

## REFRIGERATING APPLIANCES TEST SETUP



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[info@haptenbiotech.com](mailto:info@haptenbiotech.com) :



Plot no. 38 , Kh No 52/5 , Nangli Poona Village , Delhi-110036 :



## Walk-in Environmental Chamber

<b>Walk-in Environmental Chamber</b>
Temperature Range : 10-60°C
Temperature sensor : PT-100 Sensor
Humidity Range : 35-85%
<p><b>PUF Wall Panel :</b> The Panel shall be made up of 80mm thick composite PUF 0.5 mm sandwich Pre-Painted Galvanized steel Sheet. The panels shall be made of micro ribbing layer of PU foam of density of 40±2 kg/m<sup>3</sup> as insulation. The panels will have tongue groove arrangement. Colour Shall be preferably RAL 9002 – Off white</p>
<p><b>PUF Roof Panel:</b> - The Panel shall be made up of 80mm thick composite PUF 0.5 mm sandwich Pre-Painted Galvanized steel Sheet. The panels shall be made of micro ribbing layer of PU foam of density of 40±2 kg/m<sup>3</sup> as insulation. The panels will have tongue groove arrangement. Colour Shall be preferably RAL 9002 – Off white</p>
<p><b>PUF Corner Panel:</b> - The Panel shall be made up of 80mm thick composite PUF sandwich 0.5 mm Pre-Painted Galvanized steel Sheet. The panels shall be made of micro ribbing layer of PU foam of density of 40±2 kg/m<sup>3</sup> as insulation. The panels will have tongue groove arrangement. Colour Shall be preferably RAL 9002 – Off white.</p>
<p><b>Single Doors:-</b> PPGI framed PUF panel Single leaf with swing/overlap door will be provided with fittings &amp; vision glass.</p>
<p><b>Flashing:-</b>The container shall be provided with U Channel, Internal and external flashing for wall and roofs.</p>
<p><b>Installation:-</b> Complete installation and its installation material like silicon, pop rivet, hardener, nut bolts, fasteners, stiffener Etc. will be in our scope of work.</p>

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## Data acquisition system with software

Data acquisition system with software
<b>Power Analyzer :</b> Voltage , Current , Frequency , Power , Energy, Power Factor .
<b>Temp Sensor per Channel :</b> 26 sensors (optional 32 sensors) Temperature Indicator with HMI Display and Brass block in some sensors.
<b>Test Contents :</b> Energy Consumption , Storage Temperature, Fresh food storage Temperature , Frozen Food Storage Temp. , Chill Compartment Temperature , Freezing Capacity , Cooling Performance , The Temperature rise of load time .
<b>System Software :</b> This customized system software based on Microsoft Windows system, it is design according our chamber type product and custom's special re-equipment's. The System consist of high speed CPU Based PC & Software. System software include necessary test function according the relative international test standard, it provide many kinds function for testing, that include the logging of voltage , current, power, energy etc.



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## Wooden Platform

<b>Wooden Platform</b>
Dimension : 65x63x96 inches (WXBXH)



Inside the chamber you have Wooden Test Platform to test the sample number of platform as per test facility.

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