

Rain spraying chamber

CUSTOMIZED / TEST OF RAIN AND STORM SIMULATION



This chamber is made of a cabinet that includes 3 distinct devices, enabling watertightness tests according to procedures described in standards of the main automobile manufacturers.

The 3 functioning modes are defined according to the wanted sprinkling type : Nozzle mode, Ramp mode and Half Ring mode.

To each mode correspond a type of test and a specific assembly of the samples to test.



The water used for the sprinkling is recycled thanks to a retention tank. Fillings and drainings are automatic.

Each different type of test is entirely piloted by the software **Spirale 3** from the command unit with tactile screen.

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Technical features :

Dimensions (mm)	Width	Depth	Height
Useful Sample	200	200	200
Inside	1000	1000	1000

Nozzle

- 35° solid cone
- Samples vertical holder with adjustable distance (450 to 600 mm)

Ramp

- Swinging ramp from -45 to +45° (in 4 s) equipped with 29 holes of 0,5 mm
- Samples plate holder (200 x 200 mm) with programmable slope from 0 to 90°

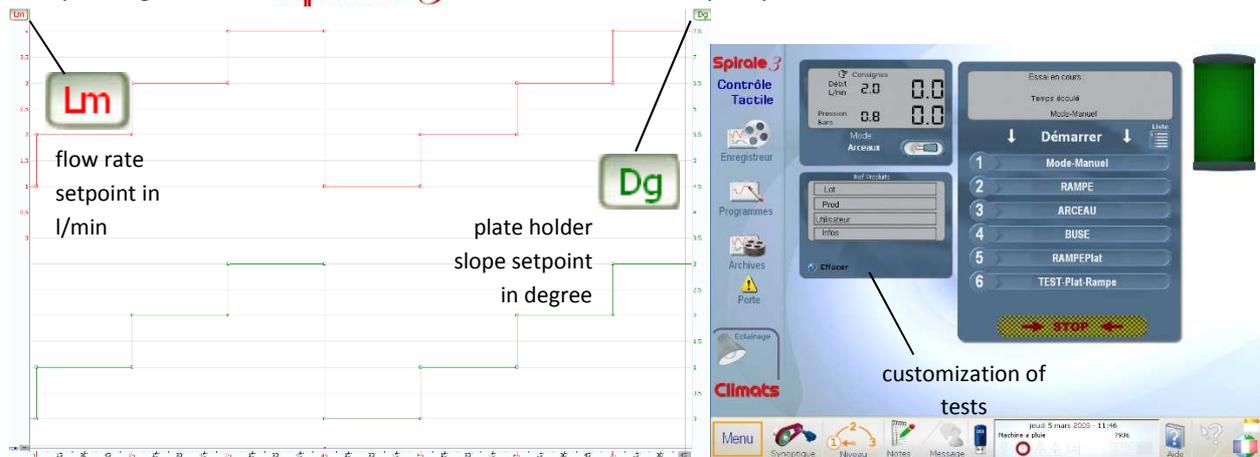
Half Ring

- Double half ring of 800 mm diameter forming a 140° angle and equipped with 50 swivelling nozzles with straight spray
- Samples plate holder (200 x 200 mm) with programmable slope from 0 to 90°

Performances (according to functioning mode)

- Flow rate from 0 to 5 l/min
- Pressure from 0 to 10 bar

Our piloting software **Spirale 3** controls continuously all your tests



Equipments:

- Inside cabinet automatic lightning with adjustable delayed cut-off
- Cabinet overflow safety by level sensor
- Waterproof PC casing and electrical casing
- Removable engine safety hoods for maintenance access
- Easy maintenance supported by Spirale capabilities
- "All stainless steel" mechanical devices allowing dismantling and adjusting
- Automatism (Engines, Ramp and Plate) ensured by programmable variators enabling accuracy, reliability and potential evolutions
- Variator programming software embedded in the chamber computer

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