



Micro controller based Plasma Freezers are designed for quick freezing and storing of plasma and related blood components at desired low temperature as low as -40°C. The system includes 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.

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).

CABINET CONSTRUCTION & 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, Air-cooled hermetically sealed compressor.

SALIENT FEATURES

- Micro-controller controls the internal temperature within $\pm 0.5^{\circ}\text{C}$.
- Foamed in place CFC free PUF insulation ensures temperature stability and reduced energy consumption.
- Audio visual alarm when the temperature deviates from the set temperature.
- Specially designed Stainless steel plasma baskets ensure even temperature distribution.
- Display of set value and process value.
- Stainless steel PUF insulated inner door to minimize the temperature loss.

TECHNICAL SPECIFICATIONS

Model No.	IFP-75	IFP-135	IFP-245	IFP-300
Volume	90 Liters	170 Liters	290 Liters	325 Liters
Inside Dim (WxDxH)	42x38x57 cms.	50x43x85 cms.	58x50x102 cms.	60x53x105 cms.
External Dim (WxDxH)	55x60x105 cms.	65x58x138 cms.	70x66x159 cms.	73x71x163 cms.
No. of basket	2, stainless steel	3, stainless steel	4, stainless steel	5, stainless steel
Temperature	-40°C to -35°C	-40°C to -35°C	-40°C to -35°C	-40°C to -35°C
Input Voltage	230VAC	230VAC	230VAC	230VAC
Recorder	7 days circular chart	7 days circular chart	7 days circular chart	7 days circular chart

OPTIONAL ACCESSORIES

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

* Design & specifications are subject to change without any prior notice.

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