

Preservation

above-zero

Pharmaceutical Refrigerators

Spacious capacity meets versatile requirements of pharmaceutical refrigeration, from small-variety packages to large-variety packages.



MPR-514

key to high-precision performance for



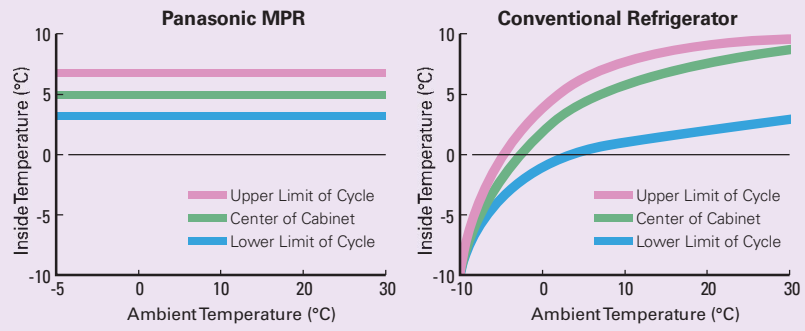
2°C to 14°C

(Ambient temperature -5°C to 35°C)

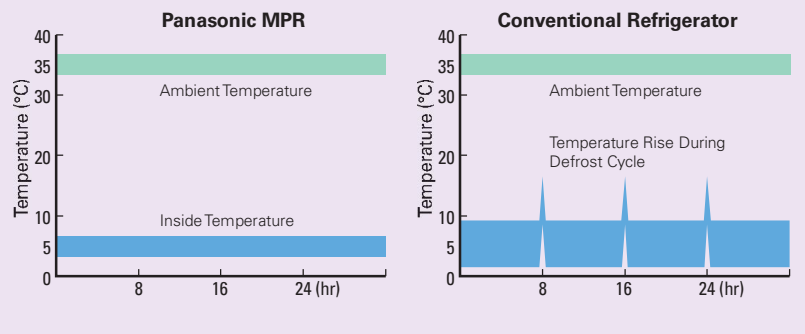
MPR-514

Effective capacity: 486 / (17.2 cu. ft.)

Uniform Storage Temperature—Ambient Temperature



Uniform Storage Temperature—Cycle Defrost



Ergonomic design

The ergonomic design of the MPR series refrigerators provides a clear view of stored items through the large framed windows. The slim profile allows for easy-reach retrieval of your products. Users can choose from two types to suit their needs; one with all wire shelves or one with sliding racks on one side.



Double-sensor temperature management

The double-sensor control system with alarm-exclusive sensor added to the temperature control sensor always monitors the precise chamber temperature.

Safety is a Panasonic standard

Even the best designed refrigerator must be prepared for the unexpected.

● Cabinet construction

View Window design with protective film to prevent shattered glass from scattering onto the floor. Also features key locked doors.

● Control safety devices

Audible and flashing LED visual alarms alert you to the unlikely event of either a high or low temperature condition.

An over-shooting prevention circuit automatically switches off the fan motor or heater, if the inside temperature rises abnormally.

● Comprehensive alarms

In addition to Low/High temperature alarms and door ajar alarm, power failure alarm can be installed as an option. Remote alarm terminal is also provided as standard.



Control Panel

Worry-free cycle defrosting system

With Panasonic's cycle defrost system, defrosting is performed automatically during compressor "off" cycles, and by sensing frost levels. This way defrosting is performed only when required, further protecting the contents against unnecessary temperature rise. The defrosting heater also acts as an emergency heat source to prevent samples from freezing.

HFC refrigerant & HCFC-free insulation

Panasonic biomedical equipment is designed for low environmental impact. The MPR-514 and 1014 series use HFC refrigerant and the foamed-in-place insulation is HCFC free.

Data Acquisition System (optional)

The Data acquisition system enables remote monitoring of pharmaceutical refrigerators.

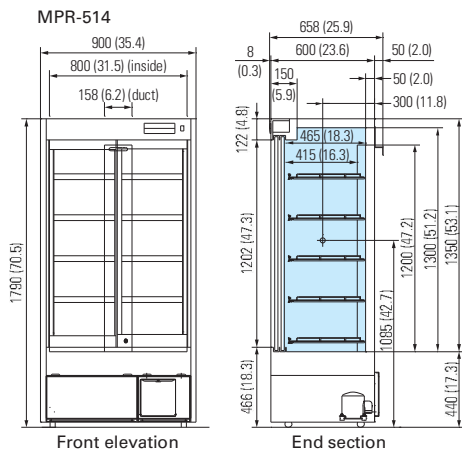
Specifications		MPR-514/514R
Temperature range	2°C to 14°C (Ambient temperature -5°C to 35°C)	
External dimensions (W x D x H)	900 x 600 x 1790 (mm) / 35.4 x 23.6 x 70.5 (inch)	
Interior dimensions (W x D x H)	800 x 465 x 1300 (mm) / 31.5 x 18.3 x 51.2 (inch)	
Effective capacity	489 liters (17.3 cu.ft.) MPR-514 486 liters (17.2 cu.ft.) MPR-514R	
Exterior cabinet	Galvanised steel with baked on finish	
Interior cabinet	Stainless steel	
Outer door	2 sliding doors, Double layer glass with heat reflection film	
Cabinet insulation	Rigid polyurethane foamed-in-place (HCFC free)	
Outer door lock	1	
Shelves & Sliding racks	5 polyester-coated wire shelves Load: 50kg per shelf (MPR-514)	
	5 polyester-coated wire shelves Load: 20kg per shelf 5 polyester-coated sliding racks Load: 20kg per rack (MPR-514R)	
Cooling method	Forced cool air circulation	
Evaporator	Fin and tube	
Condenser	Wire and tube, Tube on sheet	
Compressor	Hermetic type, output: 200 W	
Refrigerant	R-134a (HFC)	
Fan motor	for cooling	For cooling: output 3 W x 1
	for condensing	—
Defrosting	Forced type, fully automatic	
Defrost heater	73.8 W x 2	
Net weight	141kg (300lbs) MPR-514 / 147kg (313lbs) MPR-514R	

Voltage specification by destination		Model No.	
Representative destination	Europe	230V, 50Hz (CE)	MPR-514-PE/514R-PE
	Korea	220V, 60Hz	MPR-514-PK/514R-PK
	Thailand	220V, 50Hz	MPR-514-PB/514R-PB
	Taiwan	110V, 60Hz	MPR-514-PT/514R-PT

• Appearance and specifications are subject to change without notice. Caution: Panasonic guarantees the product under certain warranty conditions. Panasonic in no way shall be responsible for any loss of content or damage to content.

Dimensions

Unit: mm (inch)



Options

- Automatic Temperature Recorders

	MTR-G04 (Circular Type)	MTR-0621LH-PE (Strip Chart Type)
Recording paper	RP-G04-PW	RP-06-PW
Recorder fixing	MPR-S7-PW	MPR-S30-PW

- External mounting Power Failure Alarm

MPR-48B-PW

- Data Acquisition System

MTR-5000-PW/MTR-L03-PW or MTR-480-PW



Panasonic Healthcare Co., Ltd., Biomedical Business Unit is certified for:
Quality management system: ISO9001
Medical devices quality management system: ISO13485



Panasonic Healthcare Co., Ltd., Biomedical Business Unit is certified for:
Environmental management system: ISO14001

DISTRIBUTED BY:



PT. SIGMA BIMED
Indonesia Sole Distributor

Jl. Agung Utara Raya Blok A 36D/42 Sunter Agung Jakarta Utara 14350 Indonesia

Telp. (62-21) 64716568, 70240088, 70240099, 87960123, 87960456

Fax. (62-21) 64716566, 87961123, 87961456

Email : sigmabimed@indo.net.id, sales@sigmabimed.com

Website : www.sigmabimed.com

kemenkes RI AKL

Panasonic

Panasonic Healthcare Co., Ltd (Gunma Site-Biokiki Seizou Group)

1-1-1 Sakata Oizumi-Machi, Ora-Gun, Gunma 370-0596, Japan
 Copyright Panasonic Healthcare Co., Ltd.

Melalui Scimed (Asia) Pte., Ltd. Singapore