

## CIRCULATING WATER BATH

Advanced Heating & Circulation  
for Precision & Uniformity

### INTRODUCTION

Equipaxis Circulating Water Bath is a high-performance temperature control system designed to deliver reliable, efficient, and consistent heating with enhanced uniformity. Ideal for laboratories, research institutes, and industrial applications, it ensures precise temperature maintenance for critical processes.

Equipped with a built-in motorized circulation system and PID-controlled accuracy, the unit provides superior temperature uniformity throughout the chamber, making it perfect for sample incubation, reagent preparation, and sensitive thermal applications.



### KEY FEATURES

- Superior Temperature Uniformity**  
Built-in motorized pump ensures continuous water circulation for uniform temperature distribution across the chamber.
- Precision Temperature Control**  
PID-based controller delivers accurate and stable temperature control ( $\pm 0.5^{\circ}\text{C}$ ) for reliable and repeatable results.
- Wide Temperature Range**  
Operates efficiently from ambient  $+5^{\circ}\text{C}$  up to  $99^{\circ}\text{C}$ , suitable for a variety of laboratory applications.
- Robust Construction**  
Inner chamber made of high-grade stainless steel with a powder-coated outer body for durability and corrosion resistance.
- Efficient Heating System**  
Immersion heater ensures quick heating and consistent thermal performance.
- Advanced Insulation**  
Glass wool / PUF insulation minimizes heat loss and enhances energy efficiency.
- User-Friendly Operation**  
Digital display with timer function allows easy monitoring and precise control of operating conditions.
- Safe & Reliable Operation**  
Designed with durable components and stable construction for long-term, continuous usage.



Precision Heating with Perfect Uniformity

## SPECIFICATIONS

Temperature Range	Ambient +5°C to 99°C
Temperature Accuracy	±0.5°C
Temperature Uniformity	±0.5°C
Circulation System	Built-in motorized pump
Timer	Yes
Display	Digital Display
Temperature Controller	PID Controller
Inner Chamber Material	Stainless Steel
Outer Body Material	GI sheet powder coated
Insulation	Glass wool / PUF (Polyurethane Foam)
Chamber Construction	Double walled rectangular chamber
Heating System	Immersion heater
Power Supply	220/230V AC

## AVAILABLE MODELS

Model No	Chamber Dimensions	Chamber Capacity	Wattage
EA501	10"x8"x7" (250X200X175 mm)	10 Ltr	1.0KW
EA502	12"x10"x7" (300X250X175mm)	14 Ltr	1.0KW
EA503	12"x12"x7" (300X300X175mm)	17 Ltr	1.5KW
EA504	14"x12"x7" (350X300X175mm)	20 Ltr	2.0KW
EA505	18"x12"x7" (450X300X175mm)	25 Ltr	2.0KW

## SAFETY FEATURES

- ▶ Over Temperature Protection System
- ▶ Low Water Level Safety Protection
- ▶ PID Controlled Thermal Safety Monitoring
- ▶ Double-Walled Insulated Chamber Safety
- ▶ Electrical Overload & Circuit Protection



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