



Available Variants

1. Digital Constant Temp. Waterbath for Marshal Test - 3 Moulds - 100 mm
2. Digital Constant Temp. Waterbath for Marshal Test - 6 Moulds - 100 mm
3. Digital Constant Temp. Waterbath for Marshal Test - 9 Moulds - 100 mm
4. Digital Constant Temp. Waterbath for Marshal Test - 12 Moulds - 100 mm
5. Digital Constant Temp. Waterbath for Marshal Test - 18 Moulds - 100 mm
6. Digital Constant Temp. Waterbath for Marshal Test - 3 Moulds - 150 mm
7. Digital Constant Temp. Waterbath for Marshal Test - 6 Moulds - 150 mm
8. Digital Constant Temp. Waterbath for Marshal Test - 9 Moulds - 150 mm
9. Digital Constant Temp. Waterbath for Marshal Test - 12 Moulds - 150 mm
10. Digital Constant Temp. Waterbath for Marshal Test - 18 Moulds - 150 mm

Description

Double walled water bath specially designed for Marshal Stability Test. The inner chamber is made of mirror polished Stainless Steel S.S. 304 Grade and the exterior body is fabricated from Mild Steel with powder-coated finish. The gap between the inner chamber and exterior body is provided with glass wool insulation to prevent thermal heat loss.

Temperature is controlled by a Microprocessor based Auto-Tune Digital temperature controller cum indicator, while the constant-speed stainless steel stirrer maintains uniform temperature distribution within the bath chamber.

Applications

Specially designed for Marshal Stability Test and for maintaining controlled temperature during the testing process.

Apparatus Details

Double walled water bath with mirror polished S.S. 304 grade inner chamber, fully argon welded construction, Mild Steel powder-coated exterior body and glass wool insulation. It is fitted with a Microprocessor based Auto-Tune Digital temperature controller cum indicator and constant-speed stainless steel stirrer for uniform temperature distribution. Heavy platform is provided for accommodating Marshal moulds and breaking head assembly. Selected variants are supplied with a handle for easy lifting and placement of moulds, and a drain valve is provided.

Compliance Standards

ASTM D5581, ASTM D1559, AASHTO T245, EN 12697-12, EN 12697-34

Corporate Office:

A-1301, BVR Ek, Opp. Hotel Inder Residency,
Near Gujarat College, Ellisbridge,
Ahmedabad-380 006.
Phone : (079) 6621 1234
Website : www.eieinstruments.com

Calibration Laboratory:

Survey No. 1098, Nr. Mahakali Temple,
Opp. Primary School, Village Kubadthal,
Tal-Daskroi, Ahmedabad-382 433.
Phone: (079)-3520 8300
E-mail : info@eieinstruments.com

GST TIN No. : 24AABCE4018L1ZU
I.T. PAN No. : AABCE 4018L
IEC No. : 0813026598 Dt. 04/03/2014
CIN No. : U29199GJ2004PTC045078
TAN No. : AHME00572F



Specifications

Specification	Details
Type	Double walled water bath
Inner Chamber	Mirror polished Stainless Steel S.S. 304 Grade; fully argon welded
Exterior Body	Mild Steel, powder coated
Insulation	Glass wool insulation to prevent thermal heat loss
Temperature Controller	Microprocessor based Auto-Tune Digital temperature controller cum indicator / Digital Auto-Tune PID Controller
Temperature Range	5 °C above ambient to 100 °C
Temperature Accuracy	± 0.5 °C
Temperature Display	LED Digital Display
Temperature Sensor	PT-100 Sensor
Stirrer	Constant-speed / motorized stainless steel stirrer for uniform temperature distribution
Stirrer Material	S.S. 304 material to prevent rusting
Heater Type	Booster Heater & Permanent Heater
Heater Capacity	1000 Watts × 02 Nos.
Drainage	Drain valve provided to release chamber water after completion of test
Power Consumption	2.0 kW
Power Supply	230 Volts, 50 Hz, Single Phase, AC Supply
Mould Accommodation	Available in 3, 6, 9, 12 and 18 mould capacities
Mould Diameter	Available for 100 mm and 150 mm Marshal moulds
Handle	Supplied with handle for easy lifting or placement of moulds in applicable variants

Variant-Wise Specifications

Specification	Details
3 Moulds - 100 mm	Accommodates 3 Marshal moulds of 100 mm diameter; Overall Dimensions: 760 × 380 × 470 mm (L × W × D); Approx. Weight: 24 kg
6 Moulds - 100 mm	Accommodates 6 Marshal moulds of 100 mm diameter; Working Size: 11" × 16" × 16" (L × B × H); Volume: Approx. 17 Liters; Overall Dimensions: 900 × 380 × 470 mm (L × W × D); Approx. Weight: 29 kg

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Specification	Details
9 Moulds - 100 mm	Accommodates 9 Marshal moulds of 100 mm diameter; Working Size: 405 × 405 × 155 mm (L × B × H); Volume: Approx. 24 Liters; Overall Dimensions: 900 × 500 × 470 mm (L × W × D); Approx. Weight: 38 kg
12 Moulds - 100 mm	Accommodates 12 Marshal moulds of 100 mm diameter; Overall Dimensions: 1180 × 505 × 470 mm (L × W × H); Approx. Weight: 40 kg
18 Moulds - 100 mm	Accommodates at least 18 Marshal moulds of 100 mm diameter; Working Size: 16" × 16" × 11" approx.
3 Moulds - 150 mm	Accommodates at least 3 Marshal moulds of 150 mm diameter and breaking head assembly on heavy platform; Working Size: 15" × 15" × 6"; Capacity: 22 Liters
6 Moulds - 150 mm	Accommodates at least 6 Marshal moulds of 150 mm diameter and breaking head assembly on heavy platform; Working Size: 22" × 16" × 6" (W × D × H); Overall Dimensions: 1050 × 550 × 470 mm approx.; Approx. Weight: 38 kg
9 Moulds - 150 mm	Accommodates 9 Marshal moulds of 150 mm diameter; Working Size: 22" × 22" × 16" (W × D × H)
12 Moulds - 150 mm	Accommodates 12 Marshal moulds of 150 mm diameter; Heavy platform provided; Working Size: 22" × 22" × 16"; Approx. Weight: 60 kg
18 Moulds - 150 mm	Accommodates at least 18 Marshal moulds of 150 mm diameter and breaking head assembly on heavy platform; Working Size: 22" × 22" × 12"

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