

PLE 101 CHROMATOGRAPHY REFRIGERATOR

Pooja Chromatography refrigerators represent the next step in refrigerated equipments. They are contemplated for a wide range of applications that requires close temperature control, full access to Chromatography instrumentation and easy set-up of instrumentation and equipments within the refrigerator. The refrigerators are superior to commercial food service refrigerators, which are not recommended for life science or laboratory application. Choose from five models size available in non-GMP and GMP version.

REFRIGERATOR SYSTEM

- Heavy-duty refrigeration system
- Digital control system
- Positive airflow systems and industrial quality cabinet construction
- Compressor for industrial, clinical and scientific use
- Higher capacity industrial grade hermetically sealed air-cooled Kirloskar Copeland make compressor is coupled with forced air evaporation system.

CONTROL SYSTEM

- Top mounted control system
- Digital electronic technology to simplify operations that deliver greater accuracy
- Audio/visual display for over temperature and under temperature
- De-frosting timer
- Adjustable temperature controller range +2°C to +8°C. ± 1°C

CABINET CONSTRUCTION

- MOC in non-GMP interior and shelves are corrosion resistant SS-304 mirror finish and exterior is MS powder coated. In GMP interior and shelves are SS-316 mirror finish and exterior is SS-304 mat finish.
- High density CFC free PUF insulation ensures absolute insulation and energy conservation.
- Multi pane glass external doors on aluminum anodized frame with full magnetic gasket for proper sealing with lock and key.
- Non-conductive inner doors allow access to compartments. This minimizes cold air loss in the unopened compartments.
- Two adjustable rods for clamping columns.
- Two portholes with rubber bush closer and two trays with adjustable shelf.
- Two duplex vapor proof interior outlet remains continuous ON.
- Inner light with door activated switch.
- Positive forced air circulation maintains temperature uniformity at all shelf levels.
- For easy mobility the unit is mounted on heavy-duty caster wheels.

ADDITIONAL SAFETY SYSTEMS

- Safety time delay and built-in overload protection for compressor, safety fuse for mains and compressor.
- In order to protect the refrigerator contents a safety thermostat is installed to cut-off compressor power supply incase of failure of controller.



Model No.	Capacity ltrs/cu. ft	No. Of door	Interior dime. W x D x H inches/mm	Exterior dime. W x D x H inches/mm
PCR-01	0600 / 21.08	2 Nos.	44 x 18.0 x 46 (1118 x 0457 x 1168)	50 x 25.0 x 75 (1270 x 0635 x 1905)
PCR-02	0817 / 28.65	2 Nos.	44 x 22.5 x 50 (1118 x 0572 x 1270)	50 x 29.5 x 79 (1270 x 0749 x 2007)
PCR-03	0947 / 33.23	2 Nos.	44 x 22.5 x 58 (1118 x 0572 x 1473)	50 x 29.5 x 87 (1270 x 0749 x 2210)
PCR-04	1335 / 46.82	2 Nos.	62 x 22.5 x 58 (1575 x 0572 x 1473)	68 x 29.5 x 87 (1727 x 0749 x 2210)
PCR-05	2491 / 87.40	2 Nos.	62 x 42.0 x 58 (1575 x 1067 x 1473)	68 x 49.0 x 88 (1727 x 1245 x 2235)

OPTIONAL ACCESSORIES

- Imported Microprocessor based PID digital controller with dual display for showing SET value and PROCESS value.
- Printer interface facility to record on 80 col. dot matrix printer set value, actual value, date and time with variable print interval supplied without printer (The facility can provide only with PID controller)
- 80 col. Dotmatrix printer with stand
- Safety alarm system for external hooter incase of temp. Overshoot
- Multi-channel temperature scanner, sensors, dotmatrix printer interface and data storing facility
- PC interface communication card to use with for the imported control system. (Hardware for each chamber)
- Window based software for Data Management
- 2/3 wire shielded cable
- Additional Trays
- Standby refrigeration system incase of regular system fails complete with controller for non-stop operations

PRE-INSTALLATION REQUIREMENTS

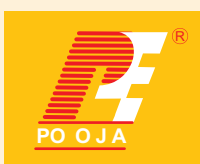
- Stabilized 230V 50Hz AC single-phase 20amps power supply with MCB and proper earthing within the radius of one meter from the installation.
- To be installed in an air-conditioned or in a cross ventilated, dust free and clean environment with free space around. (Room temperature should be below 30 deg. C)
- Zero level flooring and Floor level drainage within the radius of one meter from the installation.

NOTE: Specifications are subject to change because we design and manufacture products according to client's requisite.

OTHER PRODUCTS INCLUDES:

- Pharmaceutical Refrigerator
- B.O.D. Incubator
- Ice Flaker
- Plant Growth Chamber
- Stability Chamber
- Freezer cum Refrigerator
- Photo Stability Chamber
- Deep Freezer minus (-) 80°C in vertical or horizontal
- Deep Freezer minus (-) 40°C in vertical or horizontal
- Deep Freezer minus (-) 20°C in vertical or horizontal
- Incubator Rotary Shaker with cooling & heating
- Vacuum Oven
- Cryostat Bath (Chiller)
- Plasma Freezer cum Blood Bank Refrigerator
- Vertical bacteriological Incubator
- Vertical Laboratory Oven
- Mortuary cabinet (single or multi body)
- Walk-in Stability Chamber
- Walk-in Cold Chamber / room.

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Pooja Lab Equipments

Mfrs. of: Scientific Instruments & Equipments

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