

TVC - Space Simulator 200L (7ft³)

Vacuum chamber 200L (7ft³)
10-5 mbar
-40°C / +125°C

Industries

Space and electronics

Application

Simulation of space conditions



Description of the equipment

Unit composed of :

- A cylindrical chamber, with thermal plate
- A frame in which the machinery and pumps are installed
- A control panel at the rear side of the frame, supervision and control using SPIRALE Vs and command by touch screen

Technical Data

Performances are given for :

- An ambient temperature between +15°C and +30°C
- Heat dissipation 100W

Temperature

Range : -40°C to +125°C

Cooling rate : Average 1°C/mn, without specimen

Heating rate : Average 1°C/mn, without specimen

Temperature stability $\pm 0,5^\circ\text{C}$

Regulating control accuracy $\pm 1^\circ\text{C}$

According to standard IEC 60068-3-5

Vacuum

Range : from AP to 10-5 mbar

Time to reach 10-5 mbar : < 2 hours, in an empty chamber, without the specimen, at ambient temperature

Dimensions :

	Test space Volume (Thermal plate)	Overall Dimensions
Width	Ø 600mm (23.6" dia)	1200mm (47.2")
Depth	600mm (23.6")	2200mm (86.6")
Height	600mm (23.6")	2100mm (82.7")



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