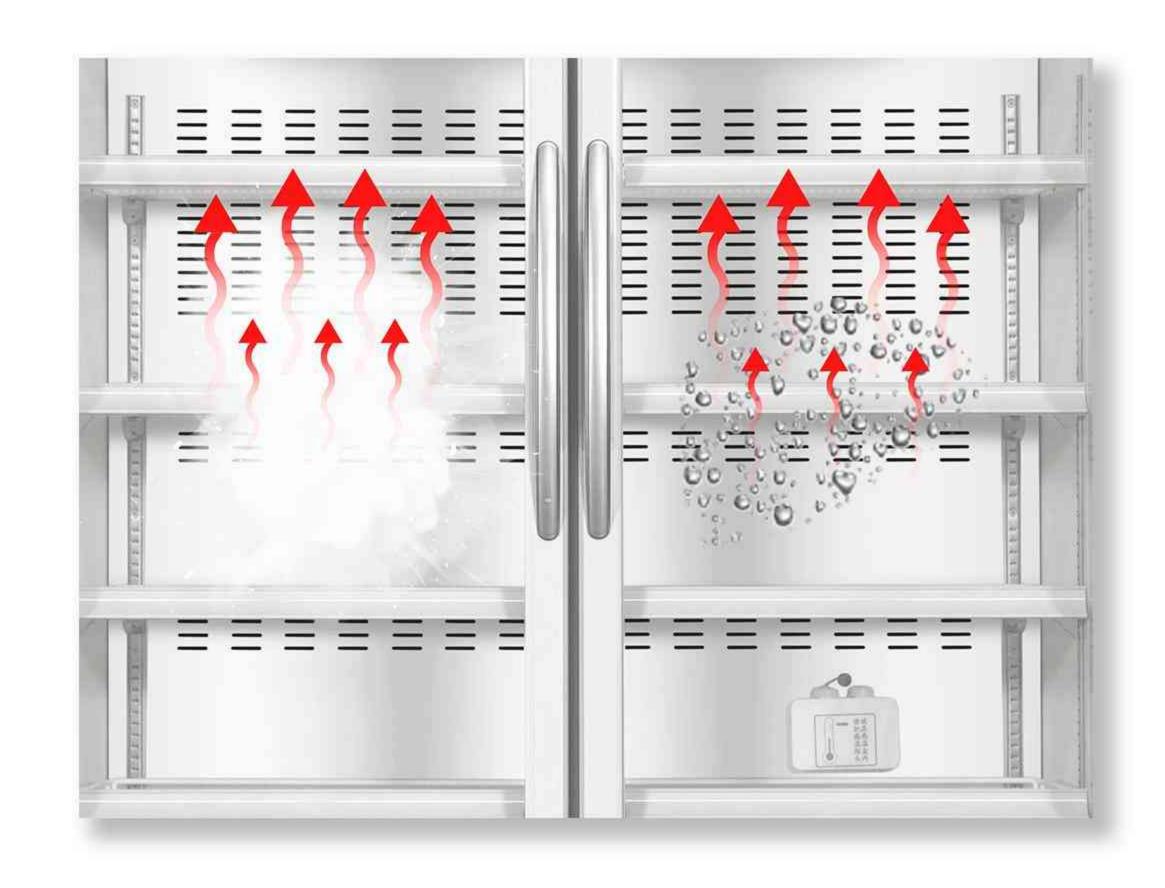
>>> Lockable cabinets

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

>>> Electrically heated glass doors



Sensor in glycerine box



Quick defogging with heated glass doors

MPC-5V315 / MPC-5V415



(CONSTRUCTION



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-5V4 I 6A

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







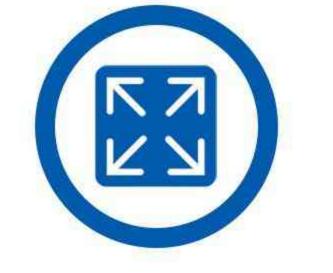
MPC-5V226



MPC-5V I 00



MPC-5VIOOA



FEATURES

>> 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

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

>> Lockable cabinets

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

>>> 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

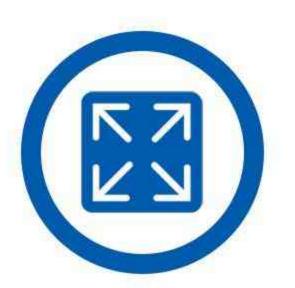
Undercounter/Countertop



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

>>> Lockable cabinets

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

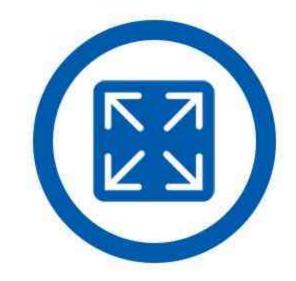
>> Variable inner space

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>>> High quality materials

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SPECIFICATION SHEET

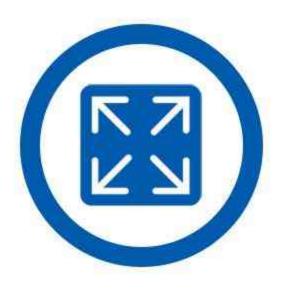




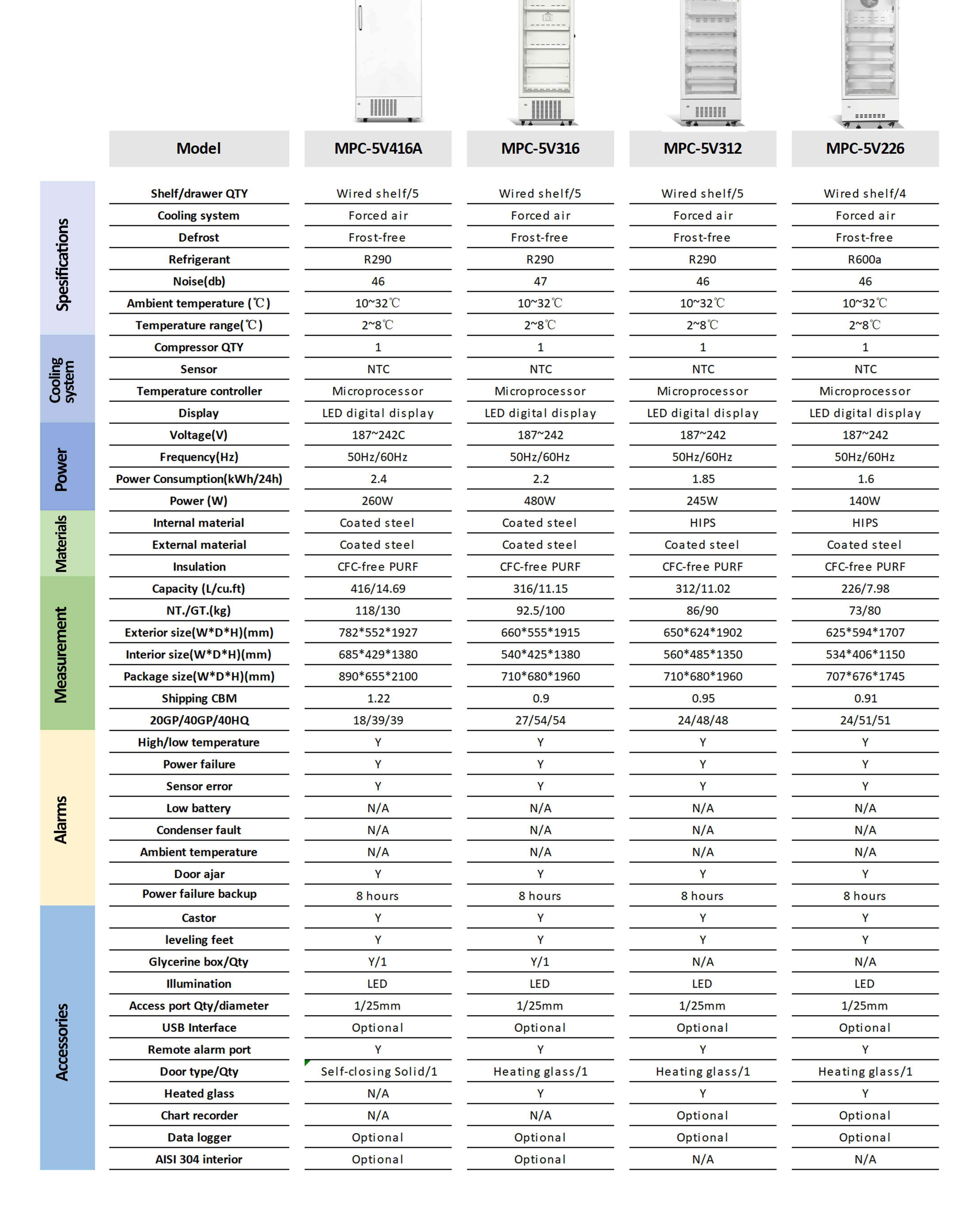


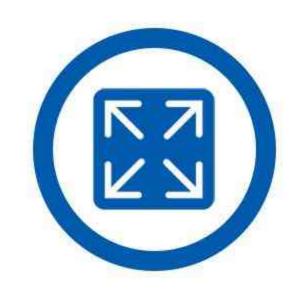


	Model	MPC-5V100	MPC-5V100A	MPC-5V60G	MPC-5V60A
Spesifications	Shelf/drawer QTY	Shelves/3	Wired shelf/3	Wired shelf/2	Wired shelf/2
	Cooling system	Forced air	Forced air	Forced air	Forced air
	Defrost	Frost-free	Frost-free	Frost-free	Frost-free
	Refrigerant	R600a	R600a	R600a	R600a
	Noise(db)	46	47	46	46
	Ambient temperature (°C)	10~32°C	10~32 °C	10~32°C	10~32℃
	Temperature range(°C)	2~8°C	2~8°C	2~8°C	2~8°C
Cooling	Compressor QTY	1	1	1	1
	Sensor	NTC	NTC	NTC	NTC
	Temperature controller	Microprocessor	Microprocessor	Microprocessor	Microprocessor
	Display	LED digital display	LED digital display	LED digital display	LED digital display
	Voltage(V)	187~242C	187~242	187~242	187~242
	Frequency(Hz)	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
	Power Consumption(kWh/24h)	1.15	1.15	1	1
	Power (W)	80W	80W	72W	72W
Zaterials	Internal material	HIPS	HIPS	Coated steel	Coated steel
	External material	Coated steel	Coated steel	Coated steel	Coated steel
E	Insulation	CFC-free PURF	CFC-free PURF	CFC-free PURF	CFC-free PURF
	Capacity (L/cu.ft)	100/3.53	100/3.53	60/2.11	60/2.11
Measurement	NT./GT.(kg)	35/38	30/33	33/37	33/37
	Exterior size(W*D*H)(mm)	505*510*875	505*510*875	495*450*710	495*450*710
	Interior size(W*D*H)(mm)	385*356*737	385*356*737	410*315*560	410*315*560
	Package size(W*D*H)(mm)	580*580*940	580*580*940	558*510*760	558*510*760
	Shipping CBM	0.32	0.32	0.22	0.22
	20GP/40GP/40HQ	80/160/160	80/160/160	132/276/276	132/276/276
Smark States of the states of	High/low temperature	Υ	Υ	Υ	Y
	Power failure	Υ	Υ	Υ	Υ
	Sensor error	Υ	Υ	Υ	Υ
	Low battery	N/A	N/A	N/A	N/A
	Condenser fault	N/A	N/A	N/A	N/A
	Ambient temperature	N/A	N/A	N/A	N/A
	Door ajar	Υ	Υ	Υ	Y
	Power failure backup	10 hours	10 hours	8 hours	8 hours
	Castor	N/A	N/A	N/A	N/A
Accessories	leveling feet	Υ	Υ	Y	Y
	Glycerine box/Qty	N/A	N/A	N/A	N/A
	Illumination	LED	LED	LED	LED
	Access port Qty/diameter	1/25mm	1/25mm	1/25mm	1/25mm
	USB Interface	N/A	N/A	N/A	N/A
	Remote alarm port	Υ	Υ	Υ	Υ
	Door type/Qty	Heating glass/1	Solid/1	Low-E glass/1	Solid/1
	Heated glass	Υ	N/A	N/A	N/A
	Chart recorder	N/A	N/A	N/A	N/A
	Data logger	Optional	Optional	Optional	Optional
	AISI 304 interior		·		
	AISI 304 Interior	N/A	N/A	Optional	Optional



SPECIFICATION SHEET





SPECIFICATION SHEET

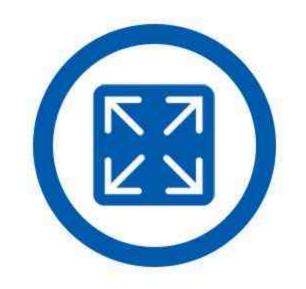




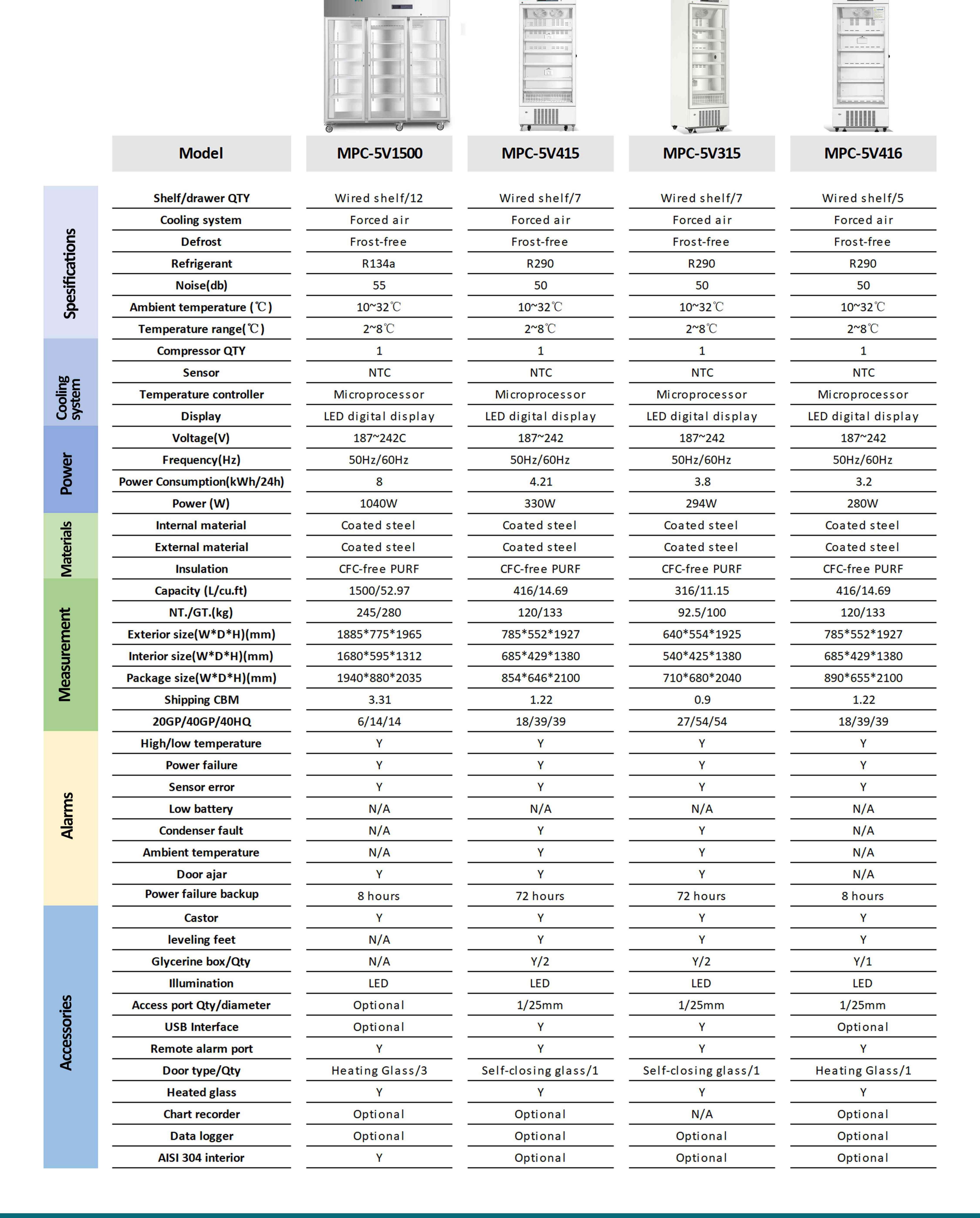




	Model	MPC-5V1006	MPC-5V1006A	MPC-5V656	MPC-5V656A
Spesifications	Shelf/drawer QTY	Wired shelf/10	Wired shelf/10	Wired shelf/10	Wired shelf/10
	Cooling system	Forced air	Forced air	Forced air	Forced air
	Defrost	Frost-free	Frost-free	Frost-free	Frost-free
	Refrigerant	R290	R290	R290	R290
	Noise(db)	49	48	48	47
	Ambient temperature (°C)	10~32°C	10~32°C	10~32°C	10~32°C
	Temperature range(℃)	2~8°C	2~8°C	2~8°C	2~8°C
Cooling	Compressor QTY	1	1	1	1
	Sensor	NTC	NTC	NTC	NTC
	Temperature controller	Microprocessor	Microprocessor	Microprocessor	Microprocessor
	Display	LED digital display	LED digital display	LED digital display	LED digital display
	Voltage(V)	187~242	187~242	187~242	187~242
ē	Frequency(Hz)	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
	Power Consumption(kWh/24h)	5.6	2.8	5.8	2.78
	Power (W)	400W	330W	403W	310W
<u>~</u>	Internal material	Coated steel	Coated steel	Coated steel	Coated steel
Fria	External material	Coated steel	Coated steel	Coated steel	Coated steel
E	Insulation	CFC-free PURF	CFC-free PURF	CFC-free PURF	CFC-free PURF
	Capacity (L/cu.ft)	1006/35.52	1006/35.52	656/23.16	656/23.16
	NT./GT.(kg)	189/213	175/198	166/184	154/170
	Exterior size(W*D*H)(mm)	1220*860*1885	1220*860*1885	1240*630*1895	1240*630*1895
	Interior size(W*D*H)(mm)	1100*684*1325	1100*684*1325	1100*454*1325	1100*454*1325
	Package size(W*D*H)(mm)	1280*900*1950	1280*900*1950	1280*670*1950	1280*670*1950
Sea	Shipping CBM	2.52	2.52	1.9	1.9
	20GP/40GP/40HQ	8/18/18	8/18/18	12/27/27	12/27/27
	High/low temperature	Υ	Y	Y	Υ
	Power failure	Υ	Y	Y	Υ
	Sensor error	Υ	Y	Y	Υ
	Low battery	N/A	N/A	N/A	N/A
	Condenser fault	N/A	N/A	N/A	N/A
No.	Ambient temperature	N/A	N/A	N/A	N/A
	Door ajar	Υ	Y	Υ	Υ
	Power failure backup	8 hours	8 hours	8 hours	8 hours
Accessories	Castor	Y	Y	Y	Y
	leveling feet	Y	Υ	Y	Y
	Glycerine box/Qty	Y/1	Y/1	Y/1	Y/1
	Illumination	LED	LED	LED	LED
	Access port Qty/diameter	1/25mm	1/25mm	1/25mm	1/25mm
	USB Interface	Optional	Optional	Optional	Optional
	Remote alarm port	Υ	Y	Y	Υ
	Door type/Qty	Self-closing glass/2	Self-closing solid/2	Self-closing glass/2	Self-closing solid/2
	Heated glass	Y	N/A	Y	N/A
	Chart recorder	Optional	Optional	Optional	Optional
	Data logger	Optional	Optional	Optional	Optional
	AISI 304 interior	Optional	Optional	Optional	Optional



SPECIFICATION SHEET



TEEEE, EEEE



OPTIONAL ACCESSORIES



110V power system

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



Data Logger (TLOG-100EC)

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



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.



TEMP&RH% controllers

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



Printer

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



SS exterior and interior

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



Voltage stabilizer

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



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.



3Q qualification

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



Additional shelves

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



Internal water proof socket

Provide power to other electrical equipment placed in the refrigerator



Enhanced Packaging

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

