

 **MARK ENTERPRISES**

Cryo Bath

Make: MarkEn

Model: MCB-02



Certifications:

ISO 14001:2015, ISO 9001:2015, ISO 13849-1:2015, IEC 60529-2004, IP69, ISO:45001:2018, CE (European notified Body with 4 digit), ISO 13485:2016, WHO-GMP, USFDA, BIFMA INTERNATIONAL, BIFMA.

Factory Add: Shed No.1, Plot No.93/2, Street No.17, Satpur, MIDC, Nashik-422007. Maharashtra. India.

Contact us: Web: www.markent.co.in Email: info@markent.co.in Cont No.+91 9309967021

MarkEn has been serving top-quality **Cryo Bath** to various industries. We are one of the leading manufacturers and suppliers of Cryo bath in Markets. Cryo Bath is a medical used in Laboratories and Blood Bank for Thawing Units of FFP i.e. Fresh Frozen Plasma and other blood components at required specific temperature levels operating from +2DegC to +56DegC.

MarkEn Cryobath is designed by good quality and fine range of quality accessories to match all the specific laboratory and process applications outer chamber is of mild steel and duly powder coated. Our product the Laboratory Cryobath has inner chamber made of SS 304. Foam in place puffed insulation improves temperature stability and energy efficiency. Cryo Bath which we provide is the latest in technology and highly user friendly.

Silent Features:

- For temperature maintenance at set point:
Integrated system of compressor- heater and pumping system.
- For Uniform and optimum thawing: High capacity pump.
- Microprocessor/PLC Based Controller:
For the precise monitoring and controlling of temperature at set Degree within accuracy of 1DegC.
- To Prevents contamination: A tray with individual compartments ensures that the ports of bags are kept above water level during the procedure.
- For easy transportation:
Four castor wheels (Lockable type - 2 nos; Non-lockable type -2 nos.
- Maximum time taken for one process:
2 hours for Plasma Bags stored at -40DegC.
- Certification: USFDA Approved.
- Safety standard EN61010-1.
- Manufacturing Standard: ISO 9001: 2015, ISO 13485:2016.



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Technical Specification of Cryo Bath	
•oMake	MarkEn
•oModel	MCB-02
•oCapacity (in terms of bags)	12 regular fresh frozen plasma filled bags
•Tray	Removable tray of 6 x 2 configuration, individual compartments for holding plasma bags.
•oOperating temperature	+3.5°C to +4.5°C adjustable with setting accuracy of $\pm 0.1^{\circ}\text{C}$.
•oProgrammable temperature range of controller	+2°C to +56°C
•oTimer setting range	0-4 hrs
•oInner tank	Stainless steel 304
•oTemperature controller	Microprocessor based digital controller.
•oTray	Removable SS tray of individual compartment for holding plasma bags.
•oThawing Mechanism	<ul style="list-style-type: none"> •Pumping mechanism: High Capacity Pump. •Maintenance of Temperature: By Heater & compressor. •Cooling coils: Are routed in a way to transfer maximum cooling. •Filter near water inlet inside tank: Prevents clogging and movement of dust into the pump.
•oExternal dimensions (W x D x H) mm	840x490x750 (with castor wheel)
•oTemperature sensing method	Sealed sensor dipped directly in the water.
•oAlarms	High temperature (audible & visual), Low temperature (audible & visual) Timer end (audible & visual).
•oDisplay	4x7 segment LED (red)/LCD
•oDisplay resolution	0.1°C
•oPower Consumption	1550W
•oWeight (Net)	80 kg
• o Stabilizer	2KVA External Stabilizer (Optional)
•oPower supply	230+/-10% Volts 50Hz,15A single phase AC.



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