



Best Technology
For Your Laboratory

WATER BATH

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UM 22

Boiling & Serology Water Bath



Overview | UM22

Water Bath model UM22, is a Water Bath with highly accurate temperature controller. Precise microcontroller with ± 0.1 accuracy, pressed water tank and double-walled body are some of the unique features of this device.

This device is used in medical, research and industrial laboratories.

Main Features | UM22

Reinforced by Deep Drawn Ribbing Water Tank (Seamless, No Welding)

Wide Temperature Range (Ambient Temp-Boiling Temp)

Electrostatic Powder Paint Coated External Case

8 Rings Set Stainless Steel Plate (By Order)

Adjustable Digital Timer up to 999 Hours

Drain Valve for Convenient Emptying

Curved Corners for Easy Cleaning

Stainless Steel Inner Accessories

Perforated Stainless Steel Tray

Digital Display & Touch Keys

Stainless Steel Sloping Lid

Equipped with Error Alarm

Microprocessor Controller

Safety Thermostat

Special Benefits | UM22

High and Unique Accuracy

Two-Walled Case Design for Minimum Heat Transfer to the Outer Body (User Safety)

Independent Safety Thermostat for Cut-Out in Case of Dryness (Dry Protection)

Special Design for Minimum Space Occupation

Over Temperature & Damaged Sensor Alarm

Temperature Stability and Reproducibility

Auto Diagnostic Fault Detection

Uniformity Even Fully Loaded

Stability: $\pm 0.1^{\circ}\text{C}$

PT100 Sensor

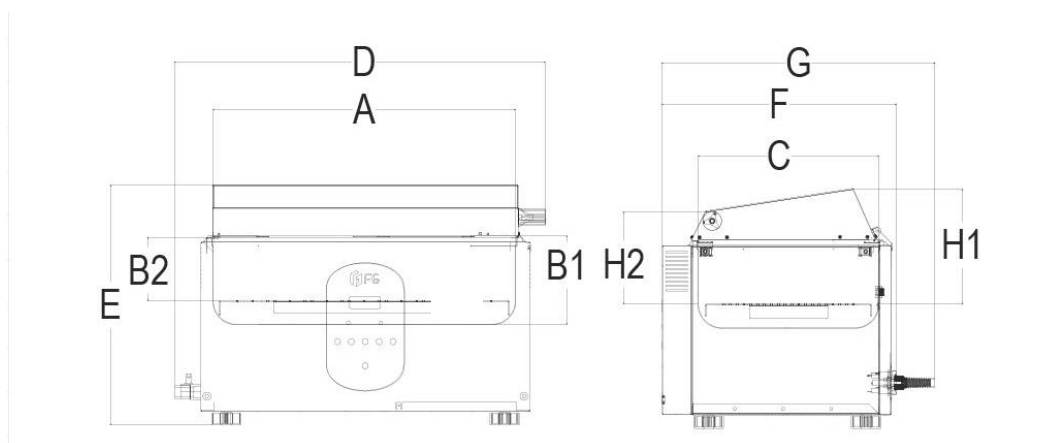
PID Controller

Service and Guaranty

10-Years After-Sales Service

2-Years Guaranty

Specification | UM22



Exterior Dimensions

Wall Clearance, Rear (cm)	10
Wall Clearance, Side (cm)	10
Length (Plus Door Handle and Valve) (cm) (D)	61.5
Depth with Door (incl. feet) (cm) (E)	40
Width (cm) (G)	40
Weight (empty) (kg)	15.5

Interior Dimensions

Interior Volume (l)	22
Depth (cm) (B1)	14.1
Depth from Plate (cm) (B2)	11.2
Depth from plate to long edge of door (cm) (H1)	19.5
Depth from plate to short edge of door (cm) (H2)	16
Length (cm) (A)	50.5
Width (cm) (C)	30
Load per Rack (kg)	5

Specification | UM22

Temperature Data

Temperature Range Approx. 5 °C above Ambient Temperature to (°C)	Boil
Display Accuracy @ 37 °C (Deviation) (±K)	±0.1
Display Accuracy @ 54 °C (Deviation) (±K)	±0.2
Temperature Fluctuation @ 37 °C (±K)	±0.1
Heating up Time to 70 °C (min)	55

Electrical Data

Power (W)	1540
Frequency (HZ)	50
Voltage (V AC)	220
Current (A)	7
Power Type	Single Phase
Plug type	CEE 7/7 plug (compatible with E and F)

Accessories | UM22

Customized Device Acceptable by Order

Refrigerated/ Heated Circulation Model Producible by Order

8 Rings Set Stainless Steel Plate (By Order)



Shaker System Installable

Calibration Certificate



Qualification Folder IQ/OQ/PQ



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