Climats
a schunk company

Expert in environmental simulation

Thermal shock double cabinets 270°C

THERMAL SHOCK HORIZONTAL: SCAL CTH2

This climatic chamber has been designed to meet the specifications of manufacturers of sensors and connectors in the **aeronautics industry**, in order to test electronic connectors and sensors located at the **nozzles of the reactors**. This type of chamber can also be useful to the **automotive industry**.

The equipment performs **thermal shocks** on test specimens, passing product alternately from a cold cabinet to a hot cabinet. This movement between the two cabinets is extremely fast: **less than 10 seconds**. In this way, any defects in the product can be identified, and its lifespan can be determined.

The special feature of this climate chamber is **the horizontal move of the nacelle**, between the **hot cabinet at very high temperature, up to +270°C**, and the cold cabinet. With a volume of **66 liters**, it covers a wide temperature range from **-70°C to +270°C**.

This chamber benefits from **Spirale Vision** control and its quality of regulation. You can also be able to appreciate the recognized programming and archiving features of this control system. Spirale, already present in more than 6,000 environmental test chambers and test benches in the world, is the most intuitive and versatile human-machine interface on the market.

www.climats-tec.com

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Technical features

Caractéristiques :

- **Cold cabinet temperature range** : -70°C to +180°C
- **Hot cabinet temperature range :** +80°C to +270°C
- **Volume :** 66 dm^3
- Nacelle transfer time less than 10 seconds
- Maximum permissible load in the nacelle : 50 Kg

Dimensions (mm)	Width	Depth	Height
Useful	365	440	415
Overall	2100	2060	1900

Options :

- Integrated air dryer
- 5-window with film and heated cord on the door of the cold cabinet
- 270°C hot cabinet option
- Portholes diameter 80 on each side

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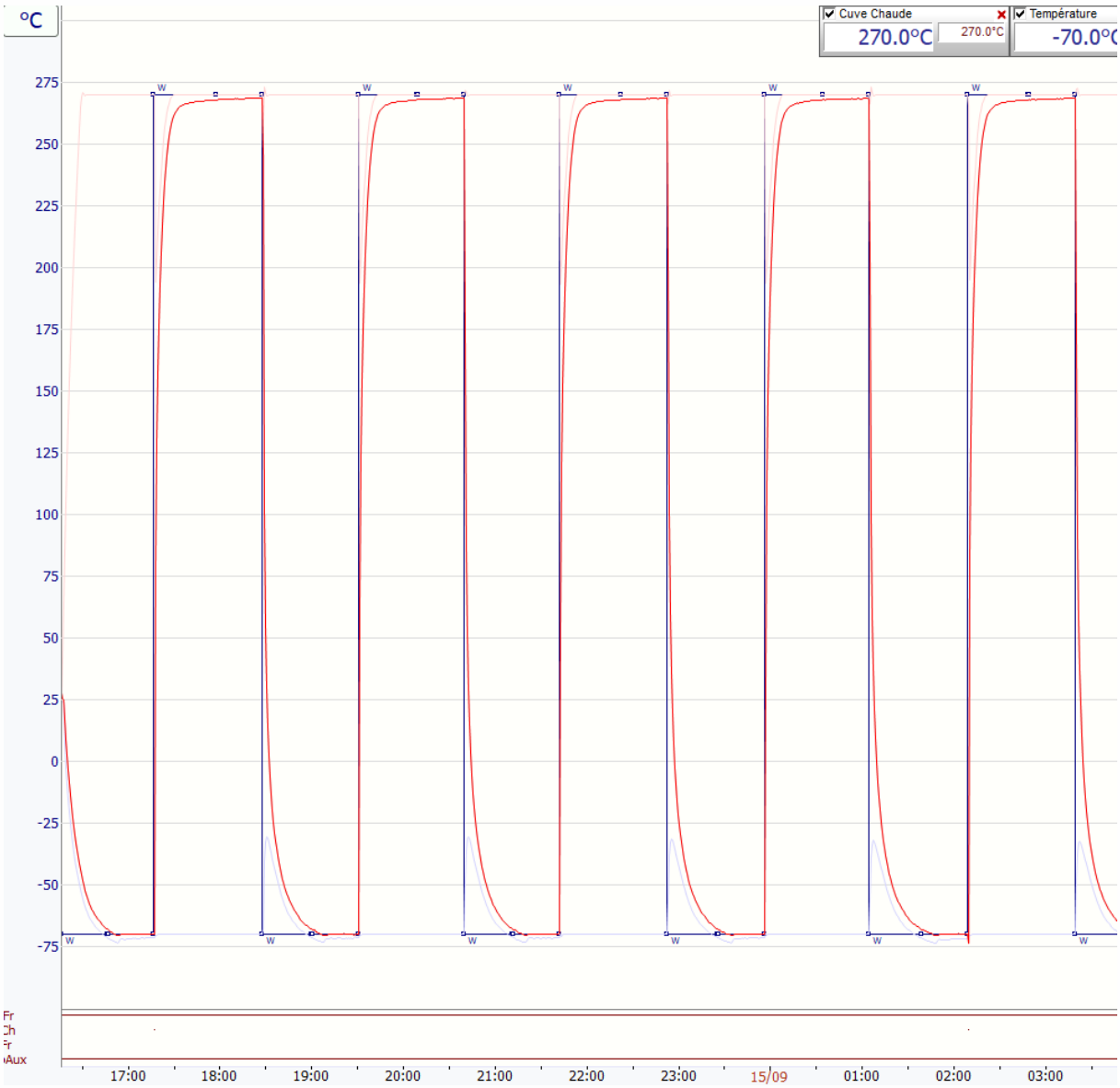
Performances :

- **Typical cycle :** 10 cycles -70/270°C with 30 minutes of step over each temperature with 50 kg load



- Temperature control stability in the -60°C +180°C range **of ± 0.3°C**

- Homogeneity according to IEC 60068-3-5 in the -60°C +180°C range **of ± 2°C**

May 2021_Caracteristics subject to change without notice.

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