

CRYOSTAT CIRCULATING BATH

Brand- **BIOGENIX®**



Product Description

Owing to devoted experts, we have been competent to present a wide range of **Low Temperature Cryostat Bath**. These products are made as per industry norms and standards.

BIOGENIX makes laboratory Low Temperature Water Bath are designed and fabricated to suit various I.S. Standards application in the growing field of Distillation, medical, agricultural institution, bio-chemical industrial, Research laboratories and various industries.

SALIENT FEATURES & CONSTRUCTION FOR REFRIGERATED WATER BATH

CIRCULATINGA compact refrigerated/heating circulator.

- Double walled construction.
- Inner Tank made of Stainless Steel (SS-304 grade).
- Outer chamber is made of Mild Steel duly powder coated.
- Heating by immersion heaters
- Cooling by sturdy refrigeration unit done by ISI mark compressor / Condensing Units CFC free & R-134 a eco friendly refrigerant.
- Temperature range -20°C TO 40°C
- Controls temperature within an accuracy of $\pm 2^{\circ}\text{C}$ by microprocessor based digital temperature indicator cum controller.
- Temperature stability is maintained by internal circulation in bath
- Thermal loss is prevented by filling PUF (Insulation) in space between the outer body & stainless steel tank.
- Low noise level.
- To work on 220/230V AC supply.

Control Panel - The equipment is provided with a control panel fitted with Programmable Microprocessor based Digital PID controller with LCD/ LED display of temperature with up and down setting keys, speed control knob for stirrer to maintain the uniformity of the temperature of water at all the places, pilot lamps. ON/ OFF switch.



Control Panel

TECHNICAL SPECIFICATION

Brand	BIOGENIX
Bath volume	8 Litres. (approximate)
Temp. set Range	-20°C to 40°C
Accuracy	± 0.2 °C
Resolution	0.1 °C
Controller	PID Microprocessor Controller
Material	Stainless steel SS304
External material	Mild Steel Duly Powder Coated insulation Polyurethane foam
Heater	1000 W
Pump Capacity	Height 10 Lt./ min
Bath (W×D×H)	180×310×200 Size (mm)approx
Overall (W×D×H)	330×430×690
Top open (W×D×H)	180×140 approx
Safety over Current fuse	over Temp. cut off
Refrigerant	CFC Free
Refrigerator(watt)	250 W

APPLICATIONS OF CIRCULATING WATER BATH

- The unit serves the dual purpose i. e. it can be used as a stand alone unit. As well as, a part or subsystem of some bigger system.
- Temperature Range - 20°C TO 40°C controlled by Microprocessor based Digital Temperature Controller cum Indicator.
- The Unit is ideal for external temperature control applications to external systems such as Rotary Vacuum Evaporators, Refractometers, Polarimeters, Fermenters, Electrophoresis Chamber, Chromatography Columns, Condensers, Rheometers, and general laboratory cooling applications.



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