

1000L Climatic Chamber for Fast Change Rate (ESS) Camera Option

ESS EXCAL²

This climatic chamber is adapted to the needs of manufacturers, designers and users of **aeronautical equipment**. It is designed **for testing sensors or subassemblies that measure physical quantities in aircraft fuel cabinets**.

This equipment is dedicated to carrying out thermal cycling tests whose main purpose is to assess and qualify the lifespan of aeronautical equipment in **accelerated ageing**.



With a useful volume of 1000 liters, this chamber covers a **temperature range of -70°C to +150°C**, with a **cooling rate of +70°C to -55°C of 15°C/min** average(s) with 100 kg a load of aluminum and 1500 WHATTS of dissipation, and vice versa.

This chamber benefits from **Spirale Vision** control software 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.

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www.climats-tec.com

▶ Technical features

Caractéristiques :

- ▶ Temperature range : of -70°C to +150°C
- ▶ Volume : 1000L

Dimensions (mm)	Width	Depth	Height
Useful	1000	1000	1000
Overall	1450	2300	2200

Specificities :

- ▶ A shelf type : weight of 100 kg distributed
- ▶ 2 portholes diameter 100 mm on each side of the chamber
- ▶ A notched cabinet porthole - standard position
- ▶ Two glove portholes under the window
- ▶ Specific air dryer for very low dew point up to -60°C
- ▶ Mobile Pt100 probe for regulation as close as possible to the products under test
- ▶ Relative humidity measurement probe
- ▶ 1920 x 1080 pixels full HD camera option
(Includes camera, blackout curtain and mounting kit)



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Performance:

- ▶ Cooling rate from +70°C to -55°C and vice versa with 100 kg load of aluminum and 1500 WHATTS dissipation

15°C/min average

