

PLASMA THAWING BATH

M-Series
T-Series



General Features

Temperature range from 36°C to 100°C with micro controller based temperature controller includes digital temperature display of set value and process value. Equipped with Heater to ensure temperature maintenance at any set value between 37° Celsius to 100° Celsius. Micro Processor based controller for precise monitoring and controlling of temperature at 37 degree Celsius with Accuracy of 0.5 Degree Celsius. Table top configuration with top opening.

Cabinet Construction

- 1.The cabinet of MEDITECH thawing bath is insulated with high density CFC free Poly Urethane Foam 120 mm thick insulation.
- 2.Interior chamber is finished resistant stainless Steel (304, 0.8 mm thick).
- 3.The exterior, Outer cabinet - Mounted coated with broken white colour texture finish(1.0 mm thick) Mild Steel and the door has a magnetic gasket with a keyed lock.
4. high capacity pump to facilitate optimum and uniform thawing of plasma
- 5.Trays with individual compartment to ensure that ports of bags may be kept above water level during the procedure
6. mounted on heavy duty plastic foot

Temp Controller

Micro processor based temperature control with accuracy of $\pm 0.1^{\circ}\text{C}$

Time taken for one process – 15-20 minutes (for Plasma bags stored at -40 degree Celsius)

Temperature sensing method – Sealed Sensor dipper directly in the water

Audio Visual Alarm

- Audio-visual alarm if temperature deviates from preset temperature.
- Display of Set value & Process value.
- Low and high water Alarms
- Integrated pump for internal circulation maintains precise temperature uniformity throughout the liquid medium.
- Rounded corners for better water circulation and uniformity.
- Formed in place PUF insulation improves temperature stability and energy efficiency.

T-Series

Touch Screen Series with PLC

Cabinet Construction

As same as provided in M-Series



Special Features

1. large 7 inch touch screen with display of set and process value
2. Precise control of temperature by using micro controller based temperature controller.
3. Multiple language can be displayed on screen including English.
4. Integrated digital temperature cum controller with inbuilt 7 days circular chart recorder with battery back up of 3-4 hours to ensure display & recording of temperature even during power failures on touch screen.
5. Integrated data management system with storage efficiency of temperature records up to 1000 readings & facility to transfer data through pen drive to PC.
6. large 7" touch display with facility to see current and last 24 hours temperature recording, High & Low alarm points with date & time recording, power resumption / failure data
7. With backup power supply of control unit in case of electrical failure
8. Audiovisual alarm if the temperature deviates from the set temperature.
9. Display of set value and process value.
10. Refrigeration system with CFC free compressors and ECO friendly refrigeration systems with time delay.
11. Castor wheels for ease of mobility.
12. Door with heating element for inhibiting frost build up.
13. Printing Option : Supports following Dot matrix serial printers :
EPSON,SAMSUNG,TVS

1. Meditech can manufacture freezers according to customer Specifications and size
2. Full SS Body with life time warranty available on customer demand

PLC Based Controller



Scrolling LIVE Data logger on LED screen

1. Temperature
2. Incoming Voltage
3. Ambient Temperature
4. Time in hours of revolution chart
5. Current Date
6. Current Time
7. Battery Voltage

LED INDICATION

1. Line In
2. Power
3. Comp On
4. Heater On
5. Battery On
6. Battery Low
7. Temp High
8. Temp Low
9. Power Fail
10. Sensor Fail
11. Chart Change
12. System On

User Friendly Settings

1. Date
2. Time
3. High Temp Alarm
4. Low Temp Alarm
5. Hysterisis
6. Compressor Delay

MTUD Series

Model	MTPT01	MTPT02	MTPT03
Type	Vertical		
Storage capacity	6 nos of plasma bags	12 nos of plasma bags	18 nos of plasma bags
Door	made of 18swg CR Sheet, powder coated with structure finish and filled with formed in position PUF		
Miniature Circuit Breaker (MCB)	240V / 10 A		
Cabinet material	18 swg CR Sheet - powder coated		
Inner chamber	22 SWG Stainless Steel Sheet		
Input voltage	160 - 270 V, 50Hz, single phase AC		
Stabilizer	1KVA stabilizer inbuilt		
Chamber temperature range	-5 to 100 degree C		
Compressor	Hermetically sealed compressor		
Refrigerant	R134a		
Wheels	Caster wheels		
Temperature sensing method	Encapsulated digital sensor dipped in 0.25% glycerine solution kept in a plastic bottle		
Temperature controller	Temperature Recorder and Control Unit (TRCU)		
Accuracy of temperature sensor	(+/- 0.5°C)		
Display	4x7 segment LED (red)		
Display resolution	0.5°C		
Alarms & Indications	Line in	Visual	
	Power	Visual	
	Compressor ON	Visual	
	Heater ON	Visual	
	Temperature High	Audio - Visual	
	Temperature Low	Audio - Visual	
	Door open	Audio - Visual	
	Battery Low	Visual	
	Battery ON	Visual	
	Power failure	Audio - Visual	
	Sensor failure	Audio - Visual	
Chart change	Visual		

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