

Environnemental chamber double-door 2000 dm³

TEMPERATURE ENVIRONMENTAL TEST CHAMBER - EE TYPE- DOUBLE DOOR

We have designed and built an environmental test chamber for our customers working in the space industry, its goal is to perform aging tests under conditions of heat and humidity on **composite parts used in aeronautics**.

These tests are realized over **long periods**, up to several months, at a precise setpoint from 75°C to 85% RH.



With a useful volume of 2000 dm³, this aging chamber covers a temperature range from +20°C to +100°C and reaches an average variation speed of around 1°C/min between +20°C to +70°C, with load of 50 kg of composite materials. The double door provides excellent ergonomics for flat loading large parts.

This chamber benefits from the **Spirale Vision** control offering a high regulation quality. You would also appreciate the programming and archiving features this control system is known for. Spirale, already established 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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Technical features

Characteristics:

Temperature range: from + 20°C to + 100°C

Volume: 2000 dm³

Dimensions (mm)	Width	Depth	Height
Useful	2500	800	1000
Overall	2800	1950	2150



Options :

- ▶ 2 waterproof welded portholes, diameter 80 mm (halfway up and halfway down)
- ▶ 1 shelf for a distributed load of 50 kg
- ▶ Supports for easy adjustment of the shelf position
- ▶ Safety door opening



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▶ Performances :

- ▶ Average variation speed from 20 °C to + 75°C : 2°C / min (without load)
- ▶ Average variation speed with 50 kg of composite materials from + 20°C to + 70°C : 1°C/min
- ▶ Homogeneities on the pair +75°C / 85% RH:
 - In the order of +/- 1°C in temperature
 - In the order of +/- 2% humidity

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