



## THERMAL SHOCK CHAMBER AIR TO LIQUID

MODEL, CRT2VT-25

### GENERAL:

The **AIR to LIQUID** thermal shock chamber subjects the test samples to greater stress. The chamber has a double compartment, in the upper zone the air is conditioned at a certain temperature and in the lower area there is a thermostated bath of controlled temperature, between + 2°C and + 5°C. The pieces will move through a basket between both compartments suffering the stress process, simulating splash conditions, dives, etc.

The sample will move between both compartments to verify that it does not suffer any fracture, crack or apparent damage.

The thermal shock chamber, **CRT2VT-25** has been designed for the production process (R&D), so that the most extreme conditions that the samples can supported are analyzed.

The samples will be tested in the hot zone and go down to the water bath, if the sample doesn't suffer any damage, then the temperature of the heating zone will be increased and repeat again the operation until the samples suffer a damage.



DYCOMETAL EQUIPOS DE C.C., S.L.

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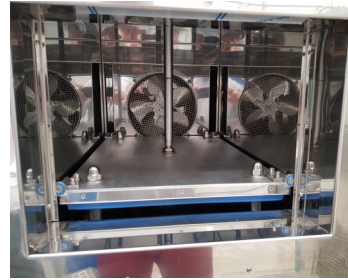
[www.dycometal.com](http://www.dycometal.com)



## TECHNICAL FEATURES:

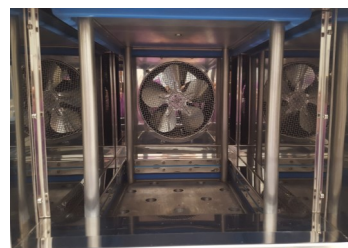
### Hot Chamber

- Temperature range: from room +10°C to +200°C
- Set-point: variable.
- Forced air heating zone.



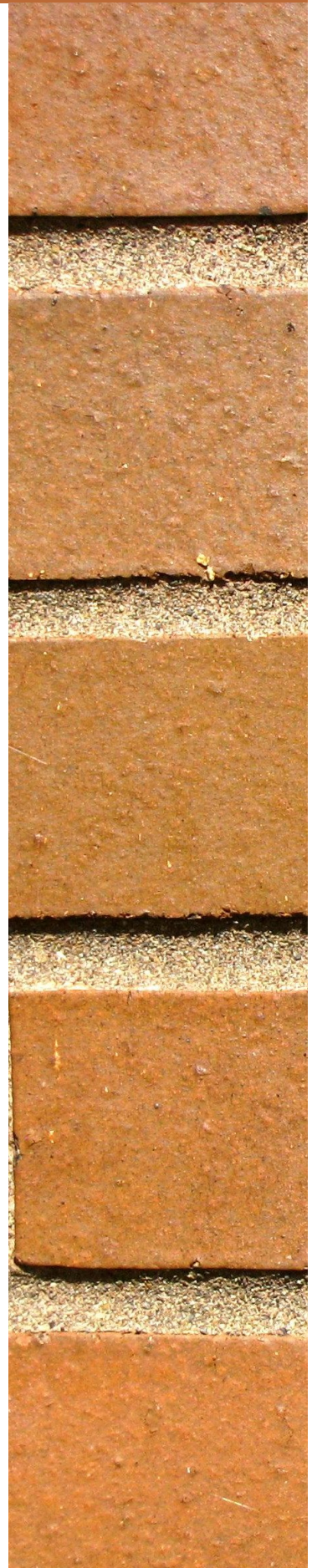
### Cold Chamber

- Temperature range: from room to +5°C
- Set-point: +5°C
- Air cooled system.



### General Specifications

- Volume: 25 liters
- Basket dimensions: 250 x 250 x 400 mm (H x W x D).
- External dimensions: 1550 x 800 x 900 mm (H x W x D).
- Transfer time between cold zone and hot zone:  $\leq 6$  seconds
- Transfer time between hot zone and cold zone:  $\leq 6$  seconds
- Interior finished: Stainless Steel.
- Exterior finished: Lacquered steel (RAL 9010)
- Control: microprocessor Eurotherm
- Communication port: RS-232
- Remote control and data acquisition software.
- Safety Elements
- Height-adjustable legs with casters.



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