

MEHROTRA 
Biotech

LAB REFRIGERATOR

PR SERIES



INTRODUCING PR SERIES LAB REFRIGERATOR

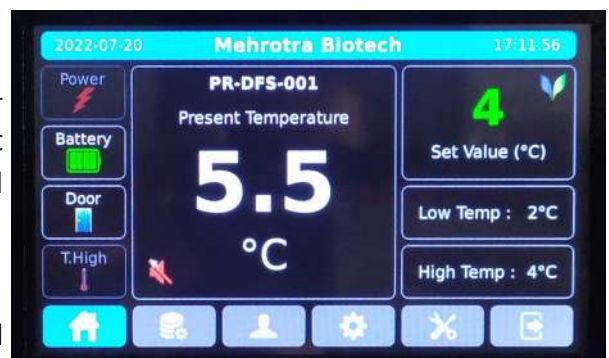
Mehrotra Biotech make PR Series lab refrigerators are designed with features that support sample protection and sustainability objectives for the storage of media, reagents, chemotherapy, pharmaceutical and other medical and laboratory-grade storage requiring 2° to 8°C.

- Designed to safely store medical and laboratory products, including vaccines, pharmaceuticals, media and reagents requiring a temperature range of **2°C to 8°C**
- Whisper quiet operation, enabling end users to work alongside the refrigerator without distraction
- Up to 40% less energy consumption than conventional refrigerant models.
- Environment friendly R134a refrigerants makes PR Series refrigerators a preferred choice by scientists and drug research laboratories.
- Operating temperature range of 2° to 8°C, factory set-point at 4°C
- Lower HVAC costs as a result of less heat emission into the environment.

LARGE DISPLAY CONTROLLER

• Advanced technology controller with that continuously monitors and maintains the SET TEMPERATURE that reduces risk of improper storage of vaccines and medical reagents

- Easy to use Large Touchscreen User Interface.
- Out of range Parameter warning with audio and visual alert notifications such as Door Open, Low Battery, Power Fail, & Temp out of range
- User access control with 'n' no of users with their profiles and list of username display
- On Screen data logger display with USB logging & Printing in a non editable format.
- On-Board Thermal Printer Support with time delay based data printing
- LAN Connectivity with single as well as multiple unit monitoring & data access
- On-screen sensor calibration settings
- Battery backup to controller for more than 12 hours.



Mehrotra Biotech Lab Refrigerators are manufactured using only high-quality, stringently tested materials that are particularly suitable for low temperatures. The units are extremely quiet, have been approved with the CE mark and are maintenance-free.

All designs are subject to change. Special makes available on request.

FEATURES

Temperature variation can have an impact on the viability and efficacy of vaccines, medication, reagents and other temperature-sensitive materials. These variations can shorten product shelf life, degrade enzymes and reduce vaccine effectiveness. Therefore, it is important to choose a high-performance refrigerator or freezer that has been designed for the demanding standards of the laboratory and clinical environment.

TOUCH SCREEN DISPLAY

PR360 is equipped with a full color 5 inches touch screen display control lets you easily make desired settings and take data output through USB port.



MICROPROCESSOR BASED CONTROLLER

Equipped with latest micro-controller based controller enhances the speed and accuracy of the system.



FORCED AIR CIRCULATION

Powerful yet compact axial fan enables temperature uniformity that continually adapts to the set temperature values.



QUIET OPERATION

Compared to conventional refrigerant, the PR Series offers a whisper quiet operation, so you can concentrate on your working while refrigerator is operating inside the lab.



AUDIO/VISUAL ALARM

Visual/ acoustic alarm for higher/ lower temperature, door open and power failure



DATA EXTRACTION

Touch Screen based microcontroller having the facility of accessing the record of Temperature and alarm events as per user selected data of Date and time through USB port.



TECHNICAL SPECIFICATIONS

MODEL FEATURES	PR 360	PR 450	PR 600	PR 1000
Material of Construction (I/O)	Galvanized metal sheets	Galvanized metal sheets	Galvanized metal sheets	Galvanized metal sheets.
Dimensions (Internal) (WxDxH)	476 x 531 x 1311 mm	492 x 540 x 1664 mm	655 x 540 x 1664 mm	941 x 644 x 1581 mm
Dimensions (External) (WxDxH)	572 x 686 x 1854mm	600 x 730 x 1986mm	750 x 686 x 2070mm	1029 x 724 x 2032mm
Set point	+4 ⁰ C	+4 ⁰ C	+4 ⁰ C	+4 ⁰ C
Capacity (L)	360	448	597	941
Door Type	Glass door	Glass door	Glass door	Glass door
Door Closing	Automatic	Automatic	Automatic	Automatic
Weight (kg)	83	101	115	187
Circulation	Forced air circulation	Forced air circulation	Forced air circulation	Forced air circulation
Shelves	4 (Adjustable)	5 (Adjustable)	5 (Adjustable)	10 (Adjustable)
Display (OPTIONAL)	5" TFT Touch Screen	5" TFT Touch Screen	5" TFT Touch Screen	5" TFT Touch Screen
Refrigerant	R134a	R134a	R134a	R134a
Alarm	Power failure, Low Battery, Temperature variation, Open door	Power failure, Low Battery, Temperature variation, Open door	Power failure, Low Battery, Temperature variation, Open door	Power failure, Low Battery, Temperature variation, Open door
Battery backup	6 hours	6 hours	6 hours	6 hours
Voltage supply	230V, 50Hz.	230V, 50Hz.	230V, 50Hz.	230V, 50Hz.
Power Consumption	330 W	450 W	550 W	660 W
Chart Recorder	Optional	Optional	Optional	Optional
USB Port	Yes	Yes	Yes	Yes
Door Lock	Yes	Yes	Yes	Yes

OPTIONAL ACCESSORIES

21 CFR COMPLIANT SCADA software System with unique controlling features: Email Configuration, Company Information, Distance monitoring, Event log App based mobile accessing monitoring features.

CIRCULAR CHART RECORDER



CASTOR WHEELS



Mehrotra Biotech Pvt. Ltd.

**M&M TOWER B-22 23, VIBHUTI KHAND, GOMTI NAGAR,
Lucknow- 226010**

Tel + 91 522- 2720663, 9838203520

E-mail: sales@mehrotrabiotech.com, service@mehrotrabiotech.com.

Website: www.mehrotrabiotech.com