

# Preservation

above-zero

## Pharmaceutical Refrigerators

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



MPR-1014R

# Stable and reliable environment control – the exacting storage or research requirements

**2°C to 14°C**

(Ambient temperature -5°C to 35°C)

Several factors are important to assure the quality of pharmaceuticals, samples and reagents. These are storage temperature, expiry date, exposure to ultraviolet light and humidity. Of these the most important is storage temperature. If the temperature is too high, chemical changes can occur which affect the quality of the materials. If the temperature is too low, there is a risk of structural changes brought about by freezing. Narrow and uniform temperature control without regard to ambient conditions is very important. Don't compromise your results!



## MPR-1014R

Equipped with sliding racks.  
Effective capacity: 1,029 / (36.3 cu. ft.)

**Features of the MPR-514(R) and MPR-1014(R)** User-friendly design: easy-viewing, easy-opening, and energy-saving

### Uniform storage unaffected by ambient temperature

#### Microprocessor controlled

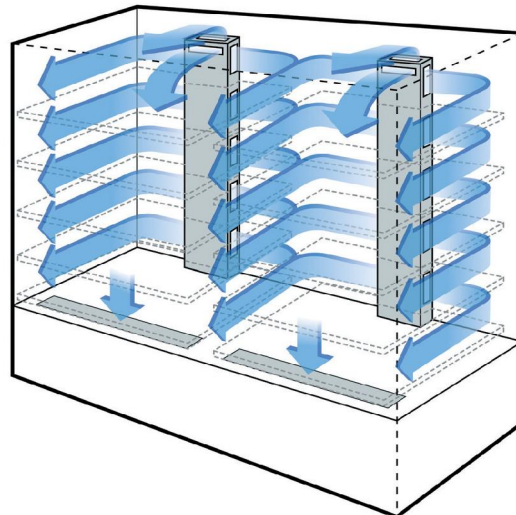
An electronic sensor accurately monitors chamber temperature and feeds the information to the microprocessor for precise control at preset temperature. Fans ensure gentle air circulation to provide uniform top to bottom temperature control after frequent door openings. Panasonic's easily calibrated, reliable and stable controls make validation easier.

### Remarkable cooling efficiency

A highly efficient hermetic compressor, specially designed and developed by Panasonic, is utilized to provide powerful and rapid cooling to maintain proper temperature level.

### Plenums

Panasonic's plenum design features uniform cold air flow distribution throughout the chamber to ensure temperature uniformity— essential for validated storage requirements.



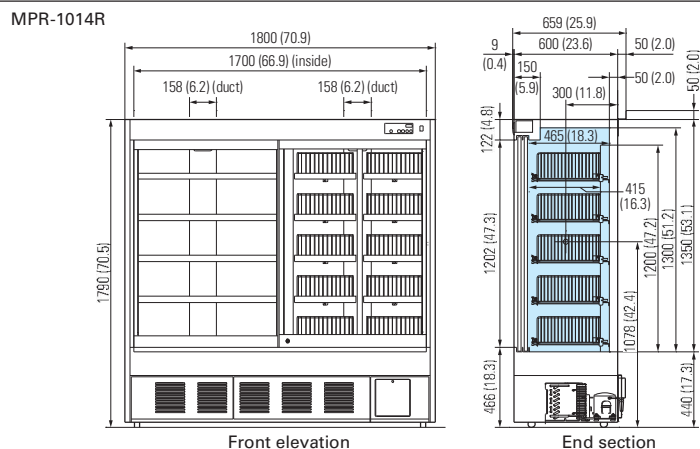
Specifications		MPR-1014/1014R
Temperature range	2°C to 14°C (Ambient temperature -5°C to 35°C)	
External dimensions (W x D x H)	1800 x 600 x 1790 (mm) / 70.9 x 23.6 x 70.5 (inch)	
Interior dimensions (W x D x H)	1700 x 465 x 1300 (mm) / 66.9 x 18.3 x 51.2 (inch)	
Effective capacity	1033 liters (36.4 cu.ft.) MPR-1014 1029 liters (36.3 cu.ft.) MPR-1014R	
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	10 polyester-coated wire shelves Load: 50kg per shelf (MPR-1014) 5 polyester-coated wire shelves Load: 50kg per shelf 10 polyester-coated sliding racks Load: 20kg per rack (MPR-1014R)	
Cooling method	Forced cool air circulation	
Evaporator	Fin and tube	
Condenser	Fin and tube	
Compressor	Hermetic type, output: 250 W	
Refrigerant	R-404A (HFC)	
Fan motor for cooling	For cooling: output 3 W x 2	
Fan motor for condensing	For condenser: output 4 W	
Defrosting	Forced type, fully automatic	
Defrost heater	141 W	
Net weight	246kg (542lbs) MPR-1014 / 258kg (569lbs) MPR-1014R	

Voltage specification by destination		Model No.	
Representative destination	Europe	230V, 50Hz (CE)	MPR-1014-PE/1014R-PE
	Korea	220V, 60Hz	MPR-1014-PK/1014R-PK
	Thailand	220V, 50Hz	MPR-1014-PB/1014R-PB
	Taiwan	110V, 60Hz	MPR-1014-PT/1014R-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) 64716566, 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