

Hot Air Oven

EIE-101

Indispensable for every Lab

Applications

- | | |
|------------------------|---------------------------------|
| ■ Drying | ■ Backing |
| ■ Ageing | ■ Softening |
| ■ Sterilization | ■ Moisture determination |
| ■ Moulding | ■ Heating |



The Multi Purpose Utilities



Hot Air Oven (S.S.)



Hot Air Oven (S.S.)



21-CFR compliance PC software

- 21-CFR compliance software with PC communication.
- Optional PLC and HMI control system.
- 4/8 channels data logger with sensors.
- Onsite validation for 24 hours.
- GSM alert through SIM card.

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Application	EIE HOT AIR OVENS are aesthetically designed and precisely fabricated to suit various applications in various fields of Medical, Agricultural, Industrial, Research and Educational Institutes for day to day heating, drying, sterilizing etc.
Construction	<p>Interior : Polished Stainless Steel 304/Anodized Aluminum/S.S. 316 (GMP Model)</p> <p>Exterior : Heavy gauge Mild Steel/S.S. 304 (GMP Model)</p> <p>Chamber : Double walled.</p> <p>Ventilation : Air Ventilators are provided near the top of the sides for removing hot gases and fumes</p> <p>Insulation : 75 mm thick Mineralwool.</p> <p>Shelves : Sturdy, Elegant-fabricated precisely to give minium resistance to air circulation.</p> <p>Finish : Finished with attractive and durable powder coated in pleasant shade.</p>
Description	<p>Front Panel : Mains rocker switch, Thermostat/PID Micro Controller, Three way Control Switch, Mains & Control indicating lamps, Fuse etc.</p> <p>Range : 50°C to 250°C.</p> <p>Accuracy : +/-1°C or better (Microcontroller Model). +/-5°C or better (Thermostate Model).</p> <p>Sensor : Copper capillary thermostate/RTD type sensor.</p> <p>Display : L-shaped yellow back glass thermometer or Digital display.</p>
Heating	Heaters : High grade Nichrome wire placed in the ribs of sides and bottom for uniformity.
Power Requirement	Supplied with cord wire and plug to operate on single phase 220 V. AC supply.
Special Features	<ul style="list-style-type: none"> • Inner chamber is fabricated with various ribs at equal distance to adjust shelves to any convenient height. • PID Microprocessor based digital temp. indicator cum controller with dual display, i.e. one for set value and another for Process Value (Inside Chamber temp. reading). This controller is provided with various parameters to obtain temperature accuracy of +/-1°C Or better (Optional). • Calibration : Certificate with traceability. • Ovens are available with 300°C/400°C temp. range.
Power Requirement	Supplied with cord wire and plug to operate on single phase 220 V. AC supply.
Optional Accessories	<ul style="list-style-type: none"> • Air Circulating Fan : For better uniformity. • Timer : To switch ON/OFF the oven as per the requirement. • Buzzer : Audio indication in case of set value deviation and/or to indicate completion of set time duration • Microcontroller : For easy readability and precise control of the temperature. • Documentation : IQ/OQ/PQ/DQ Documentation for GMP Model. • PC/Printer Interface : RS 232 or 485 PC interface • Data Logger : 4/6 Point temp. data logger with sensors placed at specific points.

Technical Details of Different Sizes Ovens

Sr. No.	Working Chamber Size (Cms) (D X W X H)	Over all Dimensions (Cms) (D X W X H) Thermostatic Model	Over all Dimensions (Cms) (D X W X H) Digital Model	Ratings (kw)	Shelves	Approx. Weight (Inner SS, Outer MS, Thermostatic)	Approx. Weight (Inner SS, Outer MS, Digital)
1.	30 X 30 X 30	45 X 47 X 55	52 X 45 X 64	1.0	1	35 kg	45 kg
2.	35 X 35 X 35	50 X 52 X 63	57 X 50 X 72	1.0	1	41 kg	52 kg
3.	45 X 45 X 45	60 X 62 X 73	67 X 60 X 82	1.5	2	61 kg	72 kg
4.	45 X 45 X 60	60 X 62 X 88	67 X 60 X 97	2.0	2	68 kg	78 kg
5.	60 X 60 X 60	75 X 77 X 88	82 X 75 X 97	2.5	3	90 kg	110 kg
6.	60 X 60 X 90	75 X 77 X 118	82 X 75 X 125	3.0	3	130 kg	148 kg



Mfg. by :

vindish
instruments pvt. ltd.

B-14,15,16, Zaveri Industrial Estate, Opp. Shyam Villa,
Singarva - Kathwada Road, Ahmedabad-382 430.

Ph. : (079) 6604 0619, 6604 0660 • Fax : (079) 6604 0600



Mktd. by :

EIE INSTRUMENTS PVT. LTD.
(An ISO 9001 : 2008 Certified Company)

1001-1002, Span Trade Centre, Opp. Kochrab Ashram,
Paldi, Ahmedabad-380 006. • Ph. : (079) 26211234, 9904301464

Fax : (079) 26584099 • Email : info@eieinstruments.com

Website : www.eieinstruments.com