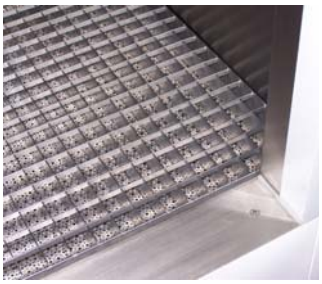
Laminar flow atmosphere environmental chamber

2700 dm^3 one-piece environmental chamber intended for tests in laminar flow atmosphere, within a temperature range from +20°C to +60°C, with air speed rates inside the volume between 0,3 and 0,5 m/s during plateau.

This chamber has been designed to simulate conditions of electrical cabinets and to watch apparatus behaviour.
A big frame, sticking out on the left, enables the integration of an electric process command box.

The ventilation system has been optimized a great deal in order to get slow air speeds in association with homogeneity below 1°C.
Air circulates only one way, from the bottom to the top, in order to recreate natural convection.

This chamber has been verified with 15 probes (in accordance with international standards) and also with a hot-wire anemometer.



The floor has been specially studied to stand the weight of two men while letting the air flows through.

Dimensions (mm)	W	D	H
Useful	1200	1600	1700
Overall	1600	3000*	2500

*with frame

SPECIAL

ZI du Bedat - BP 67 - 33650 St Médard d'Eyrans - France
www.climats-tec.com
tel. : +33 (0)5 56 20 25 25 - fax : +33 (0)5 56 78 43 97
sales@climats-tec.com

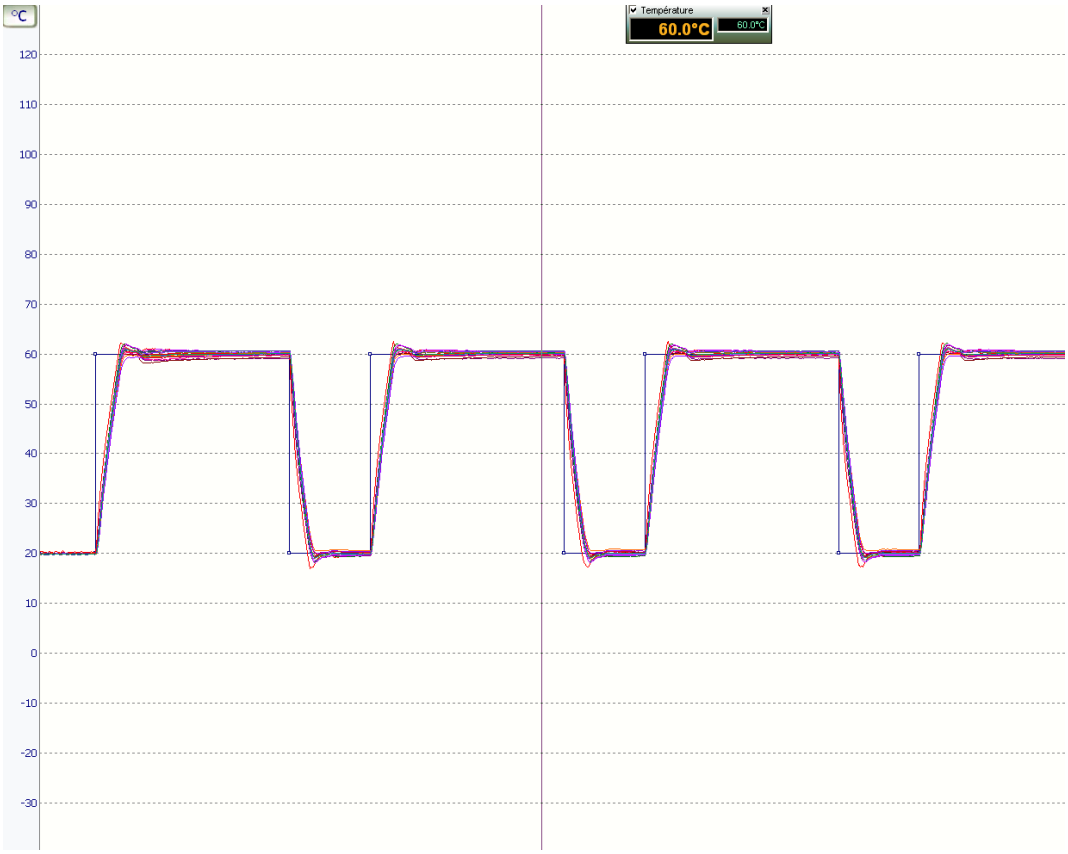
Technical features

Temperature range
from +60°C to +20°C

Speed variation
1,5°C/min

Homogeneity and Regulation

Temperature homogeneities
below ±1°C after stabilization
stability below ±0,3°C after stabilization
air speed rates between 0,3 and 0,5 m/s during plateau



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