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.

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.

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.

PHC Corporation of North America

Pharmaceutical Refrigerator

High Performance Cooling with EPA SNAP Compliant Refrigerants

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPR-722-PA</td>
<td>24.2 cu.ft.</td>
<td>684 L</td>
</tr>
<tr>
<td>MPR-722R-PA</td>
<td>23.7 cu.ft.</td>
<td>671 L</td>
</tr>
</tbody>
</table>

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.
Upright Pharmaceutical Refrigerator

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. Energy efficiency helps improve LEED scores and contributes to global sustainability.

**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.

![](image.png)

**Dimensions**

<table>
<thead>
<tr>
<th>Unit</th>
<th>W</th>
<th>D</th>
<th>H</th>
</tr>
</thead>
<tbody>
<tr>
<td>inches</td>
<td>30.3</td>
<td>25.6</td>
<td>59.1</td>
</tr>
<tr>
<td>mm</td>
<td>770</td>
<td>650</td>
<td>1500</td>
</tr>
</tbody>
</table>

**Performance**

- **Power Consumption**
  - 400 watts

- **Vacuum**
  - 2 year parts and labor, 3 year compressor parts

- **Vacuum Storage Operating Temperature**
  - +2 to +8 °C

- **Factory Pre-Set Temperature**
  - +5 °C

- **Highest Ambient Temperature and Maintains Cabinet Temperature**
  - +2 to +23 (Ambient temperature 0 to +35, no load)

- **Evaporator**
  - Prevents Vaccines from Freezing
  - Operates above freezing at all times

- **Temperature Control Range**
  - +2 to +23 °C

**Control**

- **Microprocessor Controller, Adjustable**
  - 16 increments of 1.0

- **Controller Security**
  - Latchable with key pad

- **Electronics Diagnostics**
  - Total control system

**Refrigeration**

- **Cooling Method**
  - Air cooled, CFC free

- **Defrost Method Initiated Only as Needed**
  - Electronically monitored evaporator

- **Refrigeration System**
  - Air cooled, CFC free

- **Insulation**
  - CFC free-urethane

**Construction**

- **Outer Door**
  - Qty
  - 1 (dual pane glass)

- **Interior**
  - Zinc galvanized steel, Acrylic finish

- **Exterior**
  - Zinc galvanized steel, Acrylic finish

- **Door Lock Key**
  - Yes - with control panel switch

- **Interior Light**
  - Yes - with control panel switch

- **Shelves**
  - Qty
  - 4 (adjustable, wire)

- **Drawers**
  - Qty
  - —

- **Casters**
  - Qty
  - 4 (2 swivel, 2 fixed)

- **Access Port**
  - Qty
  - 3 (left, right, top)

- **Access Port Diameter**
  - 1.1 | 30

**Alarms**

- **Alarms**
  - (V = Visual Alarm, B = Buzzer Alarm, R = Remote Alarm)

- **Power Failure**
  - R (V-B optional)

- **Temperature (High and Low)**
  - V-B-R

- **Door Open**
  - V-B

- **Remote Alarm Contacts**
  - Normally open, Normally closed, Common

- **Remote Alarm Output**
  - DC 24V 2A

**Electrical and Noise Level**

- **Power Supply**
  - 115V, 60Hz, NEMA 5-15P requires 5-15P receptacle

- **Noise Level**
  - dBA
  - 48

**Options**

- **Blackout Panels to Cover Glass**
  - Qty
  - 1

**Optional Communication System**

- **Wireless, Cloud-Based, Automatic Data Management**
  - LabAlert® Monitoring System

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