

MPR Sliding Door Pharmaceutical Refrigerators

489/1033 L*



MPR-514-PE

Uniform storage temperature for the most demanding applications

MPR Pharmaceutical Refrigerators offer a complete solution for the most demanding requirements for storage of pharmaceuticals, medicines, vaccines, and other temperature-sensitive applications.

Effective Temperature Control

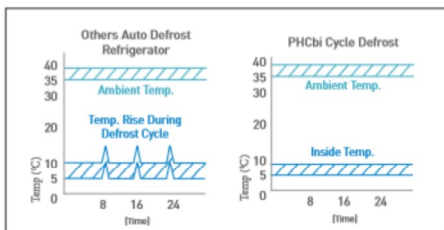
Microprocessor controls ensure that the set temperature is maintained. The circulation fan provides rapid temperature recovery for a highly reliable, stable, preservation environment that is unaffected by fluctuations in ambient temperature.

Plenums Direct Airflow

The Plenum design features uniform cold air flow distribution throughout the chamber to ensure temperature uniformity - essential for validated storage requirements.

User-friendly Design

The ergonomic design provides a clear view of stored items through the large framed windows. The slim profile allows for easy retrieval of products, without the concern for swinging door clearances.



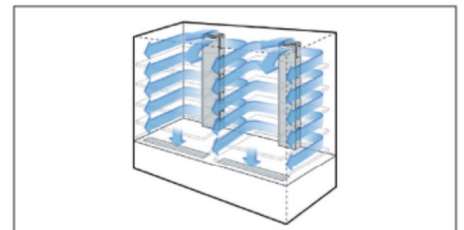
Sensitive Sample Storage

The environment is unaffected by fluctuations in ambient temperature, ideally suited for sensitive biological storage.



Adjustable Storage

Users can choose from adjustable shelving or pull-out drawers to suit their needs.



Regulatory Guidelines

Exceptional uniformity is paired with easy calibration access to meet critical validated storage regulations.

* This volume is related to the MPR-514-PE and MPR-1014-PE models. See the product specifications for further details on the R models.

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MPR-1014R-PE

Visual LED Alarm Alerts

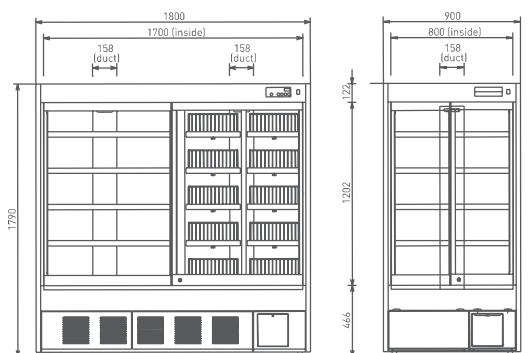
Audible and flashing LED visual alarms alert users to the unlikely event of either a high or low temperature condition to protect stored products. An over-shooting prevention circuit automatically switches off the fan motor or heater, if the inside temperature rises abnormally.

Easy to read digital display

Temperature readings are displayed in gradients of 1°C for configurable temperatures ranging from 2° to 14°C.

Cabinet Construction

Window door design with protective film allows easy viewing while providing safety against shattering and protection from heat and UV. Key locked doors.



MPR-1014/ MPR-1014R

MPR-514/MPR-514R

Model Number	MPR-514-PE	MPR-514R-PE	MPR-1014-PE	MPR-1014R-PE	
Dimensions					
External dimensions (W x D x H) ¹⁾	mm	900 x 600 x 1790		1800 x 600 x 1790	
Internal dimensions (W x D x H)	mm	800 x 465 x 1300		1700 x 465 x 1300	
Volume*	liters	489	486	1033	1029
Net weight (approx)	kg	141	147	246	258
Performance					
Temperature setting range	°C	2 - 14		2 - 14	
Control					
Controller		Microprocessor		Microprocessor	
Display		LED		LED	
Temperature sensor		Thermistor		Thermistor	
Refrigeration					
Cooling method		Forced cool air circulation		Forced cool air circulation	
Defrost method		Forced type, fully automatic		Forced type, fully automatic	
Refrigerant*		R-513A		R-513A	
Refrigerant weight	g	145		340	
Refrigerant GWP		631		631	
Total Refrigerant weight (CO ₂ equivalent)	t	0.092		0.215	
Insulation		PUF		PUF	
Construction					
Exterior material		Painted Steel		Painted Steel	
Interior material		Painted Steel		Painted Steel	
Outer doors	qty	2 sliding doors ⁴⁾		2 sliding doors ⁴⁾	
Outer door Lock		Y		Y	
Shelves	qty	5 wire shelves, polyester-coated		10 wire shelves, polyester-coated	
Drawers	qty		5 wire shelves + 5 sliding racks	5 wire shelves + 10 sliding racks	
Max. load - per shelf/drawer	kg	50	50 + 20	50	50 + 20
Max. load - total	kg	250	350	500	450
Access Port	qty	1		1	
- position		Left		Left	
- diameter	∅ mm	30		30	
Casters	qty	4		4	
Interior light		Fluorescent		Fluorescent	
Alarms (R = Remote Alarm, V = Visual Alarm, B = Buzzer Alarm)					
Power failure		V-B-R (Optional)		V-B-R (Optional)	
High temperature		V-B-R		V-B-R	
Low temperature		V-B-R		V-B-R	
Door open		V-B		V-B	
Electrical and Noise Level					
Power Supply	V	230V 50Hz single phase		230V 50Hz single phase	
Noise Level ²⁾	dB [A]	42		42	
Options					
Temperature chart recorder		MTR-0621LH-PE		MTR-0621LH-PE	
- chart paper		RP-06-PW		RP-06-PW	
- recorder housing		MPR-S30-PW		MPR-S30-PW	
Circular type		MTR-G04C-PE		MTR-G04C-PE	
- chart paper		RP-G04-PW		RP-G04-PW	
- ink pen		PG-R-PW		PG-R-PW	
- recorder housing		MPR-S7-PW		MPR-S7-PW	
External mounting power failure alarm		MPR-48B-PW (V-B) ³⁾		MPR-48B-PW (V-B) ³⁾	

Appearance and specifications are subject to change without notice.

¹⁾ Exterior dimensions of main cabinet only, excluding handle and other external projections

²⁾ Nominal value - Background noise 20dB

³⁾ Remote alarm comes with optional power failure alarm MPR-48B-PW

⁴⁾ Double pane glass window with heat reflecting film
* Complies with Art. 11, Annex III of F-Gas Regulation (EU) No 517/2014. Contains fluorinated greenhouse gases.

