



MP-U2RG-HC & MP-U3RG-HC

🔧 Intelligent Microprocessor for Temperature Stability

High accuracy temperature controller with high accuracy temperature probes, maintaining temperatures within 2~8°C (accuracy of +/- 0.1°C).

🛡️ Refrigeration System

High-performance compressor & efficient condenser for superior cooling performance and temperature stability. HCFC-FREE, nontoxic, hydrocarbon refrigerant with nearly zero global warming potential. Forced air cooling & auto-defrost ensuring temperature uniformity within 2°C.

👤 Ergonomic, Intuitive Design

Lockable door with recessed handle

Audible and visual alarms: high and low temperature alarm settings

Temperature failure alarm, power failure alarm & door ajar alarm.

Cabinet made of high quality, powder coated steel with powdered coated aluminum interior

Includes (2) shelves and (1) floor basket

Standard built-in USB data logger with remote alarm contacts and RS485 interface for remote monitoring systems.



MP-U2RG-HC

MP-U3RG-HC



Intelligent Temperature Control

- High-precision microprocessor temperature controller with built-in sensors for high/low temperature alarms for chamber, ambient and evaporator temperatures.
- 1 inch digital temperature display.
- Temperature can be easily set.



Security System

- Audible and visual alarms that will alert users in the rare event of a temperature or system failure. The alarm functions include a high/low temperature alarm, high ambient temperature alarm, sensor probe failure alarm, door ajar alarm, and power failure alarm.
- Audible door ajar alarm activates after 1 minute of opening and is automatically muted when the door is closed.



Refrigeration System

High-efficiency compressor, air-cooled condenser and finned evaporator for quick pull down, temperature recovery and stability.



MP-U3RG-HC



Data Storage

Temperature data is accessed through the USB port. You may view the temperature chart and temperature data history on your computer.



Interior Lights

Equipped with an LED lighting system, ensuring high visibility inside the chamber.



Ergonomic Design

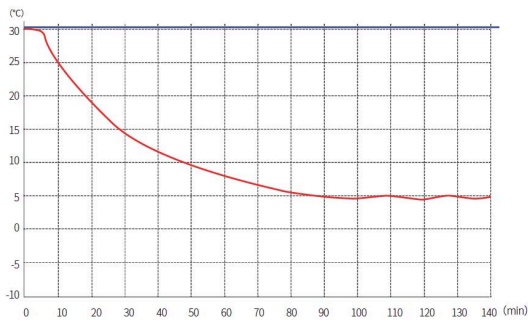
- Equipped with high-quality shelves made from PVC-coated steel wire that is easy to clean.
- Equipped with full-length door handle, for easy opening and closing.
- Equipped with a 1" access port for 3rd party probes and monitoring.
- Whisper quiet operation for a stress free operational experience.

✓ Scope of Application

Suitable for storage of biological products, vaccines, drugs, reagents, etc. Suitable for use in pharmacies, pharmaceutical distribution centers & manufacturing plants, hospitals, centers for disease prevention & control, research laboratories, clinics, etc.

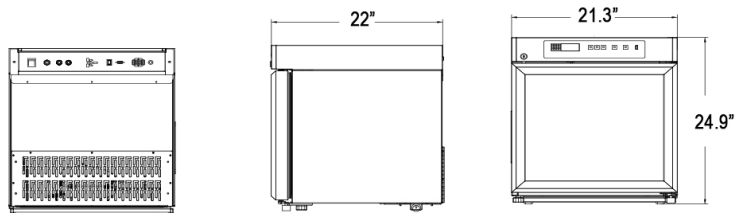
🔗 Performance Data / Cooling Curve

Cooling — Air Temp — MP-U2R-HC & MP-U3R-HC



📏 External Dimensions

MP-U2R-HC



MP-U3R-HC



Specification Chart

2~8°C Medical Refrigerator		
Model	MP-U2RG-HC	MP-U3RG-HC
Cabinet Type	Undercounter	Undercounter
Capacity(cu/ft)	2	2.7
Internal Size(W*D*H) inches	17.5*17.3*15.9	17.5 *17.3*21.1
External Size(W*D*H) inches	21.3*22*24.9	21.3*22*30.1
Package Size(W*D*H) inches	22.8*23.6*27	22.8*23.6*32
NW/GW(lbs)	35/38	41/44
Performance		
Temperature Range	2~8°C	2~8°C
Temperature Accuracy	+/- 1°C	+/- 1°C
Cooling Set Point	5°C	5°C
Climate Class	Nontoxic, Hydrocarbon Refrigerant	Nontoxic, Hydrocarbon Refrigerant
Controller	Microprocessor	Microprocessor
Display	Digital display	Digital display
Refrigeration		
Compressor	High Efficiency	High Efficiency
Cooling Method	Forced Air Cooling	Forced Air Cooling
Defrost Mode	Automatic	Automatic
Refrigerant	R600a	R600a
Insulation Thickness(inches)	2	2
Construction		
External Material	Powder coated material	Powder coated material
Inner Material	Powder coated aluminum	Powder coated aluminum
Shelves	(2) PVC coated steel wired shelves	(3) PVC coated steel wired shelves
Door Lock with Key	Yes	Yes
Lighting	LED	LED
Access Port	Ø 1 inch	Ø 1 inch
Casters	4 leveling feet	4 leveling feet
Data Logging/Interval/Recording Time	USB/Recordubf every 10 minute / 2 years	USB/Record every 10 minute / 2 years
Door with Heater	Yes	Yes
Alarm		
Temperature	High/Low temperature,High ambient temperature	
Electrical	Power failure , Low battery	
System	Probe error, Door ajar, Built-in datalogger USB Failure,Main board communication error, Remote alarm	
Electrical		
Power Supply(V/HZ)	110/60	110/60
Standard Accessory		
System	RS485, Remote alarm contacts	RS485, Remote alarm contacts

*Medical Pro reserves the right to change specifications without notice.