

CHD

Freezing test chamber (freezing/thawing)

- Reliable and versatile.
- Forced ventilation with fans
- Top cover automatic vertical opening
- Fully automated by control software, data acquisition and recording



The building materials which are installed outdoors support intense weather actions during years (in winter, they support the humidity absorption during the day, freezes during the night, rain, sun ...). They cause them an important deterioration.

The manufacturers of the building materials can simulate, by means of the Freezing Test Chambers, the most rigorous climatic conditions as well as to solve, with total precision, the rigorous imposed requirements in the test of the materials, to optimize their products and make them more competitive.

Range of temperature from -25°C to 30°C .

This Equipment accomplishes the technical conditions and the necessary specifications of the making of tests cycles of the following materials: ceramic brick, Big Format Ceramic brick, Ceramic roof files, Roof tiles and accessories of cement or concrete, Ceramic floor tiles, Undulated or ribbed plates of fibrocement and their complementary pieces for covers, Granites, Marbles and limestone, Slates.

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

C/ De la Ciència, 35-37

08840 - Viladecans (Barcelona) - SPAIN

T: (34) 936 526 610 F: (34) 936 407 607

www.dycometal.com

Features:

Construction:

The Chambers are made up of two independent modules: Freezer Chamber and Thermostatic Bath.

- Steel tube structure and AISI 304 (18/8) Stainless Steel Sheet. It is polished, brushed, completely watertight and without soldering, acrylic painted, dried in the oven in light grey color, according to RAL-9010. Painted door, according to RAL-7011. Flexible seal made of silicone, which can support high and low temperature in indoor stripping for a perfect door adjust. The opening system is provided of gas-dampers and compensated hinges (they allow an easy extraction of the door in case of maintenance). The protecting grid of the ventilators is made of Stainless Steel.

- PLC fault management with a message display system.

- Button / pilot to reset the alarm for unlocking the equipment.

Standards:

- UNE EN ISO 10545 "Ceramic tiles"
- UNE 67048 "Ceramic Blocks"
- UNE 22174 "Ornamental granites"
- UNE 22184 "Marbles and Limestones"
- UNE 67028 "Bricks"
- UNE 7070 "Ceramic Tiles"
- UNE 67034 "Concrete tiles"

Optional Accessories:

- Pneumatic opening of the Large Door.
- Insertion mobile probe in Samples.
- RS-232 output.
- Defrost System.
- Digital video recorder.
- PVC manufactured port.
- Software of Control and Programming in Windows® environment.



- UNE EN 491 "Concrete tiles"
- UNE EN 539-2, Method C "Tiles of Baked Clay"
- UNE EN 494 "Undulated or ribbed plates of fibrocement and their complementary pieces for covers."
- UNE 7070 "Paving Stone"

Technical Specifications:

Model	Liters	Temperature Range	Bath external dimensions (mm)			Cabinet internal dimensions (mm)			Cabinet external dimensions (mm)		
			High	Width	Depth	High	Width	Depth	High	Width	Depth
CHD-525	525	-25/ +30°C	1980	1260	1150	750	1000	700	1250	2800	925
CHD-720	720	-25/ +30°C	1980	1360	1150	800	1200	750	1350	3000	1000
CHD-896	896	-25/ +30°C	2100	1450	1320	800	1400	800	1350	3160	1250
CHD-1400	1400	-25/ +30°C	2200	1554	1694	700	2500	800	1270	4825	1250

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