



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



HOT AND COLD CHAMBER-60 X 60 X 60 CM (H X W X D)- INNER S.S. & OUTER POWDER COATED-RAMP & SOAK PROFILE CONTROLLER

Salient Features

- Heat proof and electrical shock resistant design
- Automatic cycle commencement on press of a button
- Digital display of Temperature data
- Ramp & soak profile controller
- Highly ergonomic door handle with unique key lock



Heating system

Stainless steel heaters to control the temperature at set point

Refrigeration system

Built in, long life, fully balanced, refrigeration system with hermetically sealed compressor and air cooled condenser.

Door & Gasket

Robust type hinges fitted on the right hand side of the chamber with front opening single door. Leak proof double lined silicon gasket will be provided. The inner surface of the door will be provided with pre - polished stainless steel and will be mounted such that conduction is avoided.

Electrical controls

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:

B-14, Zaveri Industrial Estate, Opp. Shyam Villa,
Singarva-Kathwada Road,
Kathwada, Ahmedabad-382 430.
Phone : (079) 6604 0660 • Fax : (079) 6604 0600
E-mail : info@eieinstruments.com

GST TIN No. : 24AABCE4018L1ZU
I.T. PAN No. : AABCE 4018L
IEC No. : 0813026598 Dt. 04/03/2014
CIN No. : U29199GJ2004PTC045078
TAN No. : AHME00572F



Relays, Contactors, SSR, MCB. Mains Switch, Fan control switch, compressor ON/OFF switch with indicator, Dry heater switch with indicator, Trip indicators with Alarming (buzzer) system for safe and ease of operation.

Electrical Circuitry Wires

Inner circuitry wires with individual number tags for ease of servicing and maintenance

Temperature Sensor

Class A, Three wire, PT 100 Sensor for accurate measurement of temperature.

RS 232 or 485 communication port (Optional At Extra Cost)

RS - 232 or RS - 485 communication port provided to operate the chamber through PC as well as to log and modify the data in 21 - CFR Compliance software. Tubular display & graphical display provided with complete history printing & storing facility.

Safety Provisions

- High and low temperature safety with audio visual Warning signal for the protection of the specimen.
- Overload protection for all the electrical components used in the chamber as well as control panel.
- Complete electrical and refrigeration system conforming to the statutory regulatory requirements against safety, hazards, accidents and pollutions.
- Over temperature thermostat & thermal fuses provided for Heating system.
- Pressure gauges for measuring the refrigerant and service manifolds provided in the refrigeration system.

Warranty

Unconditional warranty against faulty workmanship for 1 year at site from the date of installation of the equipment.

Technical Specification

•Chamber Size	: 60 x 60 x 60 cm (H x W x D)
•Chamber volume	: 216 Liters
•Inner chamber	: Stainless steel S.S. - 304 Grade
•Exterior body	: Mild steel
•Exterior Body Paint	: Powder coated in attractive shades
•Insulation	: High density bonded glass wool insulation

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•Insulation thickness	: 75 mm
•Illumination	: LED Light for lesser power consumption
•Temperature range	: -40 °C to 150 °C Ambient
•Temperature sensor	: PT-100 Sensor
•Temperature accuracy	: ± 2.0 °C @ -40 °C, ± 0.1 ° @ -10 °C to Ambient
•Controlling System	: Ramp & Soak Profile Controller
•Average heating rate	: 1/2/3 °C min
•Average cooling rate	: 1/2/3 °C min
•Uniformity	: Through forced air circulation blower
•No of trays	: 03 Numbers
•No of blower	: 01 Number
•compressor watts	: 1.0 Kw
•Dry heater watts	: 1.5 Kw
•Power Supply	: 230 volts, 50 hz, single phase, AC Supply

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