



MPR-722-PE

MPR Pharmaceutical Refrigerators Chromatography application

Uniform storage temperature for Chromatography applications

The MPR-722-PE and the MPR-1412-PE offer a complete solution for the most demanding requirements for HPLC/chromatography systems. A temperature range of 2°C ~ 23°C is ensured even with heat emission from a HPLC/Chromatography system inside. An optional pull-out shelf makes setup and full access to HPLC/Chromatography instrumentation easy.

Wide Temperature Range

The temperature of the MPR-722 and MPR-1412 can be set between 2°C and 23°C.

Excellent Stability

The quiet, 120 mm diameter fan ensures an even temperature distribution throughout the cabinet.

User-friendly Design

The broad, solid frames with effective gaskets ensure excellent temperature stability, whilst double-pane glass windows offer an excellent view of the interior. Optional panels are available to block out light.



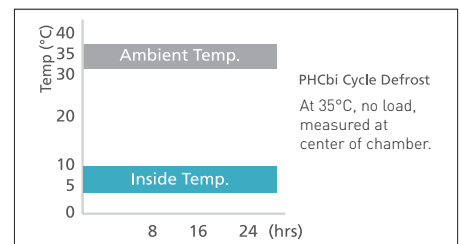
Heavy Load shelves

The pull-out Stainless Steel shelves were designed for the MPR-722-PE and the MPR-1412-PE in combination with the use of a HPLC/Chromatography unit. The special heavy-duty shelves ensure a safe work environment and can withstand a load of 100 kg.



Access Ports

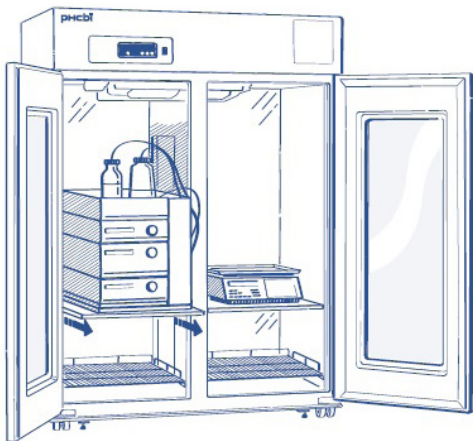
Three 30 mm access ports positioned on the left, right and the top allow easy connection to external power supply.



Uniform Storage

The 120 mm diameter fan ensures an even temperature throughout the cabinet. (MPR-1412-PE models have a double-flow system with two fans), creating tight $\pm 3^\circ\text{C}$ uniformity, whilst maintaining excellent recovery characteristics.

MPR Pharmaceutical Refrigerators



MPR-1412-PE

Easy access front control panel

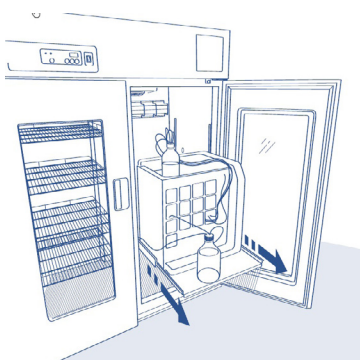
A large LED display of actual temperature with intuitive touch pad setting makes operation simple. It displays detailed temperatures with increments of 0.1°C.

Adjustable shelves

565 mm x 604 mm shelves are strong enough to withstand a load of up to 50 kg with ease. The shelves can be arranged to accommodate tall apparatus, such as chromatography equipment. Heavier equipment can be accommodated with the Heavy Load Shelves.

Heavy Load Shelves

The pull-out Stainless Steel shelves are designed for the MPR-722-PE and the MPR-1412-PE in combination with the use of a HPCL/Chromatography unit. The special Heavy Load Shelves ensure a safe work environment and can withstand a load of 100 kg. Upon customer request the heavy load shelf can be fixed on different heights. The MPR should be fixed to the wall to ensure that it will not fall forwards when pulling out the shelf.



MPR-1412-PE



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| Model Number | | MPR-722-PE | MPR-1412-PE |
|--|--------|--|---|
| Dimensions | | | |
| External dimensions (W x D x H) ¹⁾ | mm | 770 x 830 x 1955 | 1440 x 830 x 1950 |
| Internal dimensions (W x D x H) | mm | 650 x 710 x 1500 | 1320 x 710 x 1500 |
| Volume | liters | 684 | 1364 |
| Net weight (approx) | kg | 174 | 248 |
| Performance | | | |
| Temperature setting range | °C | 2 ~ 23 | 2 ~ 23 |
| 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 (cycle defrost), fully automatic | |
| Refrigerant ²⁾ | | HFC and HFO combined (CFC-Free) | |
| Insulation | | PUF | |
| Construction | | | |
| Exterior material | | Painted Steel | Painted Steel |
| Interior material | | Painted Steel | Painted Steel |
| Outer doors | qty | 1 door, double pane glass, self closing | 2 door, double pane glass, self closing |
| Outer door Lock | | Y | Y |
| Shelves | qty | 4 wire shelves, polyethylene-coated | 8 wire shelves, polyethylene-coated |
| Max. load - per shelf | kg | 50 | 50 |
| Max. load - total | kg | 200 | 320 |
| Heavy load shelf (see options)* | kg | | |
| Access port | qty | 3 | 3 |
| - position | | Left/right/top | Left/right/top |
| - diameter | Ø 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 ³⁾ | dB [A] | 48 | 48 |
| 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 |
| Heavy load shelf | | NU-MP720 | NU-MP1410 |
| - heavy load shelf* | qty | 1 shelf, stainless steel | 1 shelf, stainless steel |
| - max.load per shelf | kg | 100 | 100 |
| - dimensions | mm | W.625 x D 650 | W.618 x D.650 |
| External mounting power failure alarm | | MPR-48B1-PW [V-B] ⁴⁾ | MPR-48B1-PW [V-B] ⁴⁾ |
| Door window blanking plate | | MPR-72BP-PW (1 x) | MPR-72BP-PW (2 x) |

Appearance and specifications are subject to change without notice.

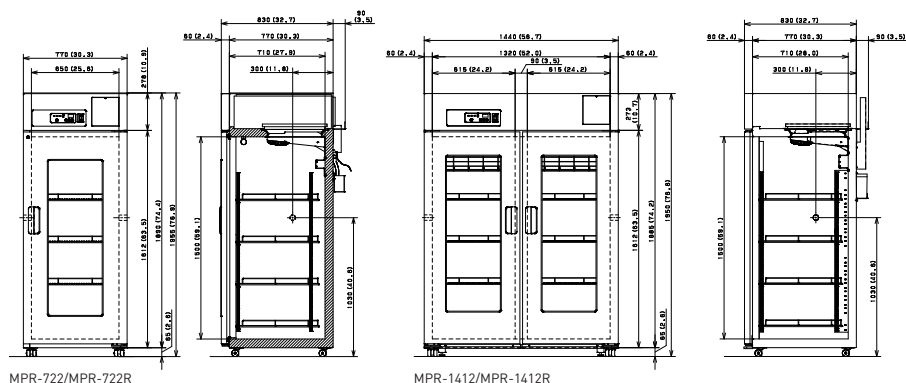
¹⁾ Exterior dimensions of main cabinet only, excluding handle and other external projections

²⁾ Complies with Art. 11, Annex III of F-Gas Regulation (EU) No 517/2014. Contains fluorinated greenhouse gases.

³⁾ Nominal value - Background noise 20dB

⁴⁾ Remote alarm comes with optional power failure alarm MPR-48B1-PW

* The heavy load shelf is not included and has to be ordered separately, see options



MPR-722/MPR-722R

MPR-1412/MPR-1412R