

MPR-722-PA
MPR-722R-PA



MPR-722R-PA

Pharmaceutical Refrigerator

High Performance Cooling
with EPA SNAP Compliant Refrigerants

24.2 cu.ft. | 684 L
23.7 cu.ft. | 671 L

The MPR-722-PA (shelves) and MPR-722R-PA (drawers) pharmaceutical refrigerators deliver a stable, reliable temperature control for clinical, pharmaceutical, biomedical storage and processing. Fast recovery following door openings assures safe storage during times of frequent access and high ambient conditions and to remove heat loads generated by powered instruments.

Positive Airflow Assures Quick Recovery, Interior Uniformity

Vertical, forced air circulation with dual blower creates a uniform temperature at all shelf or drawer levels, top to bottom and front to back. Internal shelf or drawer clearances permit the positive airflow also restores temperature to setpoint following door openings, and safely accommodates busy, high traffic demand for access to stored contents in pharmacies, clinics and hospitals.



Positive Airflow Prevents Temperature Stratification

The top-mounted air circulation blower creates a circular airflow within the chamber to provide uniform temperatures at all shelf levels to enhance and protect viability of stored product. Regardless of location, all products are subjected to the same safe temperature to assure repeatability of stored product viability.

Precision Temperature Control Protects Inventory

Because many pharmaceuticals are degraded or destroyed if accidentally frozen, it is important that temperature be adjusted to desired setpoint in accordance with drug manufacturers' insert specifications. MPR Series pharmaceutical refrigerators operate over a temperature range of 2°C to 23°C, adjustable in 1.0°C increments. Actual interior air temperature is displayed to 0.1°C.

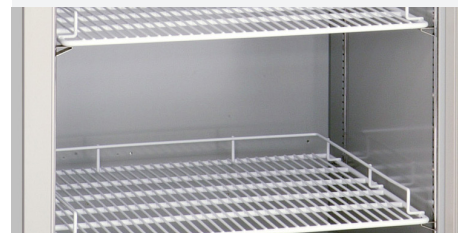


Microprocessor Controls Simplify Operation

A microprocessor controller monitors all functions. Setpoint is factory set at 5°C. A soft key interface allows setpoint adjustment throughout the operating range. Audible and visual warnings indicate a door ajar or temperature deviation from setpoint. The large easy-to-read LED display confirms actual temperature.

Choose Your Inventory Management Preference

The MPR Series pharmaceutical refrigerator offers two choices in inventory management. The MPR-722-PA includes 4 open-wire shelves strong enough to hold bulk loads. The MPR-722R-PA is equipped with heavy-duty, fully-extendable painted steel pull-out drawers for more convenient access to stored product such as large bottles or reagent kits.



Adjustable Shelves Offer Flexibility in Storage Options

Open wire shelves (shown) are adjustable to allow for loads of varying heights such as bulk storage or process equipment such as fraction collectors. The Model MPR-722R-PA with pull-out drawers (not shown) offers a practical solution with additional ergonomic advantages.

Upright Pharmaceutical Refrigerator



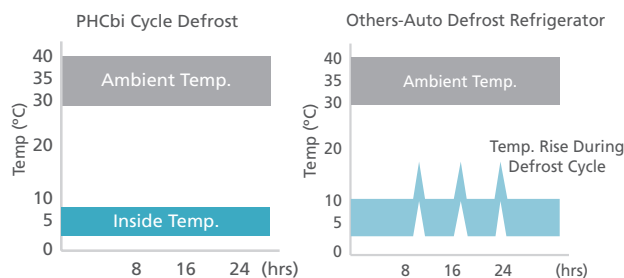
Model MPR-722-PA

Ideal for Storage or Process Instrumentation

The MPR-722-PA Series pharmaceutical refrigerator is configured to provide close temperature control for both storage and process applications where heat is generated from instrumentation or apparatus. A powerful refrigeration system using high performance compressors and components delivers fast temperature pull-down, recovery and tolerance for high ambient temperature conditions. Utilizes SNAP-compliant refrigerants and CFC-free insulation for environmentally responsible operation.

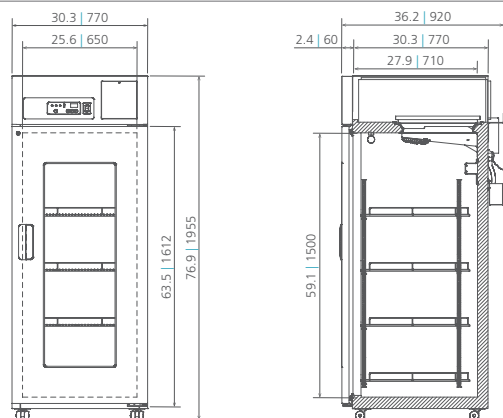
Cycle Defrost Function

The cycle defrost and evaporator temperature sensor system ensures that defrost occurs only when necessary and automatically, so there is no need to turn off the power for defrosting. Irregular temperature increase during defrost is minimal with no temperature spikes. The evaporation heater also doubles as protection against drops in cabinet temperature caused by a low ambient temperature.



Dimensions

Unit : inch | mm



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MPR-722-PA | MPR-722R-PA

Model Number		MPR-722-PA	MPR-722R-PA
External Dimensions (W x D x H) ¹⁾	inches mm	30.3 x 36.2 x 76.9 770 x 920 x 1955	
Internal Dimensions (W x D x H)	inches mm	25.6 x 27.9 x 59.1 650 x 710 x 1500	
Volume	cu.ft. liters	24.2 684	23.7 671
Net Weight	lbs kg	334 174	425 193
Performance			
Temperature Control Range	°C	+2 to +23	
Uniformity ²⁾	°C	+/- 3	
Ambient Temperature Operating Range	°C	-5 to +35	
BTU Nominal	Per hour	1127	
Noise Level ³⁾	dB(A)	48	
Power Consumption	KWhr/Day	7.19	
Control			
Controller	°C	Microprocessor with non-volatile memory	
Digital Temperature Display		LED (increment 0.1)	
Controller Security		Lockable with keypad	
Temperature Sensor		Thermistor	
Refrigeration			
Cooling Method		Forced air circulation	
Defrost Method		Cycle defrost	
Refrigerant Type ⁴⁾		SNAP approved R-1234yf	
Insulation		PUF (CFC/HFC Free)	
Construction			
Exterior Material		Painted steel	
Interior Material		Painted steel	
Outer Doors	qty	Painted steel w/ glass window (2 layer pair glass with heat ray reflection film)	
Outer Door Lock		1	
Shelves Drawers	qty	4 (hard wire steel)	5 (solid)
Shelf Dimensions (W x D)	inches mm	22.2 x 23.7	565 x 604
Drawers (W x D x H)	inches mm	21.65 x 20.9 x 3.9	550 x 530 x 100
Max. Load - Per Shelf Drawer	lbs kg	110 50	88 40
Access Port, Qty, Position, Diameter		3 (Left Right Top - 1.1 in 30 mm)	
Casters Leveling Legs	qty	4 2	
Interior Light		Fluorescent	
Standard Accessories			
Key	Qty	2	
Manual		Operators	
Alarms (V = Visual Alarm, B = Buzzer Alarm, R = Remote Alarm, A = Adjustable, L =Logged, D=settable delay)			
Power Failure ⁵⁾		R	
High and Low Temperature		V-B-R	
Air Flow Circulation Alarm		V-B-R	
Door Open		V-B	
Electrical			
Power Supply	 	NEMA 5-15P; 115V 60 hz, 8 ft cord length	
Running Amps Max Amps		3.3 4.5	
Options			
Chart Recorder Chart Paper Chart Pen		MTR-G04A-PA RP-G04-PW R252	
Battery Kit For Power Failure Alarm		MPR48B1	
Blackout panel		BPANEL721	
Shelves & Sliding Racks		MPR720SLF (1 shelf w/clips)	
Optional Communication System			
Wireless, Cloud-Based, Automatic Data Management		LabSVIFT® (Gen 2) LabAlert®*	
4-20mA Output Module		MTR-420MA-PW Equipment Powered MTR420MAC- Equipment Powered * MTR420MAL- Loop Powered*	
Quality Management			
Certification		QPS Listed	
Warranty ⁶⁾		3 years parts and labor	

¹⁾ Exterior dimensions of main cabinet only, excluding handle and other external projections. Consult product sales rep for doorway entry instructions, less than 36.2".

²⁾ 3rd party testing lab using 9 temperature points with 24°C ambient temperature.

³⁾ Actual value, background noise 20 dB(A)

⁴⁾ Compliant with SNAP Acceptability Determination https://www.epa.gov/sites/production/files/2016-09/documents/snap_notice_31_fact-sheet.pdf

⁵⁾ Remote alarm activates at power failure, for messaging and logging must purchase accessory MPR-48B1-PW (V-B alarm).

⁶⁾ Current warranty offered at time of printing and may be subject to change, US and Canada only.

* Manufactured by others

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.