

# CRYO PRECIPITATE BATH

## M-Series



### General Features

Temperature range from  $-5^{\circ}\text{C}$  to  $100^{\circ}\text{C}$  with micro controller based temperature controller includes digital temperature display of set value and process value.

### Cabinet Construction

- 1.The cabinet of MEDITECH cryobath 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 is Sky Blue/white Pure Polyester powder coated (1.0 mm thick) Mild Steel and the door has a magnetic gasket with a keyed lock.
- 4.Acrylic trays are provided for holding plasma bags.
5. High density CFC Free Poly Urethane Foam insulated cabinet with corrosion resistant stainless steel interior and white powder coated exterior finish

### Temp Controller

Micro processor based temperature control with accuracy of  $\pm 1^{\circ}\text{C}$

### Audio Visual Alarm

- Audio-visual alarm if temperature deviates from preset temperature.
- Digital temperature display.
- 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.
- Calibration & Validation.

## 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		

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