

## Custom Environmental Chamber Applications

Exova is pleased to offer a full range of environmental chambers to industry for testing materials or systems. Our chambers can accommodate products that range in size from small electronic or medical products to full-size commercial vehicles.



Our environmental chambers provide controlled exposure to temperature and humidity extremes is available to simulate exposure from desert or arctic conditions.

Features of our calibrated environmental chambers include:

- Ranges from -100°F to 390°F (-73°C to 199°C), 5% to 95% Relative Humidity
- Rapid temperature ramping
- Fully programmable cycling
- Vibration control to full solar load applications.
- Utility services such as compressed air, steam and a full range of electrical power options to support test requirements
- Available options such as water spray and exposure to dust or steam

Clients may opt to conduct their own evaluation of conditioned samples or call upon our technical staff to perform an evaluation program during a test sequence. Exova operates over 85 environmental chambers in North America. An overview of some of the sizes available and capabilities is shown to the right:

### Large Drive-in Environmental Chambers

- 18' x 15' x 21', -40°C to 80°C, Humidity Controlled, Programmable Cycling
- 30' x 18' x 18', -20°C to 50°C, 1367 W/m<sup>2</sup> Solar Application, Humidity Controlled
- 18' x 12' x 10', -40°C to 80°C, Road Simulator, IR Heating Lamps, Programmable
- 15' x 9' x 8', 110°C to 250°C
- 15' x 17', ambient to 260°C
- 18' x 25', -40°C to 195°C
- 18' x 25', ambient to -40°C
- 22' x 19', ambient to -40°C
- 22' x 19', ambient to 195°C
- 22' x 19', ambient to 250°C
- 21' x 10' x 7', -60°C to 250°C
- 29.8' x 10' x 7.9', -40°C to 250°C

### Walk-in Environmental Chambers

- 7' x 7' x 7', -40°C to 80°C, Humidity Controlled, Programmable Cycling
- 6' x 4' x 6', -75°C to 80°C, 2°C/min. Ramp Rate, Programmable Cycling
- 8' x 7' x 8', Ambient to 75°C Steady State Control

### Bench Top Environmental Chambers

- A full range is available

Testing  
Advising  
Assuring

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