ENVIROMENTAL SIMULATION

Qualifying your competitive edge
Innovation
Pushing the boundaries further

Designer-manufacturer for 40 years, Climats has been developing high tech equipments to perform environmental test.

The 6000 m² industrial plant, located in South-West of France, produces more than 700 environmental chambers sold worldwide each year.

Historically attached to the know-how of Climats, our customers come from domains as varied as automotive, aeronautics, space, defense, telecommunication, test labs.

Our 6 commitments

• INNOVATION
• ADAPTABILITY
• REACTIVITY
• RELIABILITY
• FLEXIBILITY
• TECHNOLOGY

Last state of the art

**Spirale 3**

Reliable and accurate system, **Spirale 3** is the reference software solution for controlling over 4,000 environmental test chambers and test benches worldwide. It was developed by Climats's engineers for simple and efficient management of your machine.

**ENERGY® SAVING**

Unique on the market, the Energy Saving control mode, in **Spirale 3**, scrupulously controls your energy consumption. A saving of at least 40% can be made on the electrical consumption of your typical cycles.
Your applications require specific functions and capacities, that is why Climats has a wide range of comprehensive standard machines.

- 8 test volumes from 140 to 1800 litres
- Temperature range from -90 °C to +250 °C
- Climatic test: relative humidity from 10 % to 98 %
- Temperature variation speed from 2 to 20 °C/min

For more information, check out our EXCAL leaflet

Our thermal shocks have been designed and developed to meet the strictest test standards with extreme thermal conditions from -90 °C to +220 °C.

- 2 or 3 zones, vertical or horizontal, from 70 to 1500 dm³
- Hot-Cold or Rapid Temperature Change

For more information, check out our SCAL leaflet
**STRESS SCREENING**

**FAST TEMPERATURE VARIATION**

- Standardized and tailor-made test volume from -90°C to +180°C.
- Temperature variation speed from 2 to 20°C/min.

**HOT COLD HUMIDITY**

**EXCAL**

- Hot-Cold-Humidity.

**COMBINED VIBRATION TEMPERATURE**

**AIR GENERATORS**

- Environmental chambers equipped with ducts to regulate temperature in a specific product test area.

**BENCHTOP**

- Low footprint, high mobility.

**THERMAL SCHOCK**

- Product life span setting or stress ageing to discard weak components.

**SALT SPRAY**

- Salt spray & humidity test.

**OVENS**

- Environmental chambers equipped with ducts to regulate temperature in a specific product test area.
Example: sunlight simulation.
Adaptable chambers

- Tests on shakers and/or slip tables with removable bottoms or with notches.
- Temperature range from -90 °C to +180 °C.
- Temperature variation: up to 20°C/min.
- Test volumes from 100 l to several m³.
- For combined tests:
  – Vibrations and temperatures
  – Vibrations, temperatures and humidity
  – Temperatures and/or humidity
WALK-IN
CHAMBERS

Solid construction chambers
- Large test volumes, up to 100 m³.
- Temperature range from -80°C to +200°C.

Modular chambers
- Temperature range from -70°C to +80°C.
- Easy to mount.
- Assembled panel.

Laminar flow atmosphere
- Air flow speed from 0.25 to 0.5 m/s.
- Vertical laminar air flow simulating the natural convection.
As the key development strategy for, Export relies on a large network of worldwide distributors. Our partners market and service Climats equipment all over the world; they are fully skilled in our technology and fully committed to a long-term relationship.