



SUZUKI INSTRUMENTS

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CONSTANT TEMP. CIRCULATING WATERBATH (ABOVE AMBIENT)-

1. Circulation Thermostat with Digital Control with PT 100 sensor. Specially designed for circulation of liquids through instruments like Brookfield viscometer, spectrophotometer, refractometer, etc., at closely controlled temperatures.
2. Volume of tank : 5 lit. (approx.)
3. Capacity of pump : 3 lit./min. (flow rate)
4. Wattage : 750 W
5. Inner stainless steel & outer G.I. powder coated with pumping unit

Technical Specification

- Overall Dimensions



600 X 350 X 300 (L X W X H) MM

Plot No. A-803/804, Ajanta Ellora,
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Mumbai-400068, Maharashtra, India

E-MAIL : Suzuki.inst@gmail.com
<https://www.simaterialtestingservices.com>
M: 8169677956 / 9594084085



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CONSTANT TEMP. WATERBATH - FOR SPECIFIC GRAVITY TEST OF CEMENT- 8 TESTS

Compliance Standards

IS : 4031 (Part-11), ASTM C188, EN-196

Applications

The water bath in general will fulfill the requirements of IS:4031 (Part 11) Method of Physical tests for hydraulic cement (Determination of Density),

Technical Details

1. Microprocessor based digital temperature controller system.
2. Capable of maintaining temperature within $\pm 0.1^{\circ}\text{C}$ accuracy
3. Drainage System
4. Stand for each Le-Chatlier Flask cap. 250ml (8 Nos.)
5. It will be attached with cooling & heating arrangement system.
6. It will be fully covered.
7. Water bath body will be insulated.
8. Control panel will be at side of the bath.
9. Water circulation/stirrer will be provided to maintain uniform temperature of water.
10. Transparent (toughened glass) sheet will be provided in front and back position.



Supplied without Le-Chatelier Flasks.

The following Items are required to perform the test and available at extra cost

1. Electronic Weighing Balance with sensitivity of 0.0001 gm
2. Kerosene
3. Le-Chatlier Flask
4. Micro Funnel - 20mm dia

Technical Specification

•Volume of the bath	: 48 liter
•Material of construction	: Inner S.S. 304 and Outer M.S. with Powder Coating
•Working size	: 58 x 25 x 30 cm
•Outer Size	: 145 x 48 x 64 cm

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CONSTANT TEMPERATURE WATERBATH (HIGH PRECISION) -30X15X15-INNER S.S. CHAMBER

Outer chamber Galvanized Sheet-powder coated, Inner chamber of S.S.304, fully argon welded, 50mm thick Glass wool Insulation, specially designed immersion Heater, Built -in boost for initial heating, Temp. Range Ambient +5 to 99.9° C, Accuracy $\pm 0.1^{\circ}$ C at 37° C & Uniformity $\pm 0.2^{\circ}$ C at 37° C, Stirring achieved by an efficient, continuously rated, self cooling motor with SS shaft and propeller of anti-corrosive Material, stirrer fitted on side of the bath is allow obstruction free usage of working area. Working on 230 V single phase.

Salient Features : 1. Rectangular shape water bath 2. Double walled construction 3. Aesthetically designed 4. Compact and easy to clean 5. Outer body is made from Mild Steel material, which is powder coated in attractive shades 6. Inner chamber is fabricated from S.S. 304 - Mirror polished material 7. Fully argon welded construction 8. 50mm thick Glass wool Insulation is provided between the inner chamber and exterior body to prevent the direct thermal loss 9. Specially designed immersion Heater will be provided for heating within the set point temperature 10. Built - in boost heater will be provided for initial heating. 11. Motorized stirrer for uniform distribution of water temperature 12. Supplied complete with instruction manual

PHOTO:



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CONSTANT TEMPERATURE WATERBATH FOR MARSHAL TEST WITH DIGITAL CONTROLLER -3 MOULDS-100 MM-

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

Double walled water bath. Inner chamber is made of mirror polished stainless steel material S.S. - 304 Grade, Exterior body is fabricated from Mild steel material, which is powder coated in attractive shades.

Temperature ranges from : 5 °C above ambient to 100 °C, Temperature accuracy will be of ± 0.5 °C. Detailed specification as follows:

Salient Features:

1. Double walled water bath
2. Inner chamber is made of mirror polished stainless steel material S.S. - 304 Grade, **Fully Argon welded**
3. Exterior body is fabricated from Mild steel material, which is powder coated in attractive shades.
4. The gap between the inner chamber and exterior body is filled with glass wool insulation to prevent the thermal heat loss
5. Temperature inside the bath is controlled by Microprocessor based Auto-tune Digital temperature controller cum indicator.
6. Temperature ranges from : 5 °C above ambient to 100 °C,
7. Temperature accuracy will be of ± 0.5 °C
8. The bath is also fitted with a constant speed stainless steel stirrer to maintain uniform temperature distribution within the bath chamber.
9. The bath is so designed that it can accommodate at least 3 Nos. of 4" diameter marshal moulds and breaking head assembly on heavy platform.



Technical Specification

- Overall Dimensions : 760 X 380 X 470 (L X W X D) mm
- Weight (Approx.) : 24 kg

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CONSTANT PRESSURE SYSTEM - (OIL WATER) - FOR SINGLE CELL

Specifications:

1. The unit provides continuous variable pressure up to 0-20 kg/Cm².
2. Pressure is increased or decreased simply by turning a control knob.
3. Supplied complete with pressure gauge, flow valves and connecting pressure hose.

Technical Specification



•Range	: 0-20 bar (0-20 Kg/Cm ²)
•Steps of pressure	: 0.5 bar (0.5 Kg/Cm ²)
•Accuracy	: ± 0.5%
•Power Supply	: 230 Volt, Single phase, 50 Hz, A.C Supply.
•Overall Dimensions	: 690 X 390 X 690 (L X W X D) mm

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OIL BATH-ROUND-FOR PILOT PLANT-COMplete S.S.- ACCOMMODATES 5 LITERS FLASK CAPACITY

Double walled, Full S.S.304 construction, Fully argon welded, The Oil bath accommodates 5 Ltrs RB Flask or similar vessel. Temp range 50°C to 300°C, controlled by Digital Temperature controller. Heaters placed in such a way that, it provides clear bottom for placement of flask. Working on 230 Volts AC single Phase. Inner chamber in S.S.316 also available at extra cost

Applications:

- Laboratory high temperature heating applications
- Temperature sensor calibration also possible
- **Salient Features:**
- Aesthetic outer appearance
- Unique design
- Compact and bench top design
- All interior and exterior parts are argon welded
- Easy to operate
- Complete Stainless Steel Design
- Supplied without high temperature oil (Provided at extra cost)
- Supplied complete with cord wire and power plug.



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Optional accessories at extra cost:

1. Holder for temperature sensors/Thermometers @ Rs **1000.00**

Note:

Customer has to specify the exact application of Oil Bath at the time of order.

Technical Specification

•Inner chamber dimensions	: 275 x 275 mm (11" x 11") (Dia X Height)
•Bath Volume	: 16.32 Liters
•Can accommodate	: 5 Liters Capacity Flask
•Construction	: Double walled Construction
•Inner chamber	: Fabricated from polished stainless steel material S.S. - 304 grade
•Exterior body	: Fabricated from matt finished Stainless Steel material S.S. - 304 Grade
•Insulation	: Glass wool insulation between inner chamber and exterior body to prevent direct thermal heat loss
•Temperature Range	: From 5 °C above ambient to 300 °C
•Heating	: Heated by Immersion heaters installed within the inner chamber
•Temperature controller	: Microprocessor based Auto-Tune PID Digital Temperature controller cum indicator
•Temperature Stability	: ± 0.5 °C
•Temperature Accuracy	: ± 1 °C
•Heater control	: By control switch installed in the control panel
•Heater Status	: Control indication lamp
•Perforated Platform	: For placement of the flask or other glass wares
•Power Consumption	: 1.5 KW
•Operation on	: 230 Volts, 50 Hz, Single phase, AC Supply
•Overall Dimensions	: 400 X 480 X 390 (L X W X D) mm

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OIL BATH (HIGH PRECISION)-INNER S.S.-(40X30X30 CM)-

Double walled inside of S.S. 304 argon welded, outer made of CRC powder coated or S.S.304 (option at extra cost), with thick glass wool insulation, temperature range 5°C above ambient to 200°C. Dual Display Microprocessor Based Digital Temp. Controller with an accuracy of +1°C. Fitted with stirrer on the side of the bath at the top. Working on 230 V AC Single phase

Salient Features:

- Aesthetic outer appearance
- All internal parts are argon welded
- Easy to operate & clean
- Low maintenance
- Bench top design
- Supplied without high temperature oil
(Provided at extra cost)
- Supplied with power cord and cable
- Also, supplied complete with
Thermometer/Sensor holder



Note : Please let us know the exact application of the bath at the time of order

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Technical Specification

•Bath chamber Size	: 40 x 30 x 30 cm (W x D x H)
•Bath Volume	: 36 Liters
•Construction	: Double walled Construction
•Inner chamber	: Fabricated from polished stainless steel material S.S. 304 grade

•Exterior body	: Fabricated from Mild steel material
•Paint	: Powder coating in attractive shades
•Insulation	: Glass wool insulation between inner chamber and exterior body to prevent direct thermal heat loss
•Temperature range	: From 5 °C above ambient to 300 °C
•Heating	: Heated by Immersion heaters installed within the inner chamber
•Temperature controller	: Microprocessor based Auto Tune PID Digital Temperature controller cum indicator
•Temperature Display	: Digital LED Display
•Temperature Stability	: ± 0.5 °C
•Temperature accuracy	: ± 1 °C
•Temperature sensor	: PT-100 Sensor
•Heater control	: By control switch installed in the control panel
•Heater Status	: Control indication lamp
•Stirrer	: Operates by DC Motor, which is fitted on the side top of the bath
•Stirrer Motor	: Standard motor of reputed make such as GE, Crompton Greaves or Marathon
•Motor RPM	: 1360 RPM
•Stirrer Switch	: On off switch fitted in the control panel
•Power Consumption	: 02 KW
•Operates on	: 230 Volts, 50 Hz, Single phase, AC Supply

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Oil Bath (For pilot plant)



Oil bath (Round) Digital model Selection Guide

Chamber size (D X H)	Chamber capacity	Digital GMP Model Numbers (EIE-407DG)	Digital Powder coating Model Numbers (EIE-407DP)
12.5 cm X 10 cm	1 Liters	EIE-407DG1	EIE-407DP1
17.5 x 12 CM	3 Liters	EIE-407DG3	EIE-407DP3
17.5 x 20 CM	5 Liters	EIE-407DG5	EIE-407DP5

Oil bath (Rectangular) Digital model Selection Guide

Chamber size (D X H)	Chamber capacity	Digital GMP Model Numbers (EIE-407DG)	Digital Powder coating Model Numbers (EIE-407DP)
30 x 30 x 30 cm	27 Liters	EIE-407DG27	EIE-407DP27
40 x 30 x 30 cm	36 Liters	EIE-407DG36	EIE-407DP36



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Round Jar Bar - Kinematic Viscosity

Type	All Type
Material	Stainless Steel
Voltage	230/240 Volts
Power	50 Hz,Ac Supply
Phase	Single phase
Country of Origin	Made in India

We are Leading manufactureres and Traders of Round Jar Bar - Kinematic Viscosity.

Note : Price will be change as per specification

IMAGES OF PRODUCT:



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LOW TEMPERATURE WATERBATH - 5 LITERS CAPACITY

MEETS THE REQUIREMENT OF ASTM D5

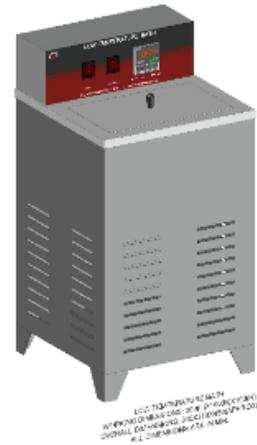
Salient Features:

- Double walled
- Highly efficient model
- Aesthetic outer appearance
- Easy operation and hassle free maintenance
- Automatically maintains the set temperature
- Complete with re-circulating unit for temperature uniformity
- Incorporates refrigeration compressor
- Multi purpose unit useable for many other laboratory applications

Technical Specification

•Construction	: Double walled
•Inner chamber	: Stainless steel S.S. - 304
•External body	: Mild steel
•Exterior Body Paint	: Powder coating
•Insulation thickness	: 75mm
•Temperature controller	: Microprocessor based PID digital controller
•Temperature Accuracy	: ± 0.5 °C
•Temperature Range	: 5 °C - 50 °C
•Temperature Resolution	: 0.1 °C
•Temperature Uniformity	: ± 1 °C
•Heating element	: Immersion heaters
•Refrigeration System	: Hermetically sealed ISI marked KIRLOSKAR OR EQUIVALENT make compressor for minimum noise level and smooth operation
•Refrigerant	: R-134A Gas
•Motorized Stirrer	: For uniform temperature distribution
•Stirrer material	: Stainless Steel S.S. - 304

•Chamber Size	: 200 X 200 X 100 mm (L x B x H)
•Chamber volume	: 5 Liters
•Overall Dimensions	: 1100 X 430 X 580 MM



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Technical Specification

•Construction	: Double walled
•Inner chamber	: Stainless steel S.S. - 304
•External body	: Mild steel
•Exterior Body Paint	: Powder coating
•Insulation thickness	: 75mm
•Temperature controller	: Microprocessor based PID digital controller
•Temperature Accuracy	: ± 0.5 °C
•Temperature Range	: 5 °C - 50 °C
•Temperature Resolution	: 0.1 °C
•Temperature Uniformity	: ± 1 °C
•Heating element	: Immersion heaters
•Refrigeration System	: Hermetically sealed ISI marked KIRLOSKAR OR EQUIVALENT make compressor for minimum noise level and smooth operation
•Refrigerant	: R-134A Gas
•Motorized Stirrer	: For uniform temperature distribution
•Stirrer material	: Stainless Steel S.S. - 304
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