



1. Available Variants

1. Oil Bath – 1 Liter Flask Capacity
2. Oil Bath – 2 Liters Flask Capacity
3. Oil Bath – 3 Liters Flask Capacity
4. Oil Bath – 5 Liters Flask Capacity
5. Oil Bath – 10 Liters Flask Capacity
6. Oil Bath – 20 Liters Flask Capacity

2. Common Details

Description

Double walled, Full S.S.304 construction, Fully argon welded. The Oil bath accommodates RB Flask or similar vessel. 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. Pasted markdown

Applications

1. Laboratory high temperature heating applications
2. Temperature sensor calibration also possible Pasted markdown

Salient Features

1. Aesthetic outer appearance
2. Unique design
3. Compact and bench top design
4. All interior and exterior parts are argon welded
5. Easy to operate
6. Complete Stainless Steel Design
7. Supplied without high temperature oil (Provided at extra cost)
8. Supplied complete with cord wire and power plug. Pasted markdown

Optional Accessories at Extra Cost

1. Holder for temperature sensors/Thermometers @ Rs 1000.00 Pasted markdown

Note

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

Corporate Office:

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Calibration Laboratory:

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



3. Variant Details

1. Oil Bath – 1 Liter Flask Capacity

Double walled, Full S.S.304 construction, Fully argon welded, The Oil bath accommodates 1 Ltrs RB Flask or similar vessel. Temp range 50°C to 300°C, controlled by Digital Temperature controller. Pasted markdown

2. Oil Bath – 2 Liters Flask Capacity

Double walled, Full S.S.304 construction, Fully argon welded, The Oil bath accommodates 2 Ltrs RB Flask or similar vessel. Temp range 50°C to 200°C, controlled by Digital Temperature controller. Pasted markdown

3. Oil Bath – 3 Liters Flask Capacity

Double walled, Full S.S.304 construction, Fully argon welded, The Oil bath accommodates 3 Ltrs RB Flask or similar vessel. Temp range 50°C to 300°C, controlled by Digital Temperature controller. Pasted markdown

4. Oil Bath – 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 200°C, controlled by Digital Temperature controller. Pasted markdown

5. Oil Bath – 10 Liters Flask Capacity

Double walled, Full S.S.304 construction, Fully argon welded, The Oil bath accommodates 10 Ltrs RB Flask or similar vessel. Temp range 50°C to 200°C, controlled by Digital Temperature controller. Pasted markdown

6. Oil Bath – 20 Liter Flask Capacity

Double walled, Full S.S.304 construction, Fully argon welded, The Oil bath accommodates 20 Ltrs RB Flask or similar vessel. Temp range 50°C to 200°C, controlled by Digital Temperature controller. Pasted markdown

4. Common Specifications

Specification	Details
Construction	Double walled Construction

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Specification	Details
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
Heating	Heated by Immersion heaters installed within the inner chamber
Temperature Controller	Microprocessor based Auto-Tune PID Digital Temperature controller cum indicator
Temperature Stability	$\pm 0.5^{\circ}\text{C}$
Temperature Accuracy	$\pm 1^{\circ}\text{C}$
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
Operation On	230 Volts, 50 Hz, Single phase, AC Supply

These specifications are repeated across the supplied variants and have therefore been consolidated into the common section. Pasted markdown Pasted markdown Pasted markdown

5. Variant Specifications

1. Oil Bath – 1 Liter Flask Capacity

Specification	Details
Inner Chamber Dimensions	150 x 150 mm (6" x 6") (Dia x Height)
Bath Volume	2.6 Liters
Can Accommodate	1 Liter Flask
Temperature Range	From 5°C above ambient to 300°C
Power Consumption	0.75 KW

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Specification

Details

Overall Dimensions 280 X 400 X 280 (L X W X D) mm

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2. Oil Bath – 2 Liters Flask Capacity

Specification

Details

Inner Chamber Dimensions 200 x 200 mm (8" x 8") (Diameter x Height)

Bath Volume 6.2 Liters

Can Accommodate 2 Liters flask capacity

Temperature Range From 5 °C above ambient to 300 °C

Power Consumption 0.75 KW

Overall Dimensions 330 X 450 X 340 (L X W X D) mm

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3. Oil Bath – 3 Liters Flask Capacity

Specification

Details

Inner Chamber Dimensions 225 x 255 mm (9" x 9") (Diameter x Height)

Bath Volume 8.94 Liters

Can Accommodate 3 Liters Flask Capacity

Temperature Range From 5 °C above ambient to 300 °C

Power Consumption 1.5 Kw

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4. Oil Bath – 5 Liters Flask Capacity

Specification

Details

Inner Chamber Dimensions 275 x 275 mm (11" x 11") (Dia X Height)

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Specification	Details
Bath Volume	16.32 Liters
Can Accommodate	5 Liters Capacity Flask
Temperature Range	From 5 °C above ambient to 200 °C
Power Consumption	1.5 KW
Overall Dimensions	400 X 480 X 390 (L X W X D) mm
Weight (Approx.)	18.250 Kg

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5. Oil Bath – 10 Liters Flask Capacity

Specification	Details
Inner Chamber Dimensions	325 x 325 mm (13" x 13") (Dia x Height)
Bath Volume	26.12 Liters
Can Accommodate	10 Liters Capacity Flask
Temperature Range	From 5 °C above ambient to 200 °C
Power Consumption	3.0 KW

Pasted markdown

6. Oil Bath – 20 Liter Flask Capacity

Specification	Details
Chamber Dimensions	375 x 375 mm (15" x 15") (Dia X Height)
Bath Volume	41.39 Liters
Can Accommodate	20 Liters Flask Capacity
Temperature Range	From 5 °C above ambient to 200 °C
Temperature Resolution	0.1 °C
Temperature Uniformity	± 2 °C

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Specification

Details

Temperature Sensor	PT-100
No of SSR (Solid State Relay)	01 No - UNISON/Reputed Make
Power Consumption	5.0 KW

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