

## Technical Specifications

### Hot air Oven

<p><b>Application:</b> The Hot Air Oven is widely used for drying plant materials due to its high-temperature capabilities. Here are three key applications:</p> <p>Rapid Drying of Plant Samples: Efficiently removes moisture from plant materials at high temperatures, speeding up the drying process for herbarium preparation or botanical research.</p> <p>Consistent Drying for Biomass Analysis: Ensures uniform drying of plant biomass samples, crucial for accurate determination of dry weight in ecological or agronomic studies.</p> <p>Sterilization of Plant Materials: Suitable for sterilizing plant materials by eliminating microbial contaminants, preparing samples for further laboratory analysis or experimentation.</p>	
Specification	Requirement
Technical details of Vacuum Oven	<p>Specifications:-</p> <p>Double walled construction fully made of Stainless steel Inner S.S.316 &amp; Outer 304. The gap between the two walls filled with glass wool insulation. Temperature controlled by microprocessor based digital temp. Controller with PT100 as sensor &amp; safety thermostat. Supplied with s. s wire mesh shelves and silicon gasket on door .with Air circulation fan Temp. Range: 50 °C to 250 °C accuracy +/-1 °C.</p> <p>a) Inner Working Size : 24x24x36", Cap. 330 Lit, 4 Shelves</p> <p>Optional Accessories:-</p> <p>a) Electronic Digital Timer range 0-999 Minute</p>
Safety features	Self-diagnosis functions (Sensor, Heater Triac, Automatic overheating prevention)
Operating manuals, service manuals, other manuals	<p>Should provide:-</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> User, technical and maintenance manuals in English language</li> <li><input type="checkbox"/> List of equipment and procedures required for local calibration and routine maintenance</li> <li><input type="checkbox"/> Service and operation manuals to be provided advanced maintenance tasks documentation. if any.</li> </ul>
Recommendations or Warnings	Any warning signs would be adequately displayed
Warranty	2(two) years after satisfactory installation and working excluding consumable parts and accessories.
Training	The supplier will have to carry out successful Installation at the laboratory premises (where ever the system has to be installed) and provide on-site comprehensive training for a minimum of two scientific personnel operating the system till customer satisfaction
List of Spares and Accessories	List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repairs in future after guarantee/warranty period should be attached
Stabilizer	Stabilizer as required for functioning of the equipment. Stabiliser price should be included in final price of oven
After sales service/ Post warranty	<p>Contact details of manufacturer, supplier and local service agent to be provided, including toll free/ Landline Number;</p> <p>Should have a good after sales service/technical support capable of reaching at short notice the places where instrument is installed. Visits and unlimited breakdown calls by service/application support, engineers should attend immediately without fail</p>

Compliance statement	The quote should also include a compliance statement vis-a-vis Specifications in a "tabular form" clearly stating the compliance and giving justification if any supported by technical literature. This statement must be signed, with the company seal, for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification.
Payment	Payment only after installation, validation and performance demonstration