PHCbi

MPR-514-PA
MPR-514R-PA

Pharmaceutical Refrigerator

+2°C to +14°C ENERGY STAR® Certified

17.3 cu.ft. | 489 L
17.2 cu.ft. | 486 L

MPR-514R-PA

The MPR-514-PA (wire shelves) and MPR-514R-PA (wire shelves and pull-out wire baskets) pharmaceutical refrigerators provide stable, uniform temperatures for storing vaccines and pharmaceutical products. These refrigerators operate at setpoints from +2°C to 14°C. The slim profile with compact footprint allows easy retrieval of stored products.

ENERGY STAR® Certified

The high performance refrigeration system delivers stable temperature with excellent temperature recovery after door openings. These ENERGY STAR Certified cabinets use environmentally safe HFO refrigerants to help achieve facility sustainability objectives without compromising cooling performance, ambient tolerance and recovery.

Unique Defrost

An automatic defrost system activates electronically only when needed. The refrigerator operates above freezing at all times to prevent temperature sensitive vaccines and lab supplies from freezing.

Cabinet Design

Space saving design offers more choices for installation in crowded laboratories. Dual pane, self-closing glass sliding doors allow for placement in narrow aisles without a door swing allowance. The stainless steel interior resists corrosion and rust. Doors include keyed locks.
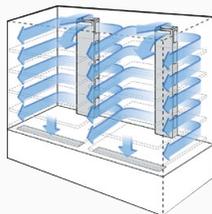
Positive Horizontal Airflow and Uniform Temperature

The rear wall perforated plenum provide horizontal airflow across all shelves to promote optimum temperature uniformity even with fully loaded shelves. This airflow design assures quick temperature recovery after door openings.

Microprocessor Control

The microprocessor based temperature control system creates a precise internal temperature according to desired setpoint. Control sensitivity permits quick system response to frequent door openings and fluctuating external ambient conditions. Audible and flashing LED visual alarms warn of temperature deviations from desired setpoint.
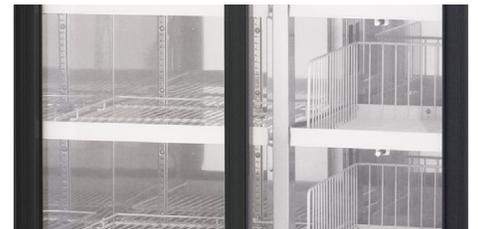
Inventory Management and Easy Product Access

The MPR-514-PA and MPR-514R-PA pharmaceutical refrigerators offer two methods of storing your product. The MPR-514-PA provides five adjustable wire shelves. The MPR-514R-PA offers five adjustable wire shelves on one side of the chamber and five pull-out wire baskets on the other side.

PHC Corporation of North America

ENERGY STAR

SNAP Refrigerants and PHC Compliance with EPA Recommendations

These models operate on new generation SNAP compliant, low flammability HFO refrigerant to assure low environmental impact. The use of SNAP compliant refrigerants established by the US Environmental Protection Agency underscores our commitment to environmental sustainability by integrating the latest refrigeration technology. For information on SNAP refrigerants visit https://www.epa.gov/snap.

Model MPR-514-PA

Defrost Temperature Data

The automatic defrost system eliminates temperature spikes to maintain safe storage conditions. Stored products see stable temperature at all times.

Stable Temperature

2°C   14°C

Automatic defrost is fast and accurate, eliminating temperature spikes when activated and maintaining product stability.

Dimensions

Unit : inch | mm

35.4 | 900
31.5 | 800
51.2 | 1300
70.5 | 1790
23.6 | 600
18.3 | 465
3.7 | 95
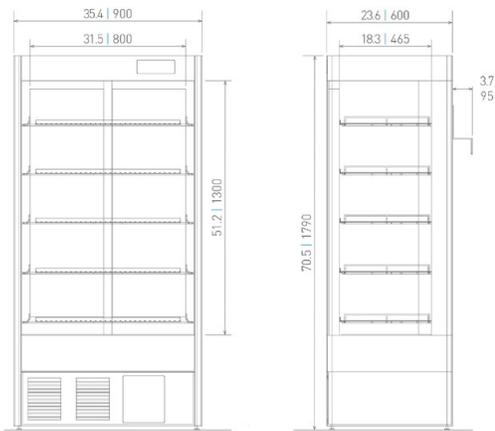
Illustration shown for Model MPR-514-PA.

Model Number		MPR-514-PA (w/shelves)	MPR-514R-PA (w/shelves & baskets)
External Dimensions (W × D × H) nominal	inches | mm	35.4 × 23.6 × 70.5 | 900 × 600 × 1790	35.4 × 23.6 × 70.5 | 900 × 600 × 1790
Internal Dimensions (W × D × H) nominal	inches | mm	31.5 × 18.3 × 51.2 | 800 × 465 × 1300	31.5 × 18.3 × 51.2 | 800 × 465 × 1300
Volume	cu.ft. | liters	17.3 | 489	17.2 | 486
Net Weight	lbs. | kg	311 | 141	324 | 147
Performance			
Warranty [1]		2 years parts and labor, 3 years compressor parts	
Temperature Control Range	°C	+2 to +14	+2 to +14
Vaccine Storage Operating Temperature	°C	+2 to +8	+2 to +8
Factory Pre-Set Temperature	°C	+5	+5
Highest Ambient Temperature and Maintains Cabinet Temperature	°C	+35	+35
Protects Vaccine from Freezing		Operates above freezing at all times	Operates above freezing at all times
Control			
Microprocessor Controller, Adjustable	°C	Increments of 1	Increments of 1
Digital Temperature Display		LED	LED
Controller Security		Lockable with key pad	Lockable with key pad
Electronics Diagnostics		Total control system	Total control system
Refrigeration			
Cooling Method Internal Airflow for Precise Temperature		Internal plenum	Internal plenum
Defrost Method Initiated Only as Needed		Electronically monitored evaporator	Electronically monitored evaporator
Refrigeration System		1- Air cooled, CFC free	1- Air cooled, CFC free
Refrigerant [2]		SNAP Approved HFO R-513A	SNAP Approved HFO R-513A
Insulation		CFC free urethane	CFC free urethane
Construction			
Outer Door	qty	2- Tinted, Dual pane, Reflective Coating	2- Tinted, Dual pane, Reflective Coating
Interior		Stainless steel	Stainless steel
Exterior		Zinc galvanized steel, Acrylic finish	Zinc galvanized steel, Acrylic finish
Outer Door Lock		Key	Key
Interior Light		Yes- with control panel switch	Yes- with control panel switch
Shelves	qty	5- Adjustable, Wire*	5- Adjustable, Wire**
Baskets	qty	—	5 - Wire
Casters	qty	4-Swivel	4-Swivel
Adjustable Feet	qty	2- Front of base; for securing unit in place	2- Front of base; for securing unit in place
Access Port	qty	1- Side wall	1- Side wall
Access Port Diameter	inches | mm	1.1 | 30	1.1 | 30
Alarms (V = Visual, B = Buzzer, R = Remote)			
Power Failure		V-B-R	V-B-R
High Temperature		V-B-R	V-B-R
Low Temperature		V-B-R	V-B-R
Door Open		V-B	V-B
Remote Alarm Contacts, *Optional*		Normally open, Normally closed, Common	Normally open, Normally closed, Common
Remote Alarm Output		DC 24V 2A	DC 24V 2A
Electrical and Noise Level			
Power Supply		115V, 1Ø, 60Hz, NEMA 5-15P requires 5-15R receptacle	115V, 1Ø, 60Hz, NEMA 5-15P requires 5-15R receptacle
Noise Level [3]	dB(A)	42	42
Optional Communication System			
Wireless, Cloud-Based, Automatic Data Management		LabAlert® Monitoring System	

[1] Current warranty offered at time of printing and may be subject to change; US and Canada only
[2] Compliant with SNAP Acceptability Determination
https://www.epa.gov/sites/production/files/2016-09/documents/snap_notice_31_factsheet.pdf
[3] Nominal value, background noise 20 dB(A)

Specifications are subject to change without notice.
For latest specification information contact PHC Corporation of North America at info@us.phchd.com.
Performance data herein is based on independent testing at time of publication.

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