



ACCELERATED CURING TANK

1. AVAILABLE VARIANTS

1. Accelerated Curing Tank – Complete S.S. – For 3 Cubes of 150 mm
2. Accelerated Curing Tank – Complete S.S. – For 36 Cubes of 150 mm
3. Accelerated Curing Tank – Complete S.S. – For 24 Cubes of 150 mm
4. Accelerated Curing Tank – Heating + Cooling – For 6 Cubes
5. Accelerated Curing Tank – Heating + Cooling – For 12 Cubes
6. Accelerated Curing Tank – Complete S.S. – For 12 Cubes of 150 mm
7. Accelerated Curing Tank – Inner S.S. – For 36 Cubes of 150 mm
8. Accelerated Curing Tank – Inner S.S. – For 12 Cubes of 150 mm
9. Accelerated Curing Tank – Inner S.S. – For 9 Cubes of 150 mm
10. Accelerated Curing Tank – Inner S.S. – For 6 Cubes of 150 mm
11. Accelerated Curing Tank – Inner S.S. – For 3 Cubes of 150 mm
12. Accelerated Curing Tank – Complete S.S. – For 6 Cubes of 150 mm
13. Accelerated Curing Tank – Inner S.S. – For 24 Cubes of 150 mm
14. Accelerated Curing Tank – Heating + Cooling – For 24 Cubes

2. COMMON DETAILS

- Accelerated Curing Tank having capacity to accommodate various sizes of concrete cube moulds or Cement mortar Cube Moulds.
- Facility for accelerated curing by boiling water method up to temperature range of $100 \pm 2^{\circ}\text{C}$ as per IS:9013.
- Facility for curing by warm water method at temperature $55 \pm 2^{\circ}\text{C}$.
- The whole body of cube mould with the sample of concrete/cement mortar inside is to be immersed in the tank.
- Tank is stout enough to bear heavy load on its platform.
- Rectangular double walled metal cabinet construction.
- Specially designed L shaped high wattage heaters are mounted in the chamber for easy replacement within 5 minutes by a normal skilled person.
- Facility to circulate water inside the chamber by stirrer to maintain uniform temperature of water.
- Heavy gauge stainless steel perforated platform with ribs to withstand the heavy load of cubes.
- Lid with lifting handle to cover the chamber.
- Digital Auto-Tuning PID temperature indicator cum controller fitted on the front panel.
- Compliance Standard: IS:9013.

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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



The source consistently describes boiling-water curing at $100 \pm 2^{\circ}\text{C}$, warm-water curing at $55 \pm 2^{\circ}\text{C}$, immersion of the specimen moulds and heavy-load platform construction.

3. VARIANTS DETAILS

1. Complete S.S. – For 3 Cubes of 150 mm

- Inner and outer chamber made of thick gauge stainless steel (S.S.304).
- Front panel suitable for operation on 220 V, 50 Hz single phase AC supply.
- Clear working size: 31" X 13" X 10".

2. Complete S.S. – For 36 Cubes of 150 mm

- Inner chamber made of thick gauge stainless steel.
- Outer chamber made of S.S.304 – matt finished.
- Front panel suitable for operation on 440 V, 50 Hz three phase AC supply.
- Rating: 12 KW.

3. Complete S.S. – For 24 Cubes of 150 mm

- Inner chamber made of thick gauge stainless steel.
- Outer chamber made of S.S.304 – matt finished.
- Front panel suitable for operation on 440 V, 50 Hz three phase AC supply.
- Rating: 12 KW.

4. Heating + Cooling – For 6 Cubes

- Controlled from 20°C to $100^{\circ}\text{C} \pm 2^{\circ}\text{C}$ curing temperature.
- Can be controlled at $27^{\circ}\text{C} \pm 2^{\circ}\text{C}$ for normal curing.
- Refrigeration system with Emerson make compressors.
- Water inlet and outlet valves provided.
- Stand or shelf for keeping cubes.
- Supplied without cube moulds.
- Operations: 230 volts single phase, 32 Amp.
- Double folded hinged lid made of S.S.304.
- Optional PC Interface at extra cost.

5. Heating + Cooling – For 12 Cubes

- Controlled from 10°C to $100^{\circ}\text{C} \pm 2^{\circ}\text{C}$ curing temperature.
- Can be controlled at $27^{\circ}\text{C} \pm 2^{\circ}\text{C}$ for normal curing.

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- Refrigeration system with Emersion make compressors.
- Water inlet and outlet valves provided.
- Stand and heavy-duty reinforced shelf for keeping cubes.
- Supplied without cube moulds.
- Double folded hinged lid made of S.S.304.

6. Complete S.S. – For 12 Cubes of 150 mm

- Inner and outer chamber made of thick gauge stainless steel (S.S.304).
- Front panel suitable for operation on 440 V, 50 Hz three phase AC supply.

7. Inner S.S. – For 36 Cubes of 150 mm

- Inner chamber made of thick gauge stainless steel.
- Outer chamber made of galvanized sheet, powder coated.
- Front panel suitable for operation on 440 V, 50 Hz three phase AC supply.
- Clear working size: 2380 X 660 X 610 mm.

8. Inner S.S. – For 12 Cubes of 150 mm

- Inner chamber made of thick gauge stainless steel.
- Outer chamber made of galvanized sheet, powder coated.
- Front panel suitable for operation on 440 V, 50 Hz three phase AC supply.

9. Inner S.S. – For 9 Cubes of 150 mm

- Inner chamber made of thick gauge stainless steel.
- Outer chamber made of galvanized sheet, powder coated.
- Front panel suitable for operation on 220 V, 50 Hz single phase AC supply.

10. Inner S.S. – For 6 Cubes of 150 mm

- Inner chamber made of thick gauge stainless steel.
- Outer chamber made of galvanized sheet, powder coated.
- Front panel suitable for operation on 230 V, 50 Hz single phase AC supply.

11. Inner S.S. – For 3 Cubes of 150 mm

- Inner chamber made of thick gauge stainless steel.
- Outer chamber made of galvanized sheet, powder coated.
- Front panel suitable for operation on 220 V, 50 Hz single phase AC supply.

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12. Complete S.S. – For 6 Cubes of 150 mm

- Inner and outer chamber made of thick gauge stainless steel (S.S.304).
- Front panel suitable for operation on 220 V, 50 Hz single phase AC supply.
- The source description states accommodation of 9 Nos. concrete cube moulds, while the variant title states 6 cubes and the technical specification states 12 cubes. These source values are retained without modification.

13. Inner S.S. – For 24 Cubes of 150 mm

- Inner chamber made of thick gauge stainless steel.
- Outer chamber made of galvanized sheet, powder coated.
- Front panel suitable for operation on 440 V, 50 Hz three phase AC supply.

14. Heating + Cooling – For 24 Cubes

- Controlled from 10°C to 100°C $\pm$ 2°C curing temperature.
- Can be controlled at 27°C $\pm$ 2°C for normal curing.
- Refrigeration system with Emersion make compressors.
- Inner dimension: 43" x 37" x 22" (L x W x H).
- Water inlet and outlet valves provided.
- Stand and heavy-duty reinforced shelf for keeping cubes.
- Supplied without cube moulds.
- Double folded hinged lid made of S.S.304.

4. COMMON SPECIFICATION

Specification	Details
Compliance Standard	IS : 9013
Construction	Double walled construction
Inner Chamber	Stainless Steel S.S.-304
Heater Type	Specially designed L shaped high wattage heaters
Temperature Sensor	PT-100 Sensor
Temperature Resolution	0.1 °C

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Specification	Details
Temperature Controller	DIGITAL Auto tuning PID temperature indicator cum controller
Sample Placement	Heavy gauge stainless steel perforated platform with ribs
Lid	Lid with lifting handle
Water Circulation	Stirrer / water circulating pump cum stirrer to maintain uniform temperature

5. VARIANTS SPECIFICATION

1. Complete S.S. – For 3 Cubes of 150 mm

Specification	Details
Inner Chamber	Stainless Steel material S.S.-304
Exterior Body	Stainless Steel material S.S.-304
Can Accommodate	3 cubes of (150 x 150 mm)
Temperature Accuracy	$\pm 0.5^{\circ}\text{C}$
Temperature Display	LED Display
Heating Element	3 nos – each of 2000 Watts
Heater Types	Immersion heaters (Wet heaters)
No. of SSR	03 Nos
SSR Rating	25 Amp
Stirrer Material	Stainless Steel
Stirrer Motor	1/83 HP, 1360 RPM
Operation On	230 Volts, 50 Hz, Single Phase, AC Supply
Power Consumption	6000 Watts (06 KW)

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2. Complete S.S. – For 36 Cubes of 150 mm

Specification	Details
Inner Chamber	Stainless Steel material S.S.-304
Exterior Body	Stainless Steel material S.S.-304
Can Accommodate	36 cubes of (150 x 150 mm)
Temperature Accuracy	$\pm 0.5^{\circ}\text{C}$
Temperature Display	LED Display
Heating Element	3 nos – each of 2000 Watts
Heater Types	Immersion heaters (Wet heaters)
No. of SSR	03 Nos
SSR Rating	25 Amp
Stirrer Material	Stainless Steel
Stirrer Motor	1/83 HP, 1360 RPM
Operation On	230 Volts, 50 Hz, Single Phase, AC Supply
Power Consumption	6000 Watts (06 KW)
Overall Dimensions	2000 X 1340 X 965 (L X W X D) mm
Weight	Not specified

3. Complete S.S. – For 24 Cubes of 150 mm

Specification	Details
Inner Chamber	Stainless Steel material S.S.-304
Exterior Body	Stainless Steel material S.S.-304
Chamber Size	25" x 31" x 22" (W x D x H)
Can Accommodate	24 cubes of 15cm
Temperature Accuracy	$\pm 0.5^{\circ}\text{C}$
Temperature Display	LED Display

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Specification	Details
Heating Element	3 nos – each of 2000 Watts
Heater Types	Immersion heaters (Wet heaters)
No. of SSR	03 Nos
SSR Rating	25 Amp
Stirrer Material	Stainless Steel
Stirrer Motor	1/83 HP, 1360 RPM
Operation On	230 Volts, 50 Hz, Single Phase, AC Supply
Power Consumption	6000 Watts (06 KW)

4. Heating + Cooling – For 6 Cubes

Specification	Details
Type of Model	Floor standing model
Mobility	Castor wheels (Heavy duty wheels) for easy mobility
Construction	Double walled construction
Inner Chamber	Stainless Steel S.S.-304 Grade Material
Exterior Body	20 SWG Galvanized sheet Material
Exterior Body Paint	Powder coated in attractive shades
Working Size	775 X 625 X 250mm (L x W x H)
Chamber Volume	127 Ltr approx.
Can Accommodate	6 cubes of 150 mm / 12 cubes of 70.6 mm size
Insulation	Special grade glass wool for purpose of insulation to avoid heat and cool losses
Insulation Thickness	50 mm
Temperature Range	20 °C to 100 °C
Temperature Display	LED Digital Display

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Specification	Details
Temperature Accuracy	$\pm 2^{\circ}\text{C}$
Temperature Uniformity	$\pm 2^{\circ}\text{C}$
Refrigeration System	Emerson/Kirloskar/Danfoss/Reputed make refrigeration system with compressor
Refrigerant	R134-A Grade refrigerant
PC Interface	Optional computer interface for data logging purpose
Overall Dimensions	1450 X 1000 X 1175 (L X W X H) mm
Weight	185 Kg

5. Heating + Cooling – For 12 Cubes

Specification	Details
Overall Dimensions	1850 X 850 X 1050 (L X W X D) mm
Type of Model	Floor standing model
Mobility	Castor wheels (Heavy duty wheels) for easy mobility
Construction	Double walled construction
Inner Chamber	Stainless Steel S.S.-304 Grade Material
Exterior Body	G.I powder coated
Working Size	31" x 25" x 22" (L x W x H)
Chamber Volume	274 Ltrs
Can Accommodate	12 cubes of 150 mm / 24 cubes of 70.6 mm size
Insulation	Special grade glass wool for purpose of insulation to avoid heat and cool losses
Insulation Thickness	50 mm
Temperature Range	10 $^{\circ}\text{C}$ to 100 $^{\circ}\text{C}$
Temperature Display	LED Digital Display

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Specification	Details
Temperature Accuracy	$\pm 2^{\circ}\text{C}$
Temperature Uniformity	$\pm 2^{\circ}\text{C}$
Refrigeration System	Emerson/Kirloskar/Danfoss/Reputed make refrigeration system with compressor
Refrigerant	R134-A Grade refrigerant
PC Interface	Optional computer interface for data logging purpose
Weight	216 Kg

6. Complete S.S. – For 12 Cubes of 150 mm

Specification	Details
Inner Chamber	Stainless Steel material S.S.-304
Exterior Body	Stainless Steel material S.S.-304
Chamber Size	25" x 31" x 22" (W x D x H)
Chamber Volume	276 Liters
Can Accommodate	12 cubes of (150 x 150 mm)
Temperature Accuracy	$\pm 0.5^{\circ}\text{C}$
Temperature Display	LED Display
Heating Element	3 nos – each of 2000 Watts
Heater Types	Immersion heaters (Wet heaters)
No. of SSR	03 Nos
SSR Rating	25 Amp
Stirrer Material	Stainless Steel
Stirrer Motor	1/83 HP, 1360 RPM
Operation On	440 Volts, 50 Hz, Three Phase, AC Supply

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Specification	Details
Power Consumption	7500 Watts (7.5 KW)
Overall Dimensions	1360 X 800 X 970 (L X W X D) mm
Weight	142 kg (Unpacked)

7. Inner S.S. – For 36 Cubes of 150 mm

Specification	Details
Type of Model	Floor standing model
Mobility	Castor wheels (Heavy duty wheels) for easy mobility
Exterior Body	20 SWG Galvanized sheet Material
Exterior Body Paint	Powder coated in attractive shades
Can Accommodate	36 cubes of 150 mm
Insulation	Special grade glass wool for purpose of insulation to avoid heat and cool losses
Insulation Thickness	50 mm
Temperature Range	5 °C above ambient to 100 °C
Temperature Display	LED Digital Display
Temperature Accuracy	± 2 °C
Temperature Uniformity	± 2 °C
Water Circulation	Water circulating pump cum stirrer to maintain uniform temperature throughout the chamber
PC Interface	Optional computer interface for data logging purpose
External Size	3050 X 980 X 915 (L X W X H) in mm
Internal Working Size	2380 X 660 X 610 mm (L X W X H) mm
Volume	958 ltr approx.

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8. Inner S.S. – For 12 Cubes of 150 mm

Specification	Details
Overall Dimensions	1360 X 800 X 970 (L X W X D) mm
Working Dimension	790 X 635 X 560 mm (L X W X H)
Volume	281 ltr approx
Type of Model	Floor standing model
Exterior Body	20 SWG Galvanized sheet Material
Exterior Body Paint	Powder coated in attractive shades
Can Accommodate	12 cubes of 150 mm
Insulation	Special grade glass wool for purpose of insulation to avoid heat and cool losses
Insulation Thickness	50 mm
Temperature Range	5 °C above ambient to 100 °C
Temperature Display	LED Digital Display
Temperature Accuracy	± 2 °C
Temperature Uniformity	± 2 °C
Water Circulation	Stirrer to maintain uniform temperature throughout the chamber
Power Wattage	7.5 KW
Power Supply	440 V, A.C., Three Phase
Weight	142 kg (Unpacked)

9. Inner S.S. – For 9 Cubes of 150 mm

Specification	Details
Type of Model	Floor standing model
Working Size	760 X 915 X 255 (L X W X H)
Can Accommodate	9 cubes of 150 mm

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Specification	Details
Volume	177 ltr approx
Exterior Body	20 SWG Galvanized sheet Material
Exterior Body Paint	Powder coated in attractive shades
Insulation	Special grade glass wool for purpose of insulation to avoid heat and cool losses
Insulation Thickness	50 mm
Temperature Range	5 °C above ambient to 100 °C
Temperature Display	LED Digital Display
Temperature Accuracy	± 2 °C
Temperature Uniformity	± 2 °C
Water Circulation	Water circulating pump cum stirrer to maintain uniform temperature throughout the chamber
Voltage / Power	230 V AC Single Phase / 6 KW
PC Interface	Optional computer interface for data logging purpose
Overall Dimensions	1330 X 1020 X 600 (L X W X H)
Weight	117 kg (Unpacked)

10. Inner S.S. – For 6 Cubes of 150 mm

Specification	Details
Overall Dimensions	1330 X 780 X 600 (L X W X H) mm
Inner Working Size	760 X 635 X 255 (L X W X H) mm
Volume	123 ltr approx
Type of Model	Floor standing model
Exterior Body	20 SWG Galvanized sheet Material

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Specification	Details
Exterior Body Paint	Powder coated in attractive shades
Can Accommodate	6 cubes of 150 mm
Insulation	Special grade glass wool for purpose of insulation to avoid heat and cool losses
Insulation Thickness	50 mm
Temperature Range	5 °C above ambient to 100 °C
Temperature Display	LED Digital Display
Temperature Accuracy	± 2 °C
Temperature Uniformity	± 2 °C
Water Circulation	Stirrer to maintain uniform temperature throughout the chamber
PC Interface	Optional computer interface for data logging purpose
Power Wattage	6.0 KW
Power Supply	230 V, A.C., Single Phase
Weight	90 kg (Unpacked)

11. Inner S.S. – For 3 Cubes of 150 mm

Specification	Details
Overall Dimensions	1330 X 440 X 600 (L X W X H) mm
Type of Model	Floor standing model
Exterior Body	20 SWG Galvanized sheet Material
Exterior Body Paint	Powder coated in attractive shades
Working Size	760 X 330 X 255 (L X W X H) mm
Volume	64 ltr approx
Can Accommodate	3 cube Moulds of 150 mm

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Specification	Details
Insulation	Special grade glass wool for purpose of insulation to avoid heat and cool losses
Insulation Thickness	50 mm
Temperature Range	5 °C above ambient to 100 °C
Temperature Display	LED Digital Display
Temperature Accuracy	± 2 °C
Temperature Uniformity	± 2 °C
Water Circulation	Water circulating pump cum stirrer to maintain uniform temperature throughout the chamber
PC Interface	Optional computer interface for data logging purpose
Voltage / Power	230 V AC Single Phase/ 58 kg
Weight	58 kg (Unpacked)

12. Complete S.S. – For 6 Cubes of 150 mm

Specification	Details
Inner Chamber	Stainless Steel material S.S.-304
Exterior Body	Stainless Steel material S.S.-304
Chamber Size	25" x 31" x 22" (W x D x H)
Chamber Volume	276 Liters
Can Accommodate	12 cubes of (150 x 150 mm)
Temperature Accuracy	± 0.5 °C
Temperature Display	LED Display
Heating Element	3 nos – each of 2000 Watts
Heater Types	Immersion heaters (Wet heaters)

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



Specification	Details
No. of SSR	03 Nos
SSR Rating	25 Amp
Stirrer Material	Stainless Steel
Stirrer Motor	1/83 HP, 1360 RPM
Operation On	230 Volts, 50 Hz, Single Phase, AC Supply
Power Consumption	6000 Watts (06 KW)
Overall Dimensions	1330 X 780 X 600 (L X W X D) mm
Weight	87 Kg (Unpacked)

13. Inner S.S. – For 24 Cubes of 150 mm

Specification	Details
Type of Model	Floor standing model
Mobility	Castor wheels (Heavy duty wheels) for easy mobility
Exterior Body	20 SWG Galvanized sheet Material
Exterior Body Paint	Powder coated in attractive shades
Working Size	41" X 37" X 22" (L x W x H)
External Size	85" X 55" X 29" (L x W x H)
Chamber Volume	546 Liters
Can Accommodate	24 cubes of 150 mm
Insulation	Special grade glass wool for purpose of insulation to avoid heat and cool losses
Insulation Thickness	50 mm
Temperature Range	5 °C above ambient to 100 °C
Temperature Display	LED Digital Display

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

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Specification	Details
Temperature Accuracy	$\pm 2^{\circ}\text{C}$
Temperature Uniformity	$\pm 2^{\circ}\text{C}$
Water Circulation	Water circulating pump cum stirrer to maintain uniform temperature throughout the chamber
PC Interface	Optional computer interface for data logging purpose
Voltage / Power	440 V AC Three Phase / 9 KW

14. Heating + Cooling – For 24 Cubes

Specification	Details
Type of Model	Floor standing model
Mobility	Castor wheels (Heavy duty wheels) for easy mobility
Construction	Double walled construction
Inner Chamber	Stainless Steel S.S.-304 Grade Material
Exterior Body	20 SWG Galvanized sheet Material
Exterior Body Paint	Powder coated in attractive shades
Working Size	43" X 37" X 22" (L x W x H)
External Size	85" X 55" X 29" (L x W x H)
Chamber Volume	573 Liters
Can Accommodate	24 cubes of 150 mm / 48 cubes of 70.6 mm size
Insulation	Special grade glass wool for purpose of insulation to avoid heat and cool losses
Insulation Thickness	50 mm
Temperature Range	10 $^{\circ}\text{C}$ to 100 $^{\circ}\text{C}$
Temperature Display	LED Digital Display

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Specification	Details
Temperature Accuracy	$\pm 2^{\circ}\text{C}$
Temperature Uniformity	$\pm 2^{\circ}\text{C}$
Refrigeration System	Emerson/Kirloskar/Danfoss/Reputed make refrigeration system with compressor
Refrigerant	R134-A Grade refrigerant
Water Circulation	Water circulating pump cum stirrer to maintain uniform temperature throughout the chamber
PC Interface	Optional computer interface for data logging purpose

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