



ZETATEK®
Committed to Excellence

**Simulating Environments
Since 1990.**



Stress Screening Chambers

Introduction

Temperature and Climatic chambers from Zetatek are a revolution in environmental testing. Simulating a wide range of environmental conditions from the equator to the poles and from the deserts to oceans, these chambers stand out for their brilliant design, exceptional build quality, performance and reliability.

Combining over three decades of experience in the design and manufacture of environmental test chambers, Zetatek, the market leader in the industry, offers test chambers of sizes varying from 400 litres to 1400 litres. They have a temperature range from -70°C to +180°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, 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	ZEF	4S/4C	6S/6C	8S/8C	10S/10C	14S/14C
Dimensions						
Test Space Volume (l)		393	591	769	1030	1410
Basket Dimensions (mm)	w	700	825	900	1000	1175
	d	730	700	950	1030	1000
	h	770	1025	900	1000	1200
Temperature Performance						
Temperature Range (°C)	+180 to -40 or -70 (C Model)					
Cooling Rate (°C/min)	5 to 20					
Heating Rate (°C/min)	5 to 20					
Temperature Stability (°C) ³	±0.5 to ±1					
Temperature Homogeneity (°C)	±1					
Condenser	water-cooled					
Climatic Performance						
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					



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