

# PLASMA THAWING BATH



Quality, Management, Environment, Health & Safety Standards













**CDSCO Certified** 

**USFDA Listed** 

European CE

ISO 13485:

ISO 9001: IAF

7 Electric Safety Certifications



#### INTRODUCTION

MarkEn Automatic Plasma Thawing Baths ensure safe, fast, and reliable thawing of FFP, FEP, Apheresis, and cryoprecipitates, It ensures optimal recovery of coagulation factors and blood components by maintaining precise temperatures up to +56°C for optimal recovery of blood components. Ideal for laboratories and blood banks.

The MarkEn Plasma Thawing Bath is a compact tabletop unit with a top-opening stainless steel door and high-quality construction. Its double-walled design and deep inner chamber with rounded corners ensure efficient water circulation and uniform temperature distribution.

#### **DESIGN & CONSTRUCTION**

Lightweight, compact tabletop design for continuous operation.
Double-walled chamber with rounded corners for efficient water circulation.
Large open chamber and removable trays for easy cleaning and maintenance.

#### **PERFORMANCE & EFFICIENCY**

	Integrated stirrer, inline heater, and high-capacity pump ensure uniform thawing and precise temperature control.
\$\$\$\$\$\$ [][][][][][][][][][][][][][][][][	High-capacity heater and chamber volume enable rapid heat transfer and fast thawing.
$\bigcirc$	Thawing cycles complete in less than 20 minutes with programmable time settings.

#### **MONITORING & CONTROL**

00:00	Digital timer displays set time and remaining cycle in minutes.
	Real-time monitoring with set value and process value display.
a	Automatic water level detection with sensor alerts for water changes.

#### **SAFETY & CONVENIENCE**



User-interrupt function allows adding or checking bags during the cycle.

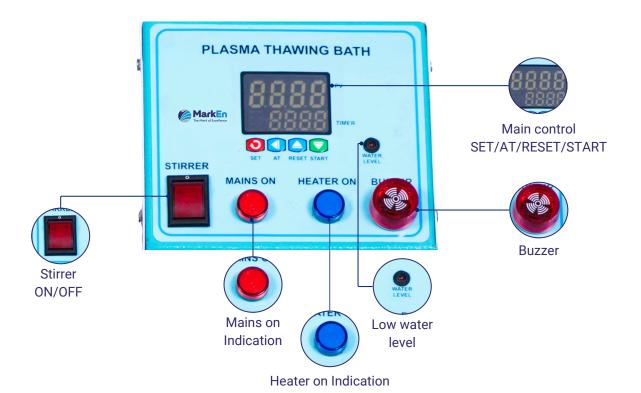




Drainage system with shut-off valve and easy-disconnect drain port for effortless emptying and cleaning.



# **CONTROL PANEL**





	TECHNICAL SPECIFICATION					
Make	MarkEn					
Volume	40 liters	60 liters	90 liters	120 liters		
Bags capacity	8 Bags	12 Bags	18 Bags	24 Bags		
External Body Dimensions (WxDxH) mm	600 x 400 x 450	800 x 500 x 550	900 x 600 x 650	1000 x 700 x 750		
Inner Chamber Dimensions (WxDxH) mm	500 x 300 x 350	700 x 400 x 450	800 x 500 x 550	900 x 600 x 650		
Туре	Benchtop					
Outer Body	CRCA/GI sheet with bacteria resistant powder coated finishing					
Inner Chamber	Stainless-steel 304G					
Insulation	Double-walled with glass wool insulation for improved temperature stability and energy efficiency.					
Tray	_	Removable trays with individual compartments ensure that the ports of pags are kept above the water level during the procedure.				
Temperature Range	20°C to 56°C adjustable with accuracy of ±0.1°C					
Timer Setting Range	1 minute to 4 hrs.					
Temperature Controller	Microprocessor based PID temperature controller with in-built programmable timer and process END buzzer.					
Temperature Sensor	PT100 Sensor for high-accuracy, platinum-based temperature sensors that provide precise temperature readings.					
Display	LED Digital display					
Resolution	+0.1°C					
Alarm System	Audible and visual alarm system for over-temperature, temperature deviation from the preset value, thawing completion cycle, leak detection with auto-stop, and low/high water levels.					
Thawing Mechanism	High-Capacity Pump and StirrerTemperature Maintenance: Controlled by a heater.Filter Near Water Inlet Inside Tank: Prevents clogging and restricts dust movement into the pump.					
Noise Level	<58 db[A]					
Average thaw time	20 minutes					
Power Consumption	600 Watts	900 Watts	1.5 kW	2 kW		
Weight (Net)	50kg	85Kg	110Kg	175Kg		
Power supply 220-240V 50Hz, AC single phase power supply						

### **CERTIFICATIONS**

Quality, Management, Environment, Health & Safety Standards





**USFDA Listed** 



8 products tested by a WHO-accredited laboratory



**European CE** 



**NABCB: ISO 13485** 



ISO 9001: IAF



ISO 14001: IAF



ISO 45001: IAF



7 Electric Safety Certifications



WHO GMP



BIFMA Certified, BIFMA Level 3



ASTM- Corrosion Free Products



**ISO 2409** 



& many other...



## **ALL-IN-ONE SOLUTION FOR**

Cold Chain Solution Medical Equipment **Blood Bank Equipment**  Hospital & Scientific Equipment Hospital Furniture & Infrastructure Commercial Refrigeration



Years of Excellence



Product Range



500+ Service center



**Committed Engineers** 



1,00,000+

Satisfied Users

#### **OUR ESTEEMED CUSTOMERS**























































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