

ULTRA LOW TEMPERATURE CABINET (UP TO -80°C IN AC ROOM)

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, bio-chemical 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 80°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

- 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).
- 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.
- Safety lock to prevent unauthorized access.
- Adjustable shelves are convenient to place articles.
- 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 ranging from -10°C ~80°C provided with Volt meter on the panel to read the incoming voltage.
- Perfect audible and visual alarm systems (high or low temperature alarm, no battery alarm, door open alarm, filter blocking alarm, system failure alarm)
- Caster wheel mounted for easy portability.
- Supplied with cord and plug.
- Operating Voltage: 220 Volts AC (50 Hz).

THE PLT - 153(B) SERIES



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TECHNICAL SPECIFICATIONS & ORDERING INFORMATION

Model No.	ULT-1	ULT-2	ULT-3
Chamber Size in MM	400 x 400 x 550	500 x 400 x 845	560 x 570 x 870
Approx Volume (Ltr)	90	172	285
Capacity Cu.ft.	3 Cu.ft.	6 Cu.ft.	10 Cu.ft.
No. of Shelves / Compartments	2	2	3
Temperature Range	-10°C ~80°C in AC Room		
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)		
Temperature Alarm	For High and Low Temperature Variations		
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

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.
Printing Facility	By Built in Mini Printer to record temperature.
Temperature Recorder	By Weekly temperature recorder
Communication Port	Communication Port with interface and data cable to Download data to your PC.

