



# Hot Air Oven

## EIE-101

Indispensable for every Lab

### Applications

- **Drying**
- **Ageing**
- **Sterilization**
- **Moulding**
- **Backing**
- **Softening**
- **Moisture determination**
- **Heating**

*The Multi Purpose Utilities*



**Hot Air Oven (S.S.)**



**Hot Air Oven (S.S.)**



21-CFR compliance PC software

- 21 CFR PC software with connectivity
- IQ/OQ/PQ/DQ qualification documents
- Calibration certificate with national traceability
- Test report and detailed instruction manual

### Available Models

- |                    |                    |
|--------------------|--------------------|
| ■ <b>EIE-101DP</b> | ■ <b>EIE-101TP</b> |
| ■ <b>EIE-101DG</b> | ■ <b>EIE-101TG</b> |

D: Digital P: Powder Coated G: GMP T: Thermostatic

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<b>Application</b>	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 needs.
<b>Construction</b>	<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 : Provided near top or sides for removing hot gases and fumes.</p> <p>Insulation : 75 mm thick Mineral-wool.</p> <p>Shelves : Sturdy &amp; Designed such that it offers minium resistance to air circulation.</p> <p>Finish : Finished with attractive and durable powder coated in pleasant shade.</p>
<b>Description</b>	<p>Front Panel : Mains rocker switch, Thermostat/PID Micro Controller, Three way Control Switch, Mains &amp; 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>
<b>Heating</b>	Heaters : High grade Nichrome wire placed in the ribs of sides and bottom for uniformity.
<b>Power Requirement</b>	Supplied with cord wire and plug to operate on single phase 220 V. AC supply.
<b>Special Features</b>	<ul style="list-style-type: none"> <li>• Inner chamber is fabricated with various ribs at equal distance to adjust shelves at any convenient height.</li> <li>• Calibration : Certificate with traceability.</li> <li>• Ovens are available with 300°C/400°C temp. range on request.</li> </ul>
<b>Power Requirement</b>	Supplied with cord wire and plug to operate on single phase 220 V. AC supply.
<b>Optional Accessories</b>	<ul style="list-style-type: none"> <li>• Air Circulating Fan : For better uniformity.</li> <li>• Timer : To switch ON/OFF the oven as per the requirement.</li> <li>• Buzzer : Audio indication in case of set value deviation.</li> <li>• Micro controller : For easy readability and precise control of the temperature.</li> <li>• Documentation : IQ/OQ/PQ/DQ Documentation for GMP Model.</li> <li>• PC/Printer Interface : RS 232/485 PC interface with 21-CFR software.</li> <li>• Data Logger : 4/6 Point temp. data logger with sensors placed at specific points.</li> </ul>

### Technical Details of Different Sizes of Ovens

Sr. No.	Working Chamber Size (Cms) (D X W X H)	Chamber Capacity (Liters)	Digital Model Product Code (EIE-101DP)	GMP Model Product Code (EIE-101DG)	Ratings (kw)	Shelves	Approx. Weight (Inner SS, Outer SS, Digital GMP)	Approx. Weight (Inner SS, Outer MS, Digital Powder Coated)
1.	30 X 30 X 30	27	EIE-101DP27	EIE-101DG27	1.0	1	55 kg	45 kg
2.	35 X 35 X 35	43	EIE-101DP43	EIE-101DG43	1.0	1	62 kg	52 kg
3.	45 X 45 X 45	92	EIE-101DP92	EIE-101DG92	1.5	2	82 kg	72 kg
4.	45 X 45 X 60	121	EIE-101DP121	EIE-101DG121	1.5	2	88 kg	78 kg
5.	60 X 60 X 60	216	EIE-101DP216	EIE-101DG216	2.0	3	120 kg	110 kg
6.	60 X 60 X 90	324	EIE-101DP324	EIE-101DG324	2.5	3	158 kg	148 kg

D: Digital P: Powder Coated G: GMP



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