

Thermal Shock CTy range



Temperature :
from -90°C to +200°C

Thermal shock chambers enable the temperature to vary very quickly on a product in order to reveal its possible defects or to determine its life length.

- Temperature range : from -90°C to +180°C (+200°C as an option)
- Intermediate cabinet : ambient temperature, can be regulated from -30°C to +100°C
- Temperature rate : up to 24°C/min from +125°C to -25°C
- Temperature constancy : $\pm 0,3^{\circ}\text{C}^*$

*depending on the use conditions

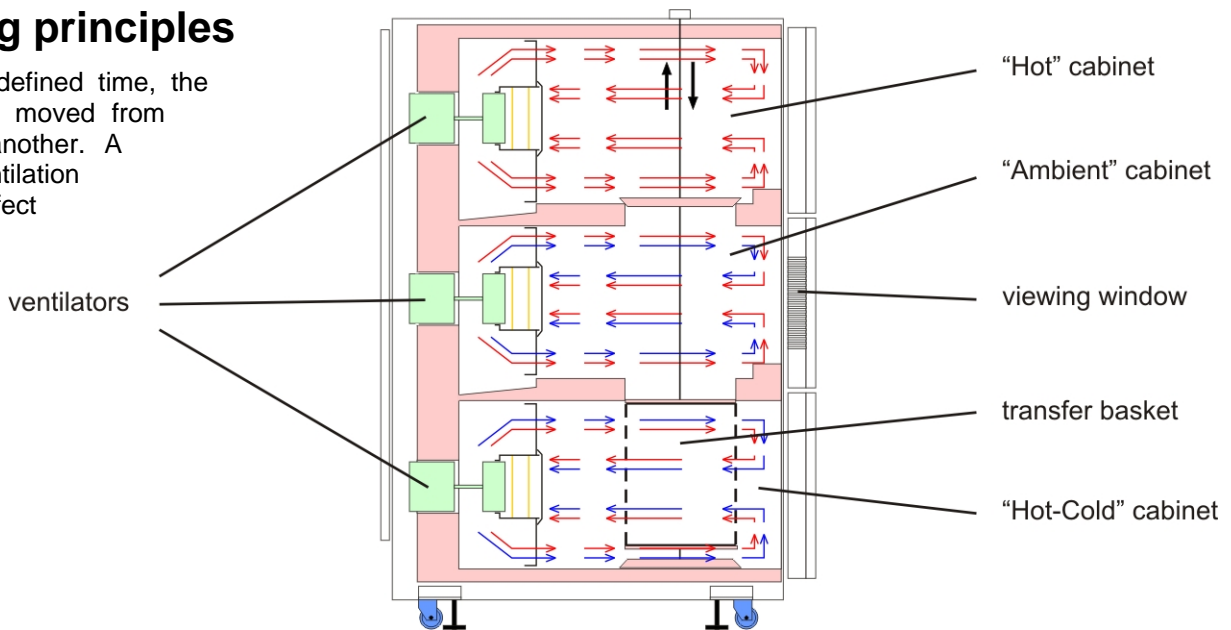
The CTy range allows combining thermal shock tests with rapid temperature cycling tests in the transfer basket.

Model	Dimensions (mm)			Transfer basket useful		
	H	W	D	H	W	D
55 CTy	2225	1548	1405	350	440	410
120 CTy	2400	1884	1635	400	600	550



Functioning principles

At the end of a defined time, the transfer basket is moved from one cabinet to another. A double air flow ventilation ensures a perfect homogeneity in each cabinet and allows a pre-heating / pre-cooling so that the set temperature is reached.



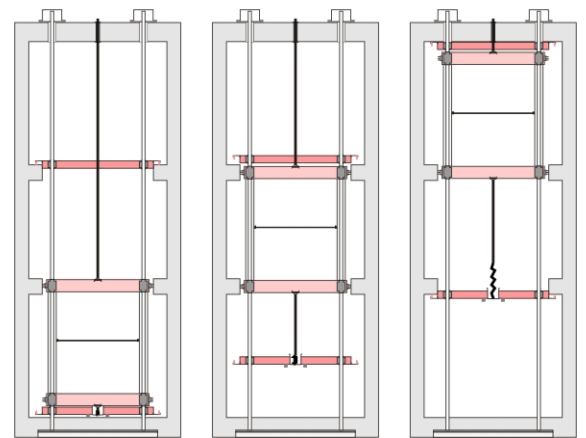
Construction

The CTy chamber consists of 3 cabinets, each at a different temperature, and of a transfer basket containing the test samples.

The oscillating type transfer basket is actuated by a linear cylinder which is connected to a notched chain and a transfer cable.

The different cabinet tightness is ensured by 2 moving buffers ; the upper one moves by gravity, the lower one is attached under the transfer basket with a cable and a drag spring.

The buffers and the transfer basket are guided thanks to 2 metal bars equipped with heating ropes.



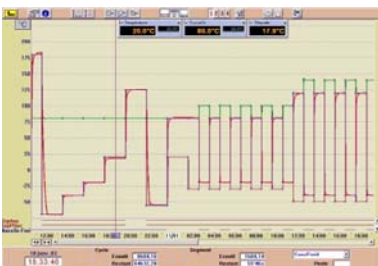
The user safety is optimized with a front emergency stop and a transfer blocking switch with key ; our safety features are unobtrusive, such as the door safeties which are covered.

The "Hot-Cold" cabinet can be defrosted while running a cycle (optional), which is particularly useful during long cooling cycles.

Piloting



The control panel allows the access to set points, parameters and other software functions

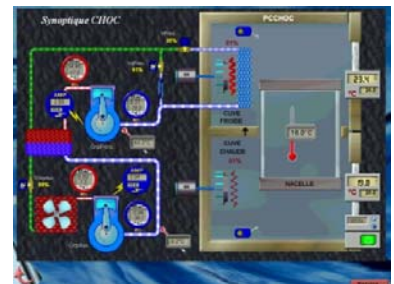


An exceptional graphic recorder

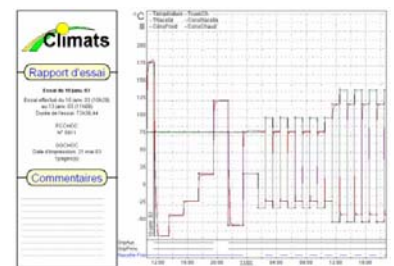
Our software ensures the different operations of the chamber piloting and the test and recording management.

Spirale 2

With exceptional ergonomics, it offers numerous and powerful functions, including the remote control through the network.



A dynamic synoptic enables you to control pressures, fluids flowing, ... on your screen



Personalized test reports

Climats