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Touching tomorrow....



Constant focus on technology & innovation

Leading in diversity

Strong culture of performance

Believing in trust & teamwork

Ambitious long term goals

Sustainable Strategy

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**Model No.: PLT-153(B)**

# ULTRA LOW TEMP. CABINET (DEEP FREEZER)

## APPLICATIONS

- **"TANCO"** brings the ultra-high-tech Microprocessor controlled, solid-state Low Temperature Cabinet (**Horizontal / Vertical Models**) micro control with CFC free refrigeration system to meet various standard applications in diverse industrial applications such as medical, biochemical and research laboratories.
- It is ideal laboratory freezer to provide a perfect freezing environment for the preservation of vaccines, blood plasma, test samples, specimens at desired temperature **up to  $-86^{\circ}\text{C}$  in AC Room**.
- Also used for preservation of red blood plasma, white blood cell, skin, bone, bacteria, semen, biomedical products in small medium and large blood centers.
- Suitable for hospitals, drugstore, pharmaceuticals factories, sanitation, anti-epidemic stations and R&D Labs.

## SALIENT FEATURES & CONSTRUCTION

- Single Door.
- Noise level 50dB.
- Refrigerant used in hydrocarbon type in the unit.
- Direct cooling type.
- Manual Defrost Type.
- Interior made up of low temperature resistant Cryo Plastic & Exterior of galvanized steel with powder coating.
- Ergonomic Design.
- Outer front double walled door is insulated and is fitted with magnetic tape for air tight closing for no temperature loss, provided with lock and key arrangement.
- Ultra Low Temperature Cabinet is fitted with **Cascade Refrigeration System**.
- Refrigeration system by advanced technology by using two compressors (Imported) with Cascade System Condensing Units CFC free & R-134 a eco friendly refrigerant.
- The two-time foaming technique is used to protect isolation layer from being damaged by low temperature.
- Leakage of cold air is prevented by using separate inner & outer doors.
- High grade PUF INSULATION between outer and inner chamber for minimal thermal losses.
- Four point sealing in external and internal door to ensure minimal temperature loss.
- Safety lock to prevent unauthorized access.
- Adjustable shelves are convenient to place articles.
- Having facility for Temperature reading from USB Interface type.
- Control panel having all controls and circuitry are housed at the top fitted with Temperature controller cum Indicator Microprocessor based with LED display for Set Value (SV) & Process Value (PV).
- Temperature range  $-40^{\circ}\text{C}$  ~  $-86^{\circ}\text{C}$ , adjustable with increment of  $1^{\circ}\text{C}$ .
- Working efficiently at ambient temperature range from  $10^{\circ}\text{C}$  to  $32^{\circ}\text{C}$ .
- Freezer capable to producing two type of alarm output: audible buzzer and visible flashing light.
- Malfunction audio-visual alarms for High/Low Temperature, Hot Condenser, Power Failure, Sensor Error, Low battery, High ambient temperature & Door Ajar.
- Display panel at eye level showing simultaneously: Cabinet Temperature, Temperature set points, Ambient Temperature, & Input voltage.
- Four internal compartments isolated from each other with insulated door to ensure minimal temperature loss during standard operation of freezer.
- Pressure equalization designed door / vacuum relief port for easier door opening.
- Built-in over/under voltage compensating capability.
- System fitted with Temperature Chart recorder (optional when required).
- Caster wheel mounted for easy portability.
- Two port holes provide for temperature monitoring.
- Filter detachable & washable for sustaining freezer efficiency.
- Capacity: 700 Ltr.
- Exterior Dimension : 1041 x 980 x 1980 mm (W x D x H).
- Supplied with Automatic Voltage Stabilizer.
- Operating Voltage: 220/240 Volts AC (50 Hz).

