

WATER BATH - LAB WATER BATH



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A Water Bath is a fundamental Water Bath Instrument used in scientific research to provide indirect, uniform heating to samples via a liquid medium. The ToronWB™ series offers a comprehensive range of Lab Water Bath solutions, from versatile multi-position models to high-precision circulating systems. These instruments are engineered with corrosion-resistant stainless steel chambers and advanced control systems to ensure stable thermal conditioning up to 100°C.

Application

The ToronWB™ Water Bath Equipment series is designed for a broad spectrum of laboratory protocols:

- Biological & Clinical: Microbiological culture incubation, plasma thawing, serology, and enzyme-linked assays (ELISA).
- Analytical Chemistry: Chemical reaction heating, digestion, extraction, and colorimetric assays.
- Pharmaceutical: Dissolution testing, stability studies, and reagent warming.
- Advanced Research: Precision enzyme kinetics, molecular biology hybridization, and viscosity/rheology sample conditioning.
- Industrial & Food Science: Nutritional analysis, fat extraction, coliform detection, and material conditioning before mechanical testing.

Product Table Comparison

Feature	ToronWB™ EH Series	ToronWB™ D Series	ToronWB™ CT Series
Best For	High-throughput multi-vessel heating	Sensitive analytical & biological assays	Critical QC & external jacketed vessels
Heating Method	Multi-position Electric	High-Precision Digital	Super Constant Circulating
Temperature Range	RT+5°C ~ 100°C	RT+5°C ~ 100°C	RT+5°C ~ 100°C
Temp. Fluctuation	±1°C	±0.2°C	±0.2°C (LCD mode)

Feature	ToronWB™ EH Series	ToronWB™ D Series	ToronWB™ CT Series
Resolution	1°C	1°C	0.01°C
Capacity/Layout	1 to 8 opening positions	Open-top rectangular bath	Internal & external circulation

Why Choose the ToronWB™ Series for Your Water Bath?

Selecting the ToronWB™ series for your Lab Water Bath needs ensures a combination of durability, precision, and safety. Every Water Bath Instrument in our lineup is designed to solve the common challenges of thermal sample management.

- **Exceptional Thermal Stability:** While our standard Water Bath models provide reliable $\pm 1^{\circ}\text{C}$ control, the flagship CT series utilizes a combined internal and external circulating pump to maintain an industry-leading $\pm 0.02^{\circ}\text{C}$ stability.
- **Robust Construction:** Each Water Bath Equipment unit features a powder-coated quality steel housing and a corrosion-resistant SUS304 stainless steel inner chamber, ensuring longevity in demanding wet laboratory environments.
- **Operational Intelligence:** Systems include integrated circuit control and high-precision sensors (RTD or thermistor) for accurate regulation. The EH series specifically features a built-in self-diagnostic function to monitor electronic health.
- **Versatile External Capabilities:** The CT Series includes a standard external circulation interface (10 mm OD / 8 mm ID), allowing you to deliver temperature-controlled fluid directly to external jacketed reactors or viscometers at $\geq 8\text{L/min}$.
- **Global Standards Compliance:** All models are manufactured in conformance with international safety and quality standards, including IEC 61010-1, IEC 61010-2-010, CE marking, and ISO 9001 .



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