

Metal Bead Thermostatic Bath LD-LBB-A10

Labodam Equipment Ltd.

info@labodam.com | www.labodam.com

Metal Bead Thermostatic Bath LD-LBB-A10

Overview

Labodam Metal Bead Thermostatic Bath is designed for controlled-temperature treatment of laboratory samples using a bed of thermally conductive metal beads. It provides an alternative to conventional water baths and fixed-hole metal block baths, supporting temperature-controlled incubation, preservation and reaction procedures. Its bead-based working medium accommodates a variety of laboratory vessels and provides an adaptable sample-conditioning environment.

Features:

- Bead-based design accommodates vessels of different shapes and sizes without relying on fixed-diameter block openings
- Compatible with centrifuge tubes, test tubes, microplates and microscope slides
- Dry operating arrangement helps keep the surrounding work area free from water spills
- No water evaporation, reducing the risk of the bath drying out during extended operation
- Does not require tube racks, bottle clamps or floats to hold samples in position
- Metal beads can be disinfected with 70% ethanol, avoiding the need to clean a water-filled tank with disinfectant
- Reusable metal bead medium supports reduced consumable waste
- Designed for energy-conscious operation compared with conventional water-bath arrangements

Applications:

Suitable for temperature-controlled incubation, preservation and reaction of samples in pharmaceutical, chemical, food-safety, environmental and quality-control laboratories. It can be used for routine conditioning of samples in compatible tubes, vessels, microplates and slides.

Specifications:

Heating time	?45 minutes (from 20°C to 80°C)
Power supply	AC 220 V, 50 Hz
Heating power	800 W
Temperature range	Ambient temperature +5°C to 80°C
Overall dimensions	510 × 420 × 235 mm (including insulation cover)
Bead filling volume	8 L (maximum filling volume: 10 L)
Working tank volume	15 L
Humidity fluctuation	±2.0% RH
Temperature fluctuation	±1.0°C
Working tank dimensions	320 × 320 × 150 mm

Over-temperature protection	Available