



ZETATEK®
Committed to Excellence

**Simulating Environments
Since 1990.**



Compact Temperature & Climatic Chambers

Introduction

Research and development laboratories test components and products to ensure their functionality and usability. Laboratories usually have compact spaces and test small components and products. Zetatek's Compact Temperature and Climatic Chambers provide an ideal solution which have a compact foot print, low noise, high performance and are easy to install. This fulfils the testing requirements at the comfort of your laboratories.

Combining over three decades of experience in the design and manufacture of environmental test chambers, Zetatek, the market leader in the industry, offers Compact Temperature and Climatic Chambers of sizes varying from 30 litres to 250 litres. They have a temperature range from -70°C to $+180^{\circ}\text{C}$ and humidity from 10% RH to 98% RH.

Features

- The test space made from stainless steel 304 is welded airtight
- Multilayer composite insulation provides resistance against high and low temperature with just 100mm insulation thickness
- The door can be easily engaged and disengaged with an elegant rotary latch
- Bottom sheet with baffles is used to uniformly distribute the air throughout the test space
- Large inspection window with multi-layer vacuum sealed toughened glass and window heaters

Klima Controller

- Connectable to chamber through Ethernet and Wi-Fi
- Multiple touchscreen options: 7", 10" and 15"
- Multiple user levels with passcode access
- Numerical and graphical visualization of test parameters
- Synoptic chart for status monitoring
- Program and manual mode of chamber operation
- Test data logging for easy analysis and graphing

Options

- Multi-level adjustable wire shelves
- Water cooled system for better performance
- External electrical terminals
- Multiple independent sensors for temperature measurement
- External panels made from stainless steel
- Multiple portholes of 75mm or 125 mm diameter.
- Test space made from stainless steel 316

Specifications

Models	ZTC/ZHC	3S/3C	6S/6C	12S/12C	25S/25C
Dimensions					
Test Space Volume (l)		31	62	126	253
Internal Dimensions (mm)	w	312	400	540	600
	d	320	340	390	650
	h	312	460	600	650
Temperature Performance					
Temperature Range (°C)		+180 to -40 or -70 (C Model)			
Cooling Rate (°C/min)		1 to 3		1 to 5	
Heating Rate (°C/min)		1 to 3		1 to 5	
Temperature Stability (°C) ³		±0.5 to ±1			
Temperature Homogeneity (°C)		±1			
Condenser		air-cooled / water-cooled			
Climatic Performance (only ZHC Models)					
Temperature Range (°C)		10 to 95			
Humidity range (% RH)		10 to 98			
Humidity Stability (% RH)		±1 to ±3			
Electrical					
Supply Voltage		415V ± 10% / 50Hz ±3% / 3+N+G			



Office: +91 40 2372 1000
Fax: +91 40 2372 0305



www.zetatek.in



sales@zetatekindia.com
info@zetatekindia.com

Plot No. 31, Technocrats Industrial Estate, Balanagar,
Hyderabad, Telangana, India. 500037