

# LTC - Low Temperature Chamber (LN2) 31m<sup>3</sup> (1,100ft<sup>3</sup>)

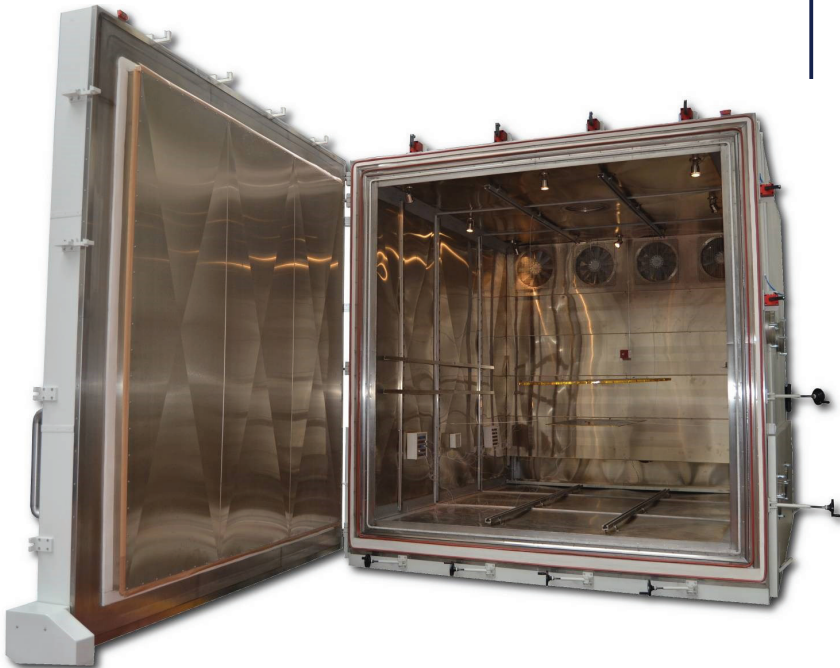
Climatic chamber 31m<sup>3</sup> (1,100ft<sup>3</sup>)  
Hot Cold  
-185°C / +200°C

## Industries

Electronics and space industry.

## Application

Thermal tests on TX and RX antennas



## Description

Unit composed of :

- The test chamber
- The machinery on the rear with its electrical cabinet
- Drying and re-oxygenation features
- Control and supervision by SPIRALE Vs software

## Technical Data

Performances are given for :

- An ambient temperature between +15°C and +35°C
- A load of 500 kg
- A dissipation of 500 W

## Temperature

Temperature range : -185°C to +200°C

Cooling rate : average 2°C/min, with the load, up to 10°C/mn with a load of 20kg

Heating rate : average 2°C/min, with the load, up to 10°C/mn with a load of 20kg

Temperature stability :  $\leq \pm 1,5^\circ\text{C}$

Temperature homogeneity :  $\pm 2,5^\circ\text{C}$  at 20 cm of the walls.

(Compliant with IEC 60068-3-5/2001, § 4.5.2)

## Test space dimensions :

WxDxH : 3000mm x 3500mm x 3000mm  
(118.1" x 137.8" x 118.1")



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