Environmental Test Chambers

For applications as diverse as storing temperature-sensitive pharmaceuticals to testing entire automobiles, we can build an environmental chamber to meet your specifications. Our chambers have the ability to maintain any temperature from -73.33°C to 121.11°C. These systems can be supplied with temperature and humidity PID controls or with fully computerized data acquisition and control systems. Tescor also provides chambers with industry leading RH control ranges and tolerances.

Key Benefits:

- Tescor chambers are able to maintain a temperature as low as –73.33°C on a continuous basis
- Chambers can reach as high as 121.11°C
- Transition Rates
  - Temperature - 0.5°C/minute, average
  - Humidity - 0.5%/min., non-condensing, avg

Temperature Control Stability	± 0.2°C
	± 0.5°C
	± 1.0°C
Temperature Uniformity	± 0.5°C
	± 1.0°C

Temperature Range	
Cold Room	4°C
Freezer Room	Ambient to -40°C
Incubator Room	35°C to 60°C
Environmental room	0°C to 60°C

Environmental Test Chambers *(continued)*

Applications and Test Types:

- Steady state storage
- Ramp/soak temperature and humidity testing
- Product shelf life cycle testing
- Environmentally dependent product performance testing
- Incubation chambers
- Industrial process conditioning

Specifications:

Wall Thickness	4"
	5"
	6"
Doors	36" x 78"
	48" x 84"
Windows	14" x 24"
Floor	0.080" Textured Aluminum
	0.100" Smooth Aluminum
	16 Ga. Stainless Steel
	14 Ga. Galvanized

Room Surface Finish	
Interior	26 Ga. Galvalume
	Embossed Aluminum .032"/.040"
	24 Ga. Embossed White Galvanized
	.040 White Embossed Aluminum
	Stainless Steel 20 Ga./22 Ga.
Exterior	26 Ga. Galvalume
	Embossed Aluminum .032"/.040"
	24 Ga. Embossed White Galvanized
	.040 White Embossed Aluminum
	Stainless Steel 20 Ga./22 Ga.

Alarms	High/Low Temp Alarms
	High/Low Humidity Alarms
	Remote Contacts
	Power Failure Alarm
	Inside "Panic" Alarm