



We have pleasure in presenting you the **LABTOP**® environment friendly ultra plasma freezers with micro control and CFC free cascade refrigeration system.

LABTOP micro controller based Ultra Plasma Freezers are designed for quick freezing and storing of plasma and related blood components at desired low temperature as low as -80 °C. the system include controller with digital temperature display, temperature recorder, ON /OFF switch, Temperature alarm system with adjustable high / low alarm limits, includes audio visual alarm on temperature deviation.

These ULTRA PLASMA FREEZERS are specially designed for Blood banks and research laboratories The plasma freezers are hi-tech cascade refrigeration system to achieve temperature as low as -80 °C

**Calibration:**

The equipment is calibrated with the help of master calibrator, which is certified for its accuracy by Electronics Regional Testing Laboratory (ERTL West) Government of India recognized testing laboratory with traceable reference to National Physical Laboratories (NPL).

## **ULTRA PLASMA FREEZERS**

# ULTRA PLASMA FREEZERS



## Special Features

- ✓ Foamed - in place PUF insulation ensures temperature stability and reduced energy consumption.
- ✓ Audiovisual alarm if the temperature deviates from the set temperature.
- ✓ Display of set value and process value.
- ✓ Precise control of temperature by using micro controller based temperature controller.
- ✓ Cascade Refrigeration system with CFC free compressors and ECO- friendly refrigeration systems with time delay.
- ✓ Castor wheels for ease of mobility.

## Cabinet Construction and Refrigeration System

High density CFC Free Poly Urethane Foam insulated cabinet with corrosion resistant stainless steel interior, white powder coated exterior finish, Keyed door lock for improved security with magnetic door gasket Open stainless steel plasma basket, The cooling is effected by two hermetically sealed compressor of high quality. Complete Unit in total stainless steel (Inside an outside) is also manufactured by Skylab.

## Technical Specification:-

Cat No.	LUPF 90	LUPF - 170	LUPF 290	LUPF - 350
Volume	90 Liters	170 Liters	290 Liters	350 Liters
Inside Dim (W x D x H)	42x38x57 cms	50x43x85 cm	58x50x102 cms	60x53x105 cms
No. of basket	2, stainless steel	3, stainless steel	4, stainless steel	5, stainless steel
Temperature Range	-40 °C to -80 °C	-40 °C to -80 °C	-40 °C to -80 °C	-40 °C to -80 °C
Input Voltage	230 V AC	230 V AC	230 V AC	230 V AC
Recorder	7 days circular chart	7 days circular chart	7 days circular chart	7 days circular chart

## Optional Accessories

- 1 RS-485 interface for multiple networking.
- 2 Multi channel data logging system.
- 3 Mobile alert via GSM technology in case of system failure.
- 4 US FDA 21 CFR part 11 complaints web based communication software for data management.

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