

# LOW TEMP. CABINET VERTICAL (DEEP FREEZER)

## THE PLT - 153 SERIES

### APPLICATIONS

- "TANCO" brings the ultra-high-tech Microprocessor controlled, solid-state Low Temperature Cabinet (**Vertical Models**) with micro control and CFC free refrigeration system. to meet various standard applications in diverse industrial applications such as medical, agricultural institutions, bio-chemical industrial 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 (**Available in 3 Models i.e. 20°C, 30°C, 40°C.**)
- Also used for preservation of red blood plasma, white blood cell, skin, bone, bacteria, semen, biomedical product in small medium and large blood centers.
- Suitable for hospitals, drugstore, pharmaceuticals factories, sanitation and anti-epidemic stations and clinics.

### SALIENT FEATURES & CONSTRUCTION

- Robust construction Outer chamber is made of Mild Steel duly pre treated & finished with powder coated paint for lasting finish.
- Inner chamber made of STAINLESS STEEL SHEET (304 Grade).
- 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.
- Door operated illumination lamp is fitted inside the chamber for easy visibility.
- A full view inner plexi-glass door enables inspection and monitoring of inner chamber specimens without disturbing the process temperature.
- High grade PUF INSULATION between outer and inner chamber for minimal thermal losses.
- Direct cooling system for stable temperature control by ISI marked Compressor/Condensing Units CFC free & R-134 a eco friendly refrigerant.
- 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) to select any desired temperature provided with Volt meter on the panel to read the incoming voltage.
- Caster wheel mounted for easy portability.
- Supplied with cord and plug.
- Operating Voltage: 220 Volts AC (50 Hz).



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## TECHNICAL SPECIFICATIONS & ORDERING INFORMATION

Vertical Model No.	LDF-4	LDF-6	LDF-10
Approx Volume (Ltr)	112	170	285
Capacity Cu.ft.	4 Cu.ft.	6 Cu.ft.	10 Cu.ft.
No. of Shelves	2	2	2
Chamber Size in MM	610 x 450 x 410	845 x 500 x 400	870 x 570 x 560
Temperature	Available in 3 Models i.e. 20°C, 30°C, 40°C.		
Temp. Controller	By Microprocessor Based PID Digital Temperature Indicator cum Controller.		
Temp. Accuracy	±1°C		
Display:	LED Display for Set Value(SV) and Process Value (PV)		
Relay	Solid state electronic relay with protective heat sink.		
Insulation	By High density PUF insulation		
Operations	Nearly silent operation with ultra-low vibration		
High Voltage Protection	Through automatic voltage stabilizer (Optional)		
Electric Supply	220/230V AC, 50/60Hz		

## OPTIONAL FEATURES

GMP models	With inner chamber & outer body complete made of Stainless Steel
Temperature Alarm	For High and Low Temperature Variations
Temperature Recorder	By Weekly temperature recorder
Printing Facility	By Built in Mini Printer to record temperature.
Controlling of Temperature	By Profile Digital Micro controller having 4 Programmers each of 16 steps (total 64 steps of ramp / soak profile)
PLC Based Control Systems	With Touch Screen Display with Direct Thermal / Dot Matrix Printer.
LCD Controller with Data Logger	(16 x 2) with optional RS-485 communication ports, cables Window based software with inbuilt data recording.
Communication Port	Communication Port with interface and data cable to download data to your PC.
Regulated Voltage	By Voltage stabilizer
Others Models:	Vertical Capacity: 170 ltrs/ 265 ltrs/ 425 ltrs are also available

**INSTRUCTIONS:** For Temperature range of more than -20°C system should be placed in ambient conditions where temperature does not exceed 30°C. & Use of AVS/Servo Controlled Voltage Stabilizer is strongly recommended.

